

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 9/17/2019  
 Soil Series:  
 Test Depth: 27 inches

Test Designation: DR-1  
 Test Location: TP-1  
 Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 76.26

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 9/17/2019

Test Designation: DR-1  
 Test Location: TP-1

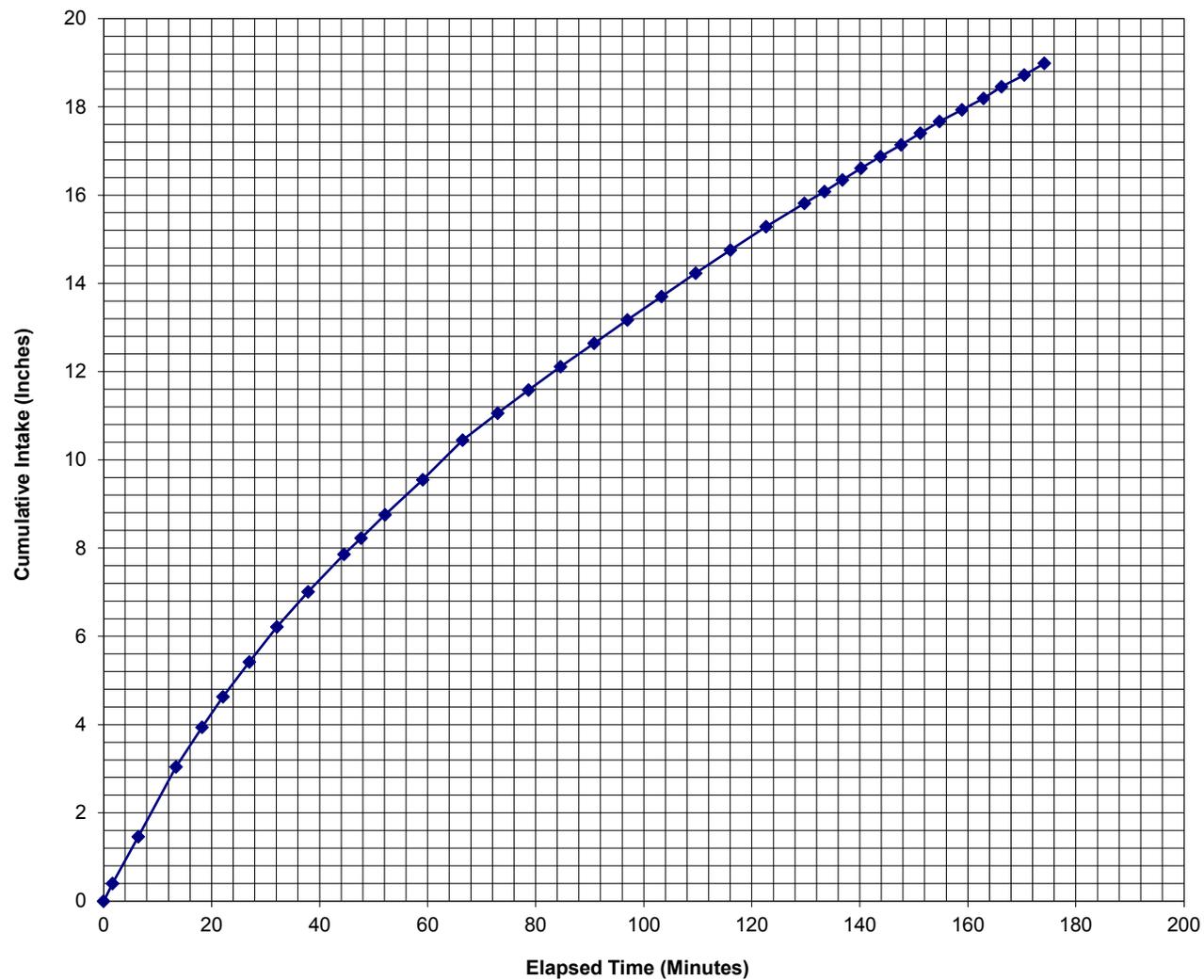
Test K V = 0.947791  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
			0			0			0	0					174.17	5.52
															m-1	-0.22185
															m	0.778151
															b	0.371424
															bm	0.28902
1	0.00	1.65	1.65	3250	2500	454.55	11.23	74	1.65	0.3966782	0.217484	-0.40156	0.98204	11.64		15.52
2	1.65	6.41	4.76	2500	500	420.17	10.38	74	6.41	1.4544868	0.806858	0.16271	0.98204	10.76		11.48
3	7.42	14.40	6.98	3500	500	429.80	10.62	74	13.39	3.0411996	1.126781	0.483045	0.98204	11.01		9.75
4	16.25	21.07	4.82	3500	1800	352.70	8.72	73	18.21	3.9403369	1.26031	0.595533	0.997606	9.17		9.11
5	21.07	24.95	3.88	1800	500	335.05	8.28	73	22.09	4.6279125	1.344196	0.665385	0.997606	8.72		8.73
6	27.42	32.31	4.89	3500	2000	306.75	7.58	73	26.98	5.4212689	1.431042	0.734101	0.997606	7.98		8.35
7	32.31	37.44	5.13	2000	500	292.40	7.23	73	32.11	6.2146253	1.50664	0.793415	0.997606	7.61		8.03
8	39.50	45.26	5.76	3700	2200	260.42	6.44	73	37.87	7.0079817	1.578295	0.845593	0.997606	6.77		7.74
9	45.26	51.91	6.65	2200	600	240.60	5.95	74	44.52	7.8542286	1.648555	0.895104	0.98204	6.16		7.47
10	54.53	57.66	3.13	3600	2900	223.64	5.53	74	47.65	8.2244616	1.678063	0.915107	0.98204	5.73		7.36
11	57.66	62.12	4.46	2900	1900	224.22	5.54	74	52.11	8.7533659	1.716921	0.942175	0.98204	5.74		7.21
12	62.12	69.12	7	1900	400	214.29	5.30	74	59.11	9.5467223	1.771661	0.979854	0.98204	5.49		7.02
13	90.40	97.75	7.35	3450	1750	231.29	5.72	74	66.46	10.44586	1.82256	1.018944	0.98204	5.92		6.84
14	97.75	104.27	6.52	1750	600	176.38	4.36	74	72.98	11.054099	1.863204	1.043523	0.98204	4.52		6.69
15	107.27	112.98	5.71	3700	2700	175.13	4.33	77	78.69	11.583004	1.89592	1.063821	0.936783	4.28		6.58
16	112.98	118.92	5.94	2700	1700	168.35	4.16	77	84.63	12.111908	1.927524	1.083213	0.936783	4.11		6.48
17	118.92	125.09	6.17	1700	700	162.07	4.01	77	90.8	12.640812	1.958086	1.101775	0.936783	3.96		6.38
18	127.40	133.58	6.18	3700	2700	161.81	4.00	77	96.98	13.169717	1.986682	1.119576	0.936783	3.95		6.29
19	133.58	139.87	6.29	2700	1700	158.98	3.93	77	103.27	13.698621	2.013974	1.136677	0.936783	3.88		6.20
20	139.87	146.23	6.36	1700	700	157.23	3.89	77	109.63	14.227525	2.039929	1.153129	0.936783	3.84		6.12
21	149.02	155.43	6.41	3700	2700	156.01	3.86	78	116.04	14.756429	2.064608	1.168981	0.922166	3.75		6.04
22	155.43	162.01	6.58	2700	1700	151.98	3.76	78	122.62	15.285334	2.088561	1.184275	0.922166	3.65		5.97
23	162.01	169.12	7.11	1700	700	140.65	3.48	78	129.73	15.814238	2.11304	1.199048	0.922166	3.38		5.89
24	172.09	175.84	3.75	3700	3200	133.33	3.30	78	133.48	16.07869	2.125416	1.206251	0.922166	3.21		5.86
25	175.84	179.14	3.3	3200	2700	151.52	3.74	78	136.78	16.343142	2.136023	1.213336	0.922166	3.64		5.82
26	179.14	182.58	3.44	2700	2200	145.35	3.59	78	140.22	16.607594	2.14681	1.220307	0.922166	3.50		5.79
27	182.58	186.16	3.58	2200	1700	139.66	3.45	78	143.8	16.872047	2.157759	1.227168	0.922166	3.36		5.76
28	186.16	190.00	3.84	1700	1200	130.21	3.22	78	147.64	17.136499	2.169204	1.233922	0.922166	3.13		5.73
29	190.00	193.54	3.54	1200	700	141.24	3.49	78	151.18	17.400951	2.179494	1.240573	0.922166	3.40		5.70
30	196.00	199.57	3.57	3700	3200	140.06	3.46	79	154.75	17.665403	2.189631	1.247124	0.907777	3.32		5.67
31	199.57	203.70	4.13	3200	2700	121.07	2.99	79	158.88	17.929855	2.201069	1.253577	0.907777	2.87		5.63
32	203.70	207.70	4	2700	2200	125.00	3.09	79	162.88	18.194307	2.211868	1.259936	0.907777	2.96		5.60
33	207.70	211.02	3.32	2200	1700	150.60	3.72	79	166.2	18.458759	2.220631	1.266203	0.907777	3.56		5.58
34	211.02	215.26	4.24	1700	1200	117.92	2.91	79	170.44	18.723212	2.231572	1.27238	0.907777	2.79		5.55

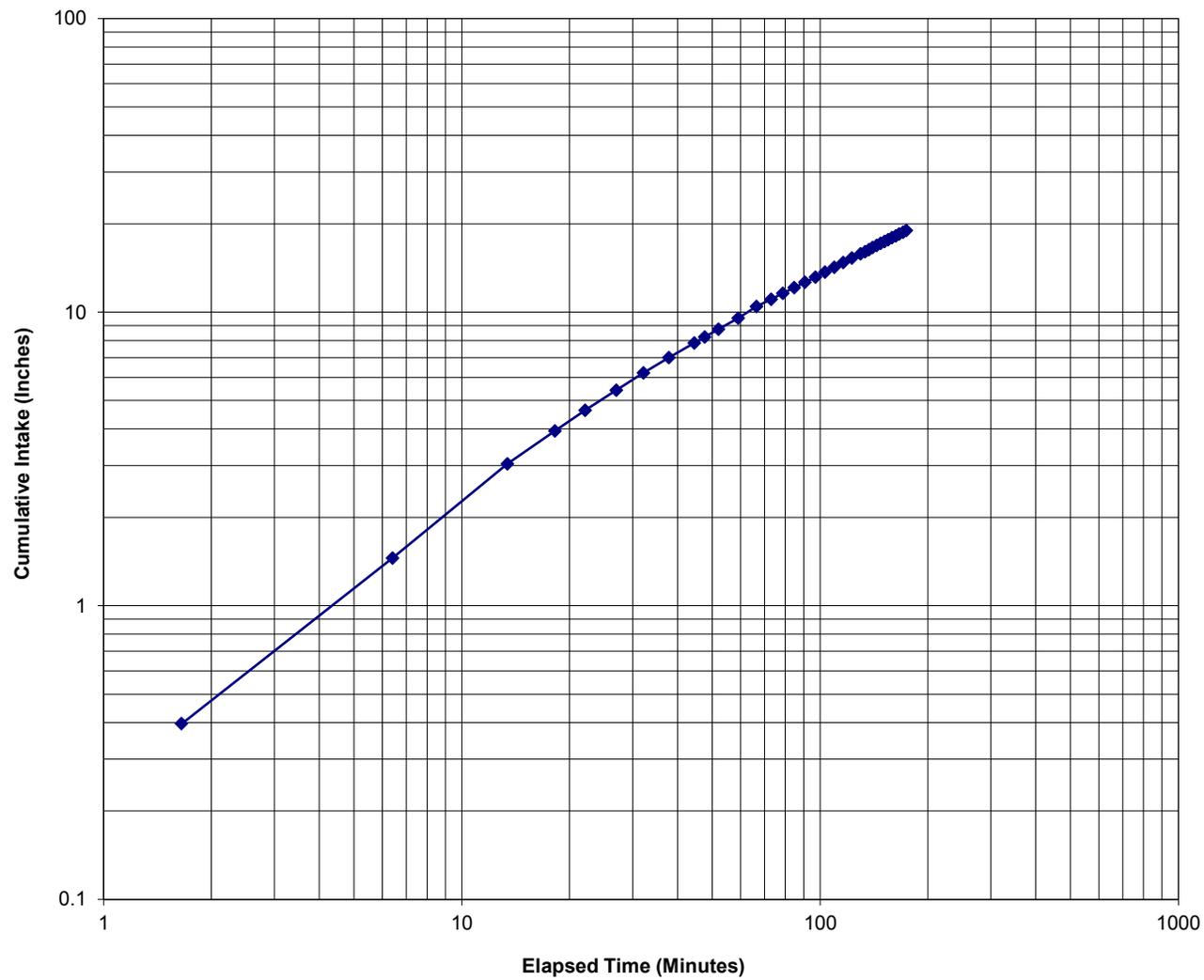
35	215.26	218.99	3.73	1200	700	134.05	3.31	79	174.17	18.987664	2.240973	1.278472	0.907777	3.17
----	--------	--------	------	------	-----	--------	------	----	--------	-----------	----------	----------	----------	------

5.52
------

**Mountaire Farms of Delaware  
Infiltrometer Test DR-1**



**Mountaire Farms of Delaware  
Infiltrometer Test DR-1**



**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-1  
 Test Location: TP-1  
 W.O.: 4940d Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Date: 9/17/2019 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series:  
 Test Depth: 27 inches Water Temp. (F): 77.75

**Double Ring Infiltrometer  
Outer Test Results**

Project: Mountaire Farms Test Designation: DR-1  
 W.O.: 4940d Test Location: TP-1  
 Date: 9/17/2019  
 Test K V = 0.925799  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	m-1	m	b	bm	Rate	R^2
			0			0			0	0					219	-0.74301	0.256989	5.732092	1.47309	1.61	0.849626
1	0.00	57.66	57.66	50	25	0.43	13.04	74	57.66	16.467381	1.760875	1.216625	0.98204	13.83							4.35
2	57.66	180.10	122.44	25	20	0.04	1.23	78	180.1	19.760858	2.255514	1.295806	0.922166	1.22							1.86
3	180.10	207.00	26.9	20	15	0.19	5.59	79	207	23.054334	2.31597	1.362753	0.907777	5.48							1.68
4	207.00	219.00	12	15	13	0.17	5.01	80	219	24.371724	2.340444	1.386886	0.893612	4.84							1.61

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 9/17/2019  
 Soil Series:  
 Test Depth: 31 inches

Test Designation: DR-2  
 Test Location: TP-2  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 75.93

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 9/17/2019

Test Designation: DR-2  
 Test Location: TP-2

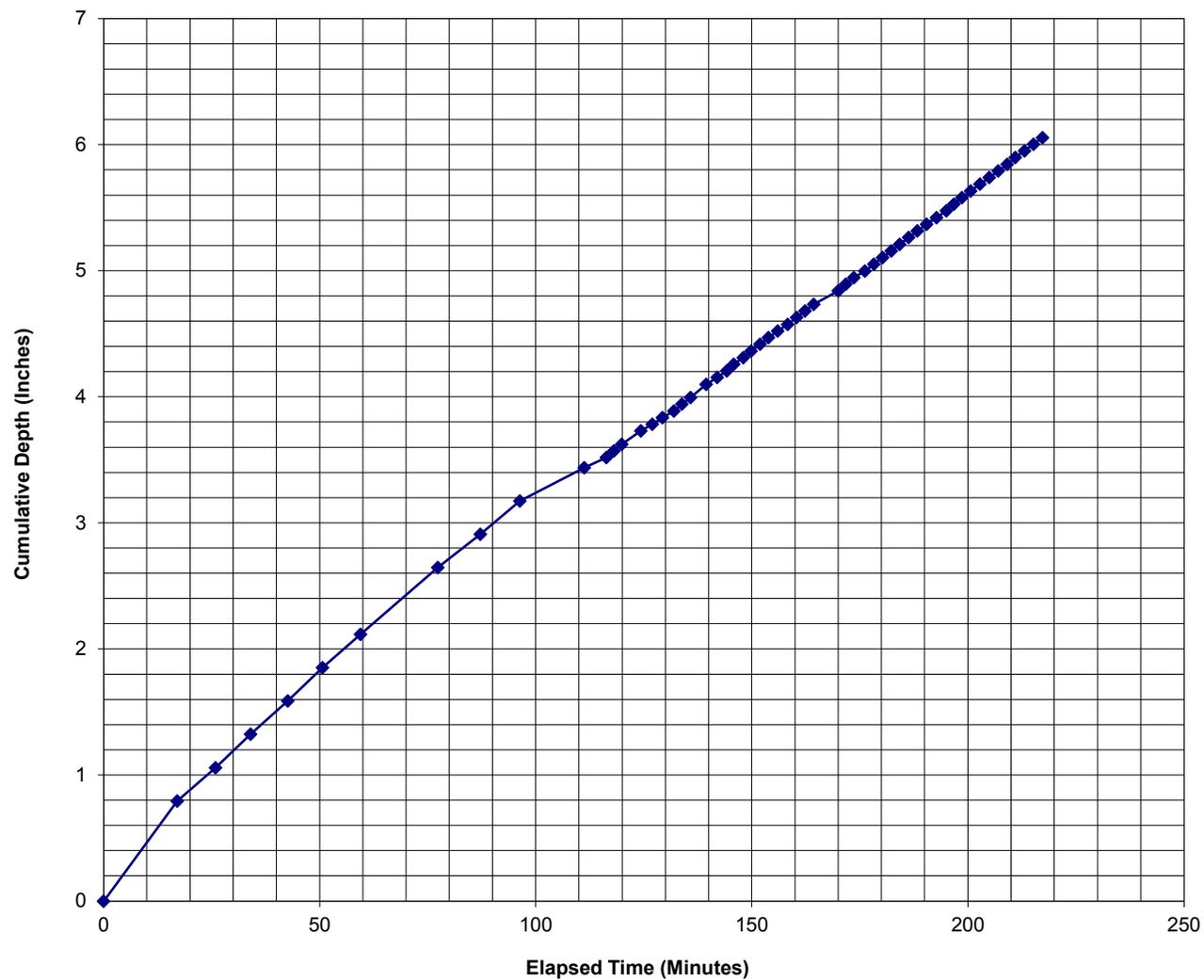
Test K V = 0.952702  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
			0			0			0	0					217.27	1.32
															m-1	-0.19544
															m	0.804558
															b	0.078172
															bm	0.06289
1	0.00	17.01	17.01	3500	2000	88.18	2.19	73	17.01	0.7933564	1.230704	-0.10053	0.997606	2.29		2.17
2	17.01	25.92	8.91	2000	1500	56.12	1.39	73	25.92	1.0578086	1.413635	0.024407	0.997606	1.46		2.00
3	25.92	34.04	8.12	1500	1000	61.58	1.53	73	34.04	1.3222607	1.53199	0.121317	0.997606	1.60		1.89
4	34.04	42.60	8.56	1000	500	58.41	1.45	73	42.6	1.5867128	1.62941	0.200498	0.997606	1.52		1.81
5	45.01	53.03	8.02	3500	3000	62.34	1.55	73	50.62	1.851165	1.704322	0.267445	0.997606	1.62		1.75
6	53.03	61.87	8.84	3000	2500	56.56	1.41	73	59.46	2.1156171	1.774225	0.325437	0.997606	1.47		1.70
7	61.87	79.75	17.88	2500	1500	55.93	1.39	73	77.34	2.6445214	1.888404	0.422347	0.997606	1.45		1.61
8	79.75	89.58	9.83	1500	1000	50.86	1.26	73	87.17	2.9089735	1.940367	0.46374	0.997606	1.32		1.58
9	89.58	98.72	9.14	1000	500	54.70	1.36	73	96.31	3.1734257	1.983671	0.501528	0.997606	1.42		1.55
10	99.71	114.60	14.89	3500	3000	33.58	0.83	75	111.2	3.4378778	2.046105	0.53629	0.966716	0.85		1.50
11	114.60	119.75	5.15	3000	2850	29.13	0.72	75	116.35	3.5172135	2.065766	0.546199	0.966716	0.73		1.49
12	119.75	121.50	1.75	2850	2750	57.14	1.42	75	118.1	3.5701039	2.07225	0.552681	0.966716	1.44		1.49
13	121.50	123.26	1.76	2750	2650	56.82	1.41	75	119.86	3.6229943	2.078674	0.559068	0.966716	1.43		1.48
14	123.26	127.70	4.44	2650	2450	45.05	1.12	75	124.3	3.7287752	2.094471	0.571566	0.966716	1.14		1.47
15	127.70	130.39	2.69	2450	2350	37.17	0.92	75	126.99	3.7816656	2.10377	0.577683	0.966716	0.94		1.46
16	130.39	132.70	2.31	2350	2250	43.29	1.08	75	129.3	3.834556	2.111599	0.583715	0.966716	1.09		1.46
17	132.70	135.36	2.66	2250	2150	37.59	0.93	75	131.96	3.8874465	2.120442	0.589664	0.966716	0.95		1.45
18	135.36	137.20	1.84	2150	2050	54.35	1.35	75	133.8	3.9403369	2.126456	0.595533	0.966716	1.37		1.45
19	137.20	139.26	2.06	2050	1950	48.54	1.21	75	135.86	3.9932273	2.133092	0.601324	0.966716	1.22		1.44
20	139.26	142.87	3.61	1950	1750	55.40	1.38	75	139.47	4.0990082	2.144481	0.612679	0.966716	1.40		1.44
21	142.87	145.39	2.52	1750	1650	39.68	0.99	75	141.99	4.1518986	2.152258	0.618247	0.966716	1.00		1.43
22	145.39	147.63	2.24	1650	1550	44.64	1.11	77	144.23	4.204789	2.159056	0.623744	0.936783	1.09		1.43
23	147.63	149.25	1.62	1550	1450	61.73	1.53	77	145.85	4.2576795	2.163906	0.629173	0.936783	1.51		1.43
24	149.25	151.41	2.16	1450	1350	46.30	1.15	77	148.01	4.3105699	2.170291	0.634535	0.936783	1.13		1.42
25	151.41	153.25	1.84	1350	1250	54.35	1.35	77	149.85	4.3634603	2.175657	0.639831	0.936783	1.33		1.42
26	153.25	155.32	2.07	1250	1150	48.31	1.20	77	151.92	4.4163507	2.181615	0.645064	0.936783	1.18		1.41
27	155.32	157.25	1.93	1150	1050	51.81	1.29	77	153.85	4.4692412	2.187098	0.650234	0.936783	1.27		1.41
28	157.25	159.42	2.17	1050	950	46.08	1.14	77	156.02	4.5221316	2.19318	0.655343	0.936783	1.13		1.41
29	159.42	161.70	2.28	950	850	43.86	1.09	77	158.3	4.575022	2.199481	0.660393	0.936783	1.07		1.40
30	161.70	163.75	2.05	850	750	48.78	1.21	77	160.35	4.6279125	2.205069	0.665385	0.936783	1.19		1.40
31	163.75	165.70	1.95	750	650	51.28	1.27	77	162.3	4.6808029	2.210319	0.67032	0.936783	1.25		1.40
32	165.70	167.72	2.02	650	550	49.50	1.23	77	164.32	4.7336933	2.21569	0.6752	0.936783	1.21		1.39
33	170.72	176.40	5.68	3500	3300	35.21	0.87	77	170	4.8394742	2.230449	0.684798	0.936783	0.86		1.38
34	176.40	178.15	1.75	3300	3200	57.14	1.42	77	171.75	4.8923646	2.234897	0.689519	0.936783	1.40		1.38

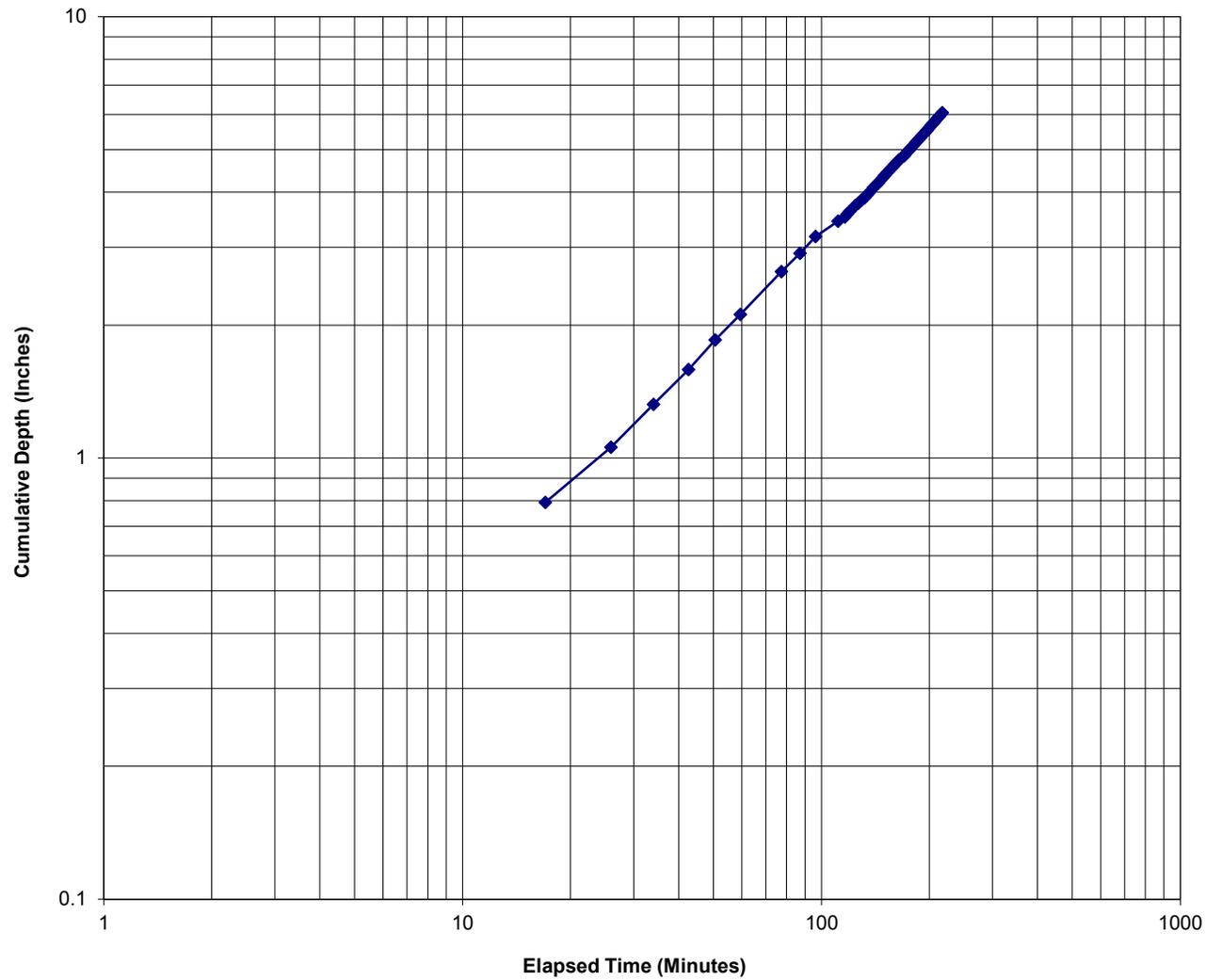
35	178.15	180.01	1.86	3200	3100	53.76	1.34	77	173.61	4.945255	2.239575	0.694189	0.936783	1.31
36	180.01	182.55	2.54	3100	3000	39.37	0.98	77	176.15	4.9981455	2.245883	0.698809	0.936783	0.96
37	182.55	184.65	2.1	3000	2900	47.62	1.18	77	178.25	5.0510359	2.25103	0.70338	0.936783	1.16
38	184.65	186.69	2.04	2900	2800	49.02	1.22	77	180.29	5.1039263	2.255972	0.707904	0.936783	1.20
39	186.69	188.68	1.99	2800	2700	50.25	1.25	77	182.28	5.1568167	2.260739	0.712382	0.936783	1.23
40	188.68	190.60	1.92	2700	2600	52.08	1.29	77	184.2	5.2097072	2.26529	0.716813	0.936783	1.27
41	190.60	192.66	2.06	2600	2500	48.54	1.21	77	186.26	5.2625976	2.27012	0.7212	0.936783	1.19
42	192.66	194.72	2.06	2500	2400	48.54	1.21	77	188.32	5.315488	2.274896	0.725543	0.936783	1.19
43	194.72	196.84	2.12	2400	2300	47.17	1.17	77	190.44	5.3683785	2.279758	0.729843	0.936783	1.15
44	196.84	199.17	2.33	2300	2200	42.92	1.07	77	192.77	5.4212689	2.285039	0.734101	0.936783	1.05
45	199.17	201.45	2.28	2200	2100	43.86	1.09	77	195.05	5.4741593	2.290146	0.738317	0.936783	1.07
46	201.45	203.19	1.74	2100	2000	57.47	1.43	77	196.79	5.5270497	2.294003	0.742493	0.936783	1.40
47	203.19	205.06	1.87	2000	1900	53.48	1.33	77	198.66	5.5799402	2.29811	0.74663	0.936783	1.31
48	205.06	207.03	1.97	1900	1800	50.76	1.26	77	200.63	5.6328306	2.302396	0.750727	0.936783	1.24
49	207.03	209.20	2.17	1800	1700	46.08	1.14	77	202.8	5.685721	2.307068	0.754786	0.936783	1.13
50	209.20	211.35	2.15	1700	1600	46.51	1.16	77	204.95	5.7386114	2.311648	0.758807	0.936783	1.14
51	211.35	213.44	2.09	1600	1500	47.85	1.19	77	207.04	5.7915019	2.316054	0.762791	0.936783	1.17
52	213.44	215.50	2.06	1500	1400	48.54	1.21	77	209.1	5.8443923	2.320354	0.766739	0.936783	1.19
53	215.50	217.40	1.9	1400	1300	52.63	1.31	77	211	5.8972827	2.324282	0.770652	0.936783	1.29
54	217.40	219.55	2.15	1300	1200	46.51	1.16	77	213.15	5.9501732	2.328685	0.77453	0.936783	1.14
55	219.55	221.61	2.06	1200	1100	48.54	1.21	77	215.21	6.0030636	2.332862	0.778373	0.936783	1.19
56	221.61	223.67	2.06	1100	1000	48.54	1.21	77	217.27	6.055954	2.337	0.782183	0.936783	1.19

1.38
1.37
1.37
1.37
1.36
1.36
1.36
1.36
1.35
1.35
1.35
1.34
1.34
1.34
1.34
1.33
1.33
1.33
1.33
1.32
1.32
1.32

**Mountaire Farms of Delaware  
Infiltrometer Test DR-2**



**Mountaire Farms of Delaware  
Infiltrometer Test DR-2**



**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-2  
 W.O.: 4940d Test Location: TP-2  
 Date: 9/17/2019 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series: Water Temp. (F): 76.00  
 Test Depth: 31 inches

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-2  
 W.O.: 4940d Test Location: TP-2  
 Date: 9/17/2019  
 Test K V = 0.951632  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate	R^2
			0			0			0	0					223.67	3.04	
															m-1 -0.13895		1
															m 0.861051		
															b 0.124906		
															bm 0.10755		
1	0.00	100.00	100	50	40	0.10	3.09	75	100	6.5869526	2	0.818685	0.966716	3.14			3.40
2	100.00	223.67	123.67	40	30	0.08	2.50	77	223.67	13.173905	2.349608	1.119715	0.936783	2.46			3.04

Double Ring Infiltrometer  
Test Results

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 9/18/2019  
 Soil Series:  
 Test Depth: 64 inches

Test Designation: DR-3  
 Test Location: TP-3  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 63.31

Double Ring Infiltrometer  
Test Results

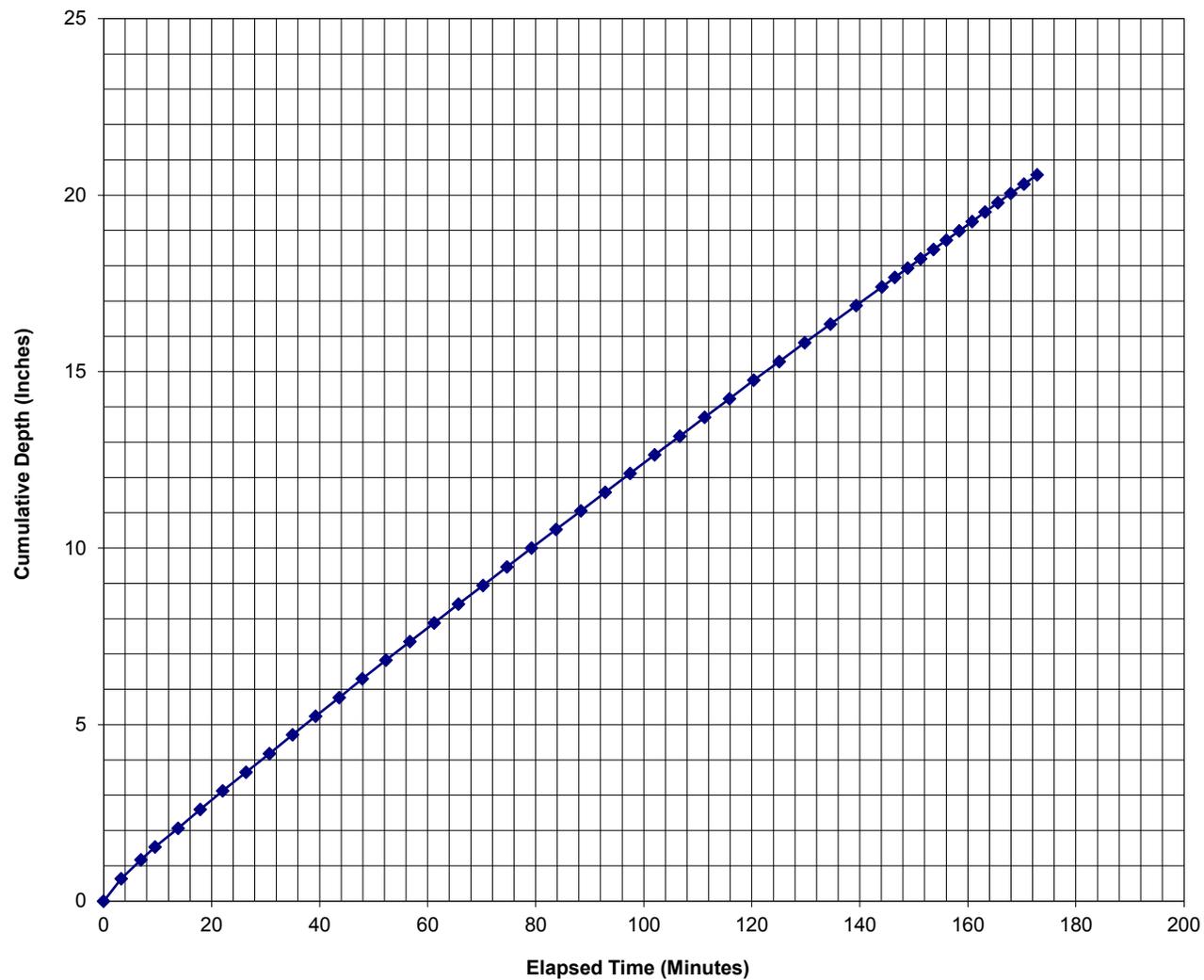
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 9/18/2019

Test Designation: DR-3  
 Test Location: TP-3

Test K V = 1.161807  
 K V @ 60 = 1.217

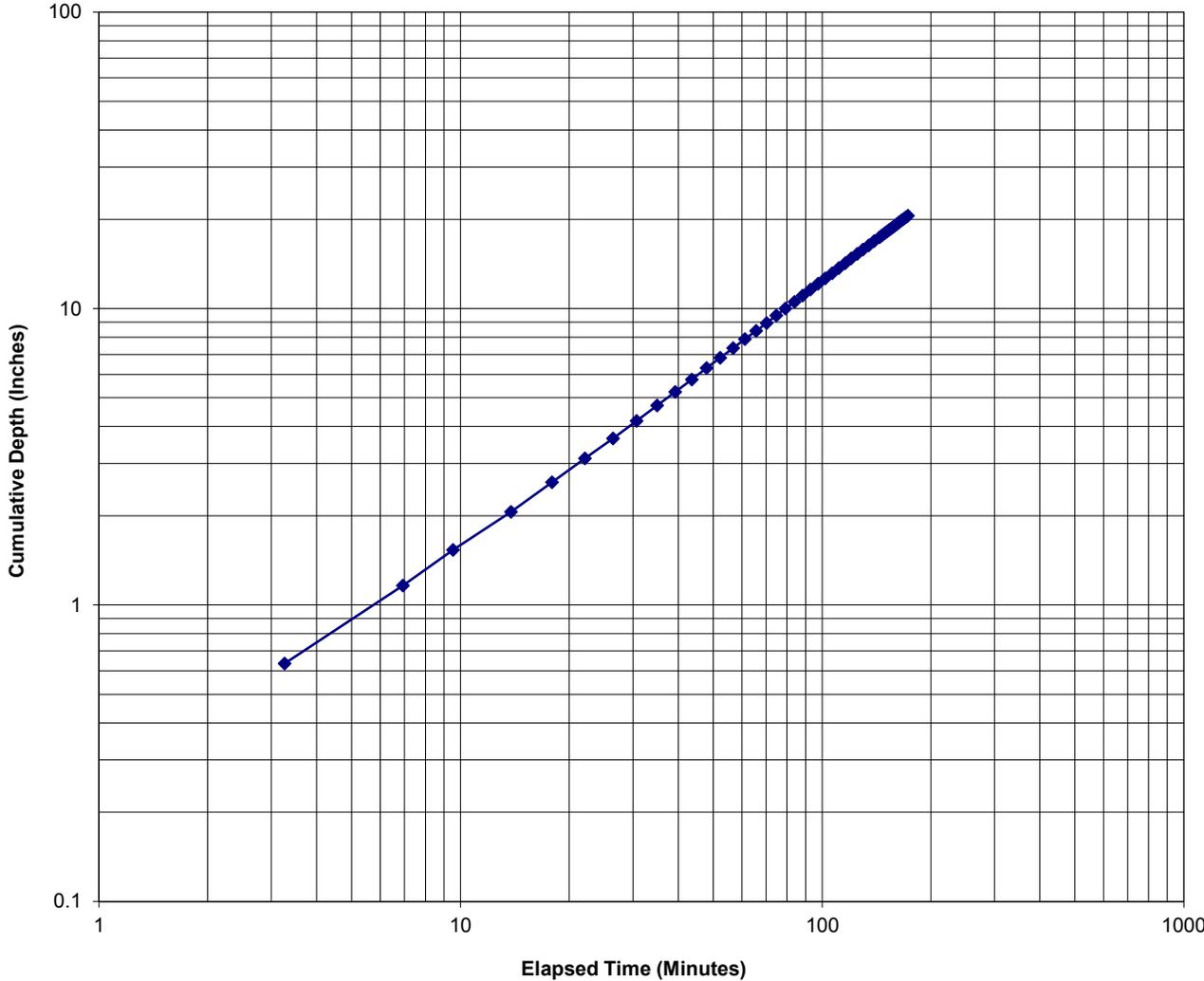
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Test (F)	t (min)	Rate
			0			0			0	0					172.832	6.31
															m-1	-0.10387
															m	0.896129
															b	0.20035
															bm	0.17954
1	0.00	3.26	3.26	3200	2000	368.10	11.15	59	3.26	0.6346851	0.513218	-0.19744	1.243309	11.93		9.53
2	3.26	6.93	3.67	2000	1000	272.48	8.25	59	6.93	1.1635894	0.840733	0.0658	1.243309	8.83		8.81
3	6.93	9.53	2.6	1000	300	269.23	8.16	59	9.53	1.5338224	0.979093	0.185775	1.243309	8.73		8.52
4	11.02	15.29	4.272	3700	2700	234.08	7.09	59	13.802	2.0627267	1.139942	0.314442	1.243309	7.59		8.20
5	15.29	19.39	4.1	2700	1700	243.90	7.39	59	17.902	2.591631	1.252902	0.413573	1.243309	7.91		7.98
6	19.39	23.56	4.17	1700	700	239.81	7.27	59	22.072	3.1205353	1.343842	0.494229	1.243309	7.77		7.81
7	23.56	29.88	4.33	3500	2500	230.95	7.00	59	26.402	3.6494395	1.421637	0.562226	1.243309	7.49		7.67
8	29.88	34.16	4.28	2500	1500	233.64	7.08	59	30.682	4.1783438	1.486884	0.621004	1.243309	7.57		7.55
9	34.16	38.47	4.31	1500	500	232.02	7.03	59	34.992	4.7072481	1.543969	0.672767	1.243309	7.52		7.45
10	39.82	44.07	4.25	3600	2600	235.29	7.13	59	39.242	5.2361524	1.593751	0.719012	1.243309	7.63		7.36
11	44.07	48.45	4.38	2600	1600	228.31	6.92	59	43.622	5.7650567	1.639706	0.760804	1.243309	7.40		7.28
12	48.45	52.75	4.3	1600	600	232.56	7.05	59	47.922	6.2939609	1.680535	0.798924	1.243309	7.54		7.21
13	53.99	58.35	4.36	3600	2600	229.36	6.95	59	52.282	6.8228652	1.718352	0.833967	1.243309	7.44		7.14
14	58.35	62.78	4.43	2600	1600	225.73	6.84	59	56.712	7.3517695	1.753675	0.866392	1.243309	7.32		7.08
15	62.78	67.26	4.48	1600	600	223.21	6.76	62	61.192	7.8806738	1.786695	0.896563	1.186012	6.90		7.03
16	67.26	73.30	4.53	3500	2500	220.75	6.69	62	65.722	8.4095781	1.817711	0.924774	1.186012	6.83		6.97
17	73.30	77.80	4.5	2500	1500	222.22	6.73	62	70.222	8.9384823	1.846473	0.951264	1.186012	6.87		6.93
18	77.80	82.28	4.48	1500	500	223.21	6.76	62	74.702	9.4673866	1.873332	0.97623	1.186012	6.90		6.88
19	83.66	88.18	4.52	3500	2500	221.24	6.70	62	79.222	9.9962909	1.898846	0.999839	1.186012	6.84		6.84
20	88.18	92.75	4.57	2500	1500	218.82	6.63	62	83.792	10.525195	1.923203	1.02223	1.186012	6.77		6.80
21	92.75	97.32	4.57	1500	500	218.82	6.63	62	88.362	11.054099	1.946266	1.043523	1.186012	6.77		6.76
22	99.23	103.71	4.48	3500	2500	223.21	6.76	62	92.842	11.583004	1.967744	1.063821	1.186012	6.90		6.73
23	103.71	108.33	4.62	2500	1500	216.45	6.56	62	97.462	12.111908	1.988835	1.083213	1.186012	6.69		6.69
24	108.33	112.89	4.56	1500	500	219.30	6.64	62	102.022	12.640812	2.008694	1.101775	1.186012	6.78		6.66
25	114.48	119.13	4.65	3500	2500	215.05	6.52	65	106.672	13.169717	2.02805	1.119576	1.131355	6.34		6.63
26	119.13	123.73	4.6	2500	1500	217.39	6.59	65	111.272	13.698621	2.046386	1.136677	1.131355	6.41		6.60
27	123.73	128.32	4.59	1500	500	217.86	6.60	65	115.862	14.227525	2.063941	1.153129	1.131355	6.43		6.58
28	129.74	134.24	4.5	3500	2500	222.22	6.73	65	120.362	14.756429	2.080489	1.168981	1.131355	6.56		6.55
29	134.24	138.98	4.74	2500	1500	210.97	6.39	65	125.102	15.285334	2.097264	1.184275	1.131355	6.22		6.52
30	138.98	143.68	4.7	1500	500	212.77	6.45	67	129.802	15.814238	2.113281	1.199048	1.096324	6.08		6.50
31	144.91	149.66	4.75	3500	2500	210.53	6.38	67	134.552	16.343142	2.12889	1.213336	1.096324	6.02		6.47
32	149.66	154.43	4.77	2500	1500	209.64	6.35	67	139.322	16.872047	2.14402	1.227168	1.096324	5.99		6.45
33	154.43	159.18	4.75	1500	500	210.53	6.38	67	144.072	17.400951	2.15858	1.240573	1.096324	6.02		6.43
34	160.45	162.86	2.41	3500	3000	207.47	6.29	67	146.482	17.665403	2.165784	1.247124	1.096324	5.93		6.42
35	162.86	165.25	2.39	3000	2500	209.21	6.34	67	148.872	17.929855	2.172813	1.253577	1.096324	5.98		6.41
36	165.25	167.65	2.4	2500	2000	208.33	6.31	67	151.272	18.194307	2.179759	1.259936	1.096324	5.96		6.40
37	167.65	170.01	2.36	2000	1500	211.86	6.42	67	153.632	18.458759	2.186482	1.266203	1.096324	6.06		6.39
38	170.01	172.42	2.41	1500	1000	207.47	6.29	67	156.042	18.723212	2.193242	1.27238	1.096324	5.93		6.38
39	172.42	174.77	2.35	1000	500	212.77	6.45	67	158.392	18.987664	2.199733	1.278472	1.096324	6.08		6.37
40	175.98	178.35	2.37	3500	3000	210.97	6.39	68	160.762	19.252116	2.206183	1.284478	1.079218	5.94		6.36
41	178.35	180.74	2.39	3000	2500	209.21	6.34	68	163.152	19.516568	2.212592	1.290403	1.079218	5.89		6.35
42	180.74	183.16	2.42	2500	2000	206.61	6.26	68	165.572	19.78102	2.218987	1.296249	1.079218	5.81		6.34
43	183.16	185.55	2.39	2000	1500	209.21	6.34	68	167.962	20.045472	2.225211	1.302016	1.079218	5.89		6.33
44	185.55	187.96	2.41	1500	1000	207.47	6.29	68	170.372	20.309924	2.231398	1.307708	1.079218	5.84		6.32
45	187.96	190.42	2.46	1000	500	203.25	6.16	68	172.832	20.574377	2.237624	1.313327	1.079218	5.72		6.31

**Mountaire Farms of Delaware  
Infiltrometer Test DR-**



**EARTH DATA INCORPORATED**

Mountaire Farms of Delaware  
Infiltrometer Test DR-



**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-3  
 Test Location: TP-3  
 W.O.: 4940d Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Date: 9/18/2019 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series:  
 Test Depth: 64 inches Water Temp. (F): 64.57

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-3  
 W.O.: 4940d Test Location: TP-3  
 Date: 9/18/2019  
 Test K V = 1.139006  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
			0			0			0	0					184.05	12.88
															m-1	-0.00353
															m	0.996472
															b	0.219438
															bm	0.21866
1	0.00	29.88	29.88	50	40	0.33	12.38	60	29.88	6.5869526	1.475381	0.818685	1.223909	13.30		12.96
2	29.88	62.78	32.9	40	30	0.30	11.24	62	62.78	13.173905	1.797821	1.119715	1.186012	11.71		12.93
3	62.78	77.00	14.22	30	25	0.35	13.01	62	77	16.467381	1.886491	1.216625	1.186012	13.54		12.92
4	78.50	114.48	35.98	50	37.5	0.35	12.85	65	112.98	24.701072	2.053002	1.392716	1.131355	12.76		12.90
5	114.48	143.68	29.2	37.5	27.5	0.34	12.67	67	142.18	31.288025	2.152839	1.495378	1.096324	12.19		12.89
6	143.68	178.35	34.67	27.5	17.5	0.29	10.67	68	176.85	37.874977	2.247605	1.578352	1.079218	10.11		12.88
7	178.35	185.55	7.2	17.5	15	0.35	12.84	68	184.05	39.521715	2.264936	1.596836	1.079218	12.17		12.88

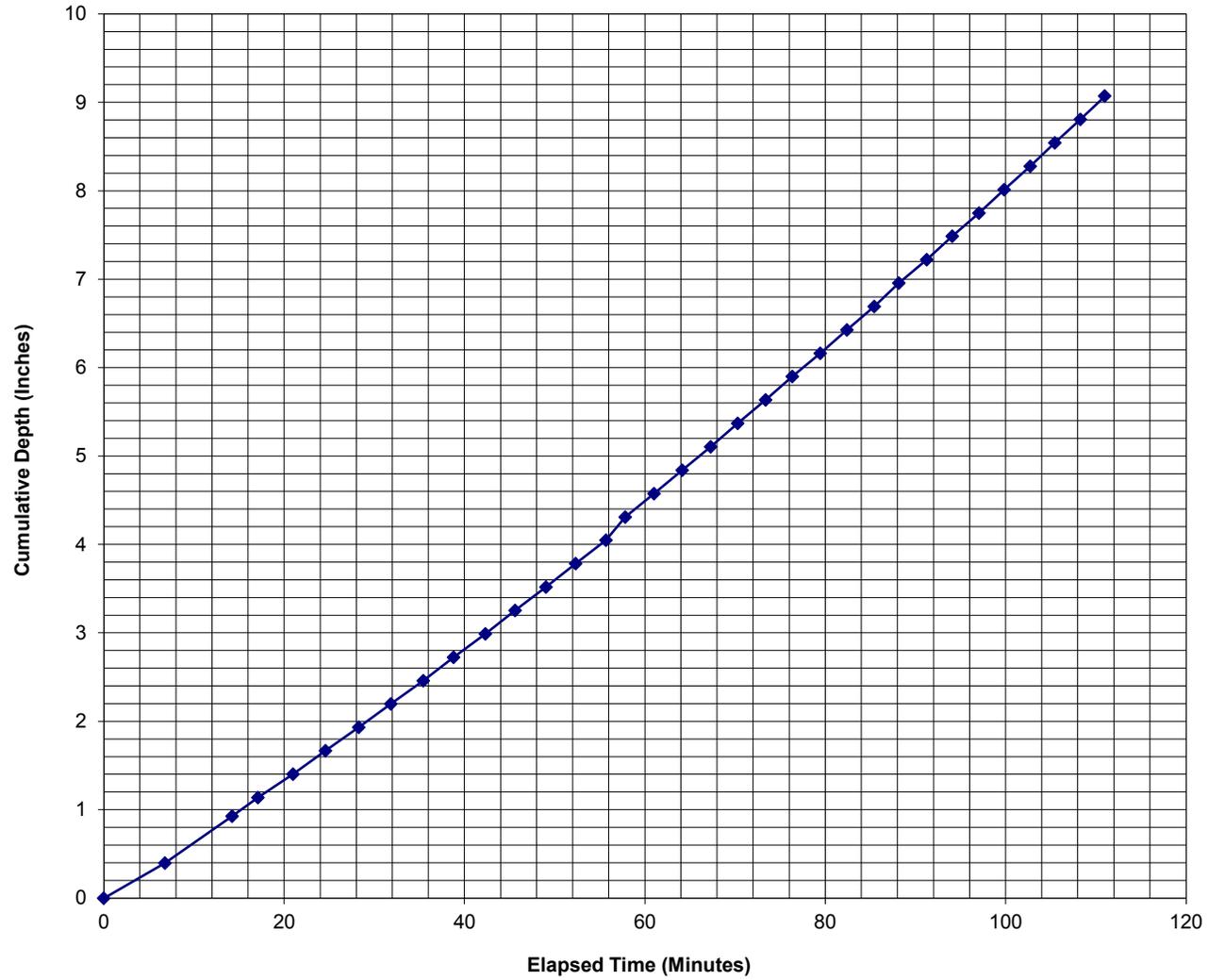
**Double Ring Infiltrometer  
Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-4	Project:	Mountaire Farms	Test Designation:	DR-4
W.O.:	4940d	Test Location:	TP-4	W.O.:	4940d	Test Location:	TP-4
Date:	9/18/2019	Inner Ring Dia. (ft):	1.01	Date:	9/18/2019	Inner Ring Dia. (ft):	1.01
		Outer Ring Dia. (ft):	2.03			Outer Ring Dia. (ft):	2.03
Soil Series:		Inner Ring Area (sqin):	115.37	Test K V =	1.105945	Inner Ring Area (sqin):	115.37
Test Depth:	38 inches	Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217	Outer Ring Area (sqin):	350.69
		Water Temp. (F):	66.44			Water Temp. (F):	66.44

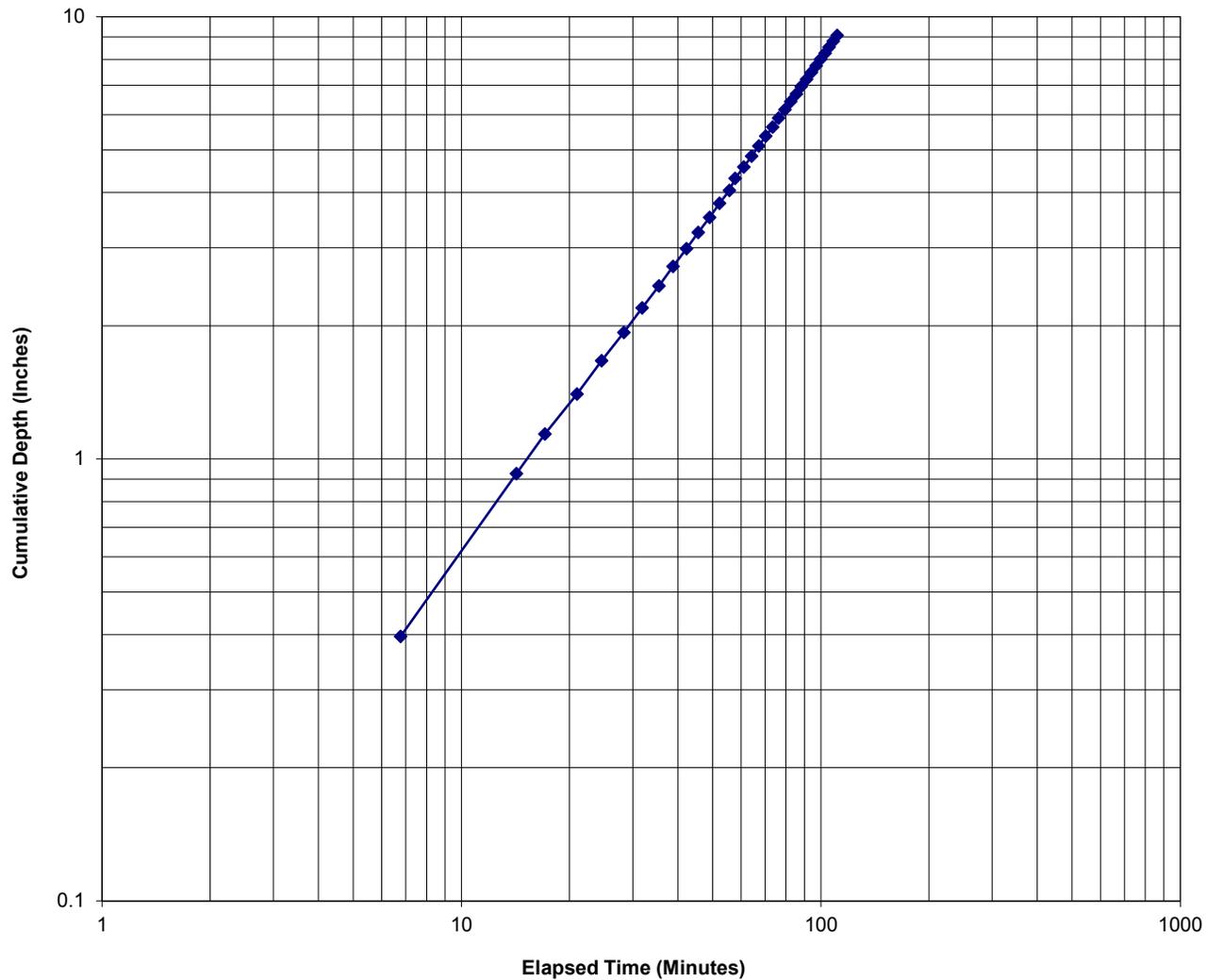
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
1	0.00	6.77	0	1150	400	0	3.19	60	0	0	0.3966782	0.830589	-0.40156	1.223909	3.54	5.88
2	7.90	15.36	7.46	1350	350	134.05	3.87	60	14.23	0.9255825	1.153205	-0.03358	1.223909	4.28	5.88	
3	16.34	19.19	2.85	1350	950	140.35	4.05	60	17.08	1.1371442	1.232488	0.055816	1.223909	4.48	5.88	
4	19.19	23.10	3.91	950	450	127.88	3.69	60	20.99	1.4015963	1.322012	0.146623	1.223909	4.08	5.88	
5	24.22	27.80	3.58	1350	850	139.66	4.03	60	24.57	1.6660485	1.390405	0.221688	1.223909	4.46	5.88	
6	27.80	31.51	3.71	850	350	134.77	3.89	60	28.28	1.9305006	1.451479	0.28567	1.223909	4.30	5.88	
7	32.41	35.95	3.54	1350	850	141.24	4.07	60	31.82	2.1949528	1.5027	0.341425	1.223909	4.51	5.88	
8	35.95	39.55	3.6	850	350	138.89	4.01	60	35.42	2.4594049	1.549249	0.39083	1.223909	4.43	5.88	
9	40.46	43.81	3.35	1350	850	149.25	4.30	60	38.77	2.723857	1.588496	0.435184	1.223909	4.76	5.88	
10	43.81	47.34	3.53	850	350	141.64	4.08	60	42.3	2.9883092	1.62634	0.475426	1.223909	4.52	5.88	
11	48.16	51.47	3.31	1350	850	151.06	4.36	60	45.61	3.2527613	1.65906	0.512252	1.223909	4.82	5.88	
12	51.47	54.90	3.43	850	350	145.77	4.20	60	49.04	3.5172135	1.69055	0.546199	1.223909	4.65	5.88	
13	55.82	59.09	3.27	1350	850	152.91	4.41	65	52.31	3.7816666	1.718585	0.577683	1.131355	4.51	5.88	
14	59.09	62.45	3.36	850	350	148.81	4.29	65	55.67	4.0461177	1.745621	0.607039	1.131355	4.39	5.88	
15	63.50	65.64	2.14	1350	850	233.64	6.74	65	57.81	4.3105699	1.762003	0.634535	1.131355	6.89	5.88	
16	65.64	68.84	3.2	850	350	156.25	4.51	65	61.01	4.575022	1.785401	0.660393	1.131355	4.61	5.88	
17	69.72	72.85	3.13	1350	850	159.74	4.61	65	64.14	4.8394742	1.807129	0.684798	1.131355	4.71	5.88	
18	72.85	76.00	3.15	850	350	158.73	4.58	65	67.29	5.1039263	1.827951	0.707904	1.131355	4.68	5.88	
19	76.81	79.81	3	1350	850	166.67	4.81	65	70.29	5.3683785	1.846894	0.729843	1.131355	4.92	5.88	
20	79.81	82.90	3.09	850	350	161.81	4.67	65	73.38	5.6328306	1.865578	0.750727	1.131355	4.77	5.88	
21	83.75	86.71	2.96	1350	850	168.92	4.87	65	76.34	5.8972827	1.882752	0.770652	1.131355	4.98	5.88	
22	86.71	89.82	3.11	850	350	160.77	4.64	65	79.45	6.1617349	1.900094	0.789703	1.131355	4.74	5.88	
23	90.58	93.54	2.96	1350	850	168.92	4.87	65	82.41	6.426187	1.91599	0.807953	1.131355	4.98	5.88	
24	93.54	96.55	3.01	850	350	166.11	4.79	65	85.42	6.6906392	1.93156	0.825468	1.131355	4.90	5.88	
25	97.38	100.12	2.74	1350	850	182.48	5.26	68	88.16	6.9550913	1.945272	0.842303	1.079218	5.14	5.88	
26	100.12	103.20	3.08	850	350	162.34	4.68	68	91.24	7.2195434	1.960185	0.85851	1.079218	4.57	5.88	
27	104.07	106.92	2.85	1350	850	175.44	5.06	68	94.09	7.4839956	1.973543	0.874134	1.079218	4.94	5.88	
28	106.92	109.88	2.96	850	350	168.92	4.87	68	97.05	7.7484477	1.986996	0.889215	1.079218	4.75	5.88	
29	110.70	113.48	2.78	1350	850	179.86	5.19	68	99.83	8.0128999	1.999261	0.90379	1.079218	5.06	5.88	
30	113.48	116.38	2.9	850	350	172.41	4.97	68	102.73	8.277352	2.011697	0.917891	1.079218	4.85	5.88	
31	117.72	120.43	2.71	1350	850	184.50	5.32	68	105.44	8.5418041	2.023005	0.93155	1.079218	5.19	5.88	
32	120.43	123.26	2.83	850	350	176.68	5.10	68	108.27	8.8062563	2.034508	0.944791	1.079218	4.97	5.88	
33	124.08	126.79	2.71	1350	850	184.50	5.32	68	110.98	9.0707084	2.045245	0.957641	1.079218	5.19	5.88	
34	126.79	129.57	2.78	850	350	179.86	5.19	68	113.76	9.3351606	2.05599	0.970122	1.079218	5.06	5.88	
35	130.10	133.14	3.04	1350	850	164.47	4.74	68	116.8	9.5996127	2.067443	0.982254	1.079218	4.63	5.88	
36	133.14	135.92	2.78	850	350	179.86	5.19	68	119.58	9.8640648	2.077659	0.994056	1.079218	5.06	5.88	
37	136.78	139.45	2.67	1350	850	187.27	5.40	68	122.25	10.128517	2.087249	1.005546	1.079218	5.27	5.88	
38	139.45	142.21	2.76	850	350	181.16	5.22	68	125.01	10.392969	2.096945	1.01674	1.079218	5.10	5.88	
39	143.04	145.76	2.72	1350	850	183.82	5.30	70	127.73	10.657421	2.106293	1.027652	1.045801	5.01	5.88	
40	145.76	148.50	2.74	850	350	182.48	5.26	70	130.47	10.921873	2.115511	1.038297	1.045801	4.98	5.88	
41	149.38	152.00	2.62	1350	850	190.84	5.50	70	133.09	11.186326	2.124145	1.048687	1.045801	5.20	5.88	
42	152.00	154.73	2.73	850	350	183.15	5.28	70	135.82	11.450778	2.132964	1.058835	1.045801	4.99	5.88	
43	155.62	160.94	5.32	1350	350	187.97	5.42	70	141.14	11.979682	2.14965	1.078445	1.045801	5.13	5.88	
44	161.81	167.14	5.33	1350	350	187.62	5.41	70	146.47	12.508586	2.165749	1.097208	1.045801	5.12	5.88	
45	167.94	173.21	5.27	1350	350	189.75	5.47	70	151.74	13.037491	2.1811	1.115194	1.045801	5.17	5.88	
46	174.07	179.36	5.29	1350	350	189.04	5.45	70	157.03	13.566395	2.195983	1.132464	1.045801	5.16	5.88	
47	180.15	182.83	2.68	1350	850	186.57	5.38	72	159.71	13.830847	2.203332	1.140849	1.013419	4.93	5.88	
48	182.83	185.49	2.66	850	350	187.97	5.42	72	162.37	14.095299	2.210506	1.149074	1.013419	4.97	5.88	
49	186.28	188.84	2.56	1350	850	195.31	5.63	72	164.93	14.359751	2.2173	1.157147	1.013419	5.16	5.88	
50	188.84	191.47	2.63	850	350	190.11	5.48	72	167.56	14.624203	2.22417	1.165072	1.013419	5.02	5.88	
51	192.25	194.85	2.6	1350	850	192.31	5.55	72	170.16	14.888656	2.230857	1.172855	1.013419	5.08	5.88	
52	194.85	197.52	2.67	850	350	187.27	5.40	72	172.83	15.153108	2.237619	1.180502	1.013419	4.95	5.88	
53	198.40	201.01	2.61	1350	850	191.57	5.52	72	175.44	15.41756	2.244129	1.188016	1.013419	5.06	5.88	
54	201.01	203.58	2.57	850	350	194.55	5.61	72	178.01	15.682012	2.250444	1.195402	1.013419	5.14	5.88	

**Mountaire Farms of Delaware  
Infiltrometer Test DR-4**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-4**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-4  
 W.O.: 4940d Test Location: TP-4  
 Date: 9/18/2019 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series: Water Temp. (F): 66.00  
 Test Depth: 38 inches

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-4  
 W.O.: 4940d Test Location: TP-4  
 Date: 9/18/2019  
 Test K V = 1.113702  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
			0			0			0	0					203.58	3.68
															m-1 -0.0519	
															m 0.948099	R^2 1
															b 0.085272	
															bm 0.08085	
1	0.00	98.80	98	50	40	0.10	3.69	60	98	6.5869526	1.991226	0.818685	1.223909	4.06		3.82
2	98.00	203.58	105.58	40	30	0.09	3.43	72	203.58	13.173905	2.308735	1.119715	1.013419	3.12		3.68

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 9/18/2019  
 Soil Series:  
 Test Depth: 52 inches

Test Designation: DR-5  
 Test Location: TP-5  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 63.89

**Double Ring Infiltrometer  
Test Results**

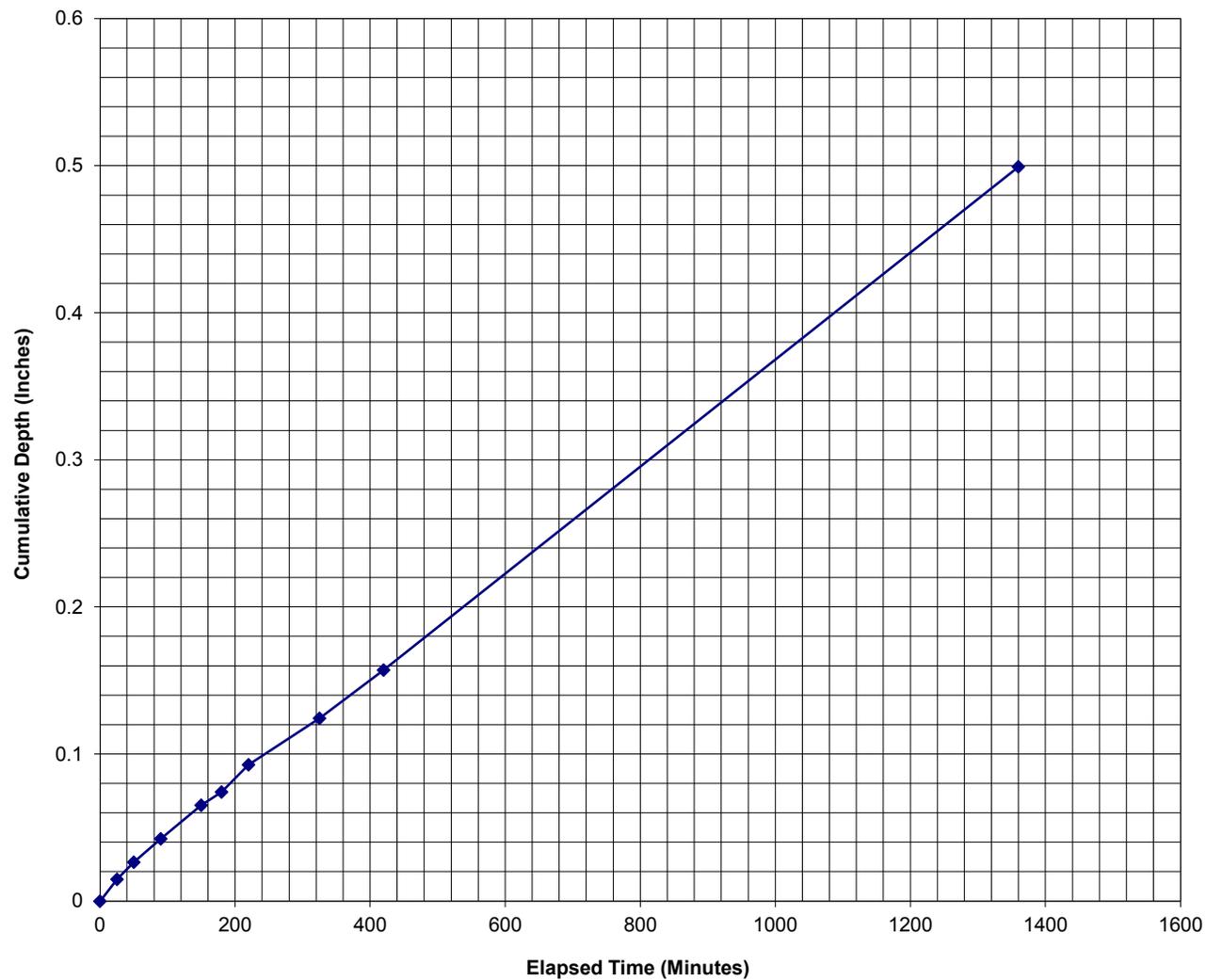
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 9/18/2019

Test Designation: DR-5  
 Test Location: TP-5

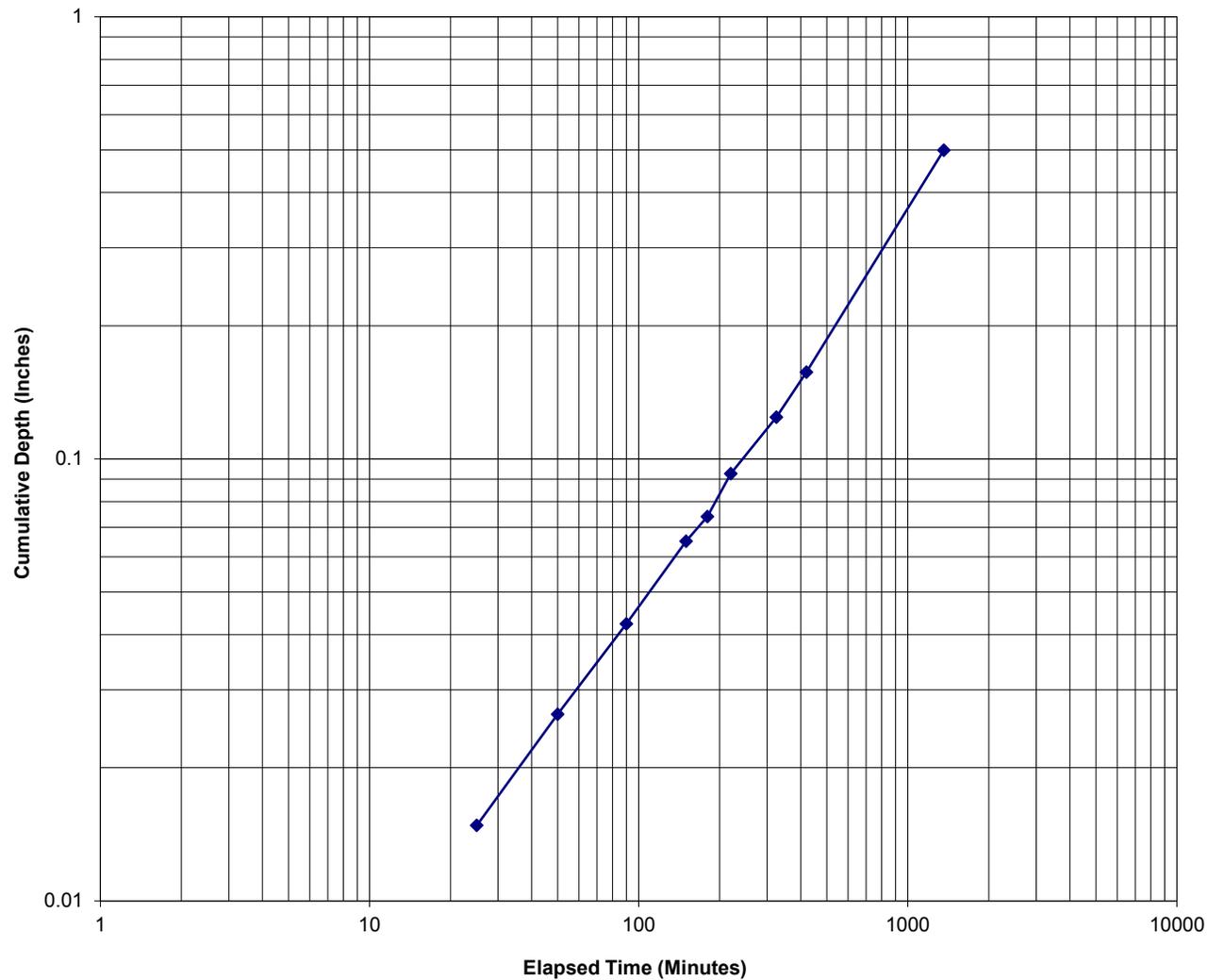
Test K V = 1.151298  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	1360	Rate	0.02
			0			0			0	0					m-1	-0.13053	R^2	0.997576
															m	0.869474		
															b	0.000855		
															bm	0.00074		
1	0.00	25.00	25	1000	972	1.12	0.03	58	25	0.0148093	1.39794	-1.82946	1.263016	0.04				0.03
2	25.00	50.00	25	972	950	0.88	0.03	60	50	0.0264452	1.69897	-1.57765	1.223909	0.03				0.03
3	50.00	90.00	40	950	920	0.75	0.02	62	90	0.0423123	1.954243	-1.37353	1.186012	0.02				0.02
4	90.00	150.00	60	920	877	0.72	0.02	63	150	0.0650552	2.176091	-1.18672	1.167506	0.02				0.02
5	150.00	180.00	30	877	860	0.57	0.02	66	180	0.0740466	2.255273	-1.13049	1.113702	0.02				0.02
6	180.00	220.00	40	860	825	0.88	0.03	67	220	0.0925582	2.342423	-1.03358	1.096324	0.03				0.02
7	220.00	325.00	105	825	765	0.57	0.02	70	325	0.1242925	2.511883	-0.90556	1.045801	0.02				0.02
8	325.00	420.00	95	765	703	0.65	0.02	71	420	0.1570846	2.623249	-0.80387	1.029483	0.02				0.02
9	420.00	1360.00	940	1000	353	0.69	0.02	58	1360	0.4992856	3.133539	-0.30165	1.263016	0.02				0.02

**Mountaire Farms of Delaware  
Infiltrometer Test DR-5**



**Mountaire Farms of Delaware  
Infiltrometer Test DR-5**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-5	Project:	Mountaire Farms	Test Designation:	DR-5
		Test Location:	TP-5	W.O.:	4940d	Test Location:	TP-5
W.O.:	4940d	Inner Ring Dia. (ft):	1.01	Date:	9/18/2019		
		Outer Ring Dia. (ft):	2.03				
Date:	9/18/2019	Inner Ring Area (sqin):	115.37	Test K V =	1.173642		
Soil Series:		Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
Test Depth:	52 inches	Water Temp. (F):	62.67				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	1265	Rate	0.06
			0			0			0	0					m-1	-0.2009	R^2	0.979475
															m	0.799098		
															b	0.005687		
															bm	0.00454		
1	0.00	180.00	180	50	49.5	0.00	0.11	60	180	0.3293476	2.255273	-0.48235	1.223909	0.11				0.10
2	180.00	325.00	145	49.5	49	0.00	0.13	70	325	0.6586953	2.511883	-0.18132	1.045801	0.12				0.09
3	420.00	1360.00	940	49	47.5	0.00	0.06	58	1265	1.6467381	3.102091	0.216625	1.263016	0.07				0.06

Double Ring Infiltrometer  
Test Results

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 9/18/2019  
 Soil Series:  
 Test Depth: 41 inches

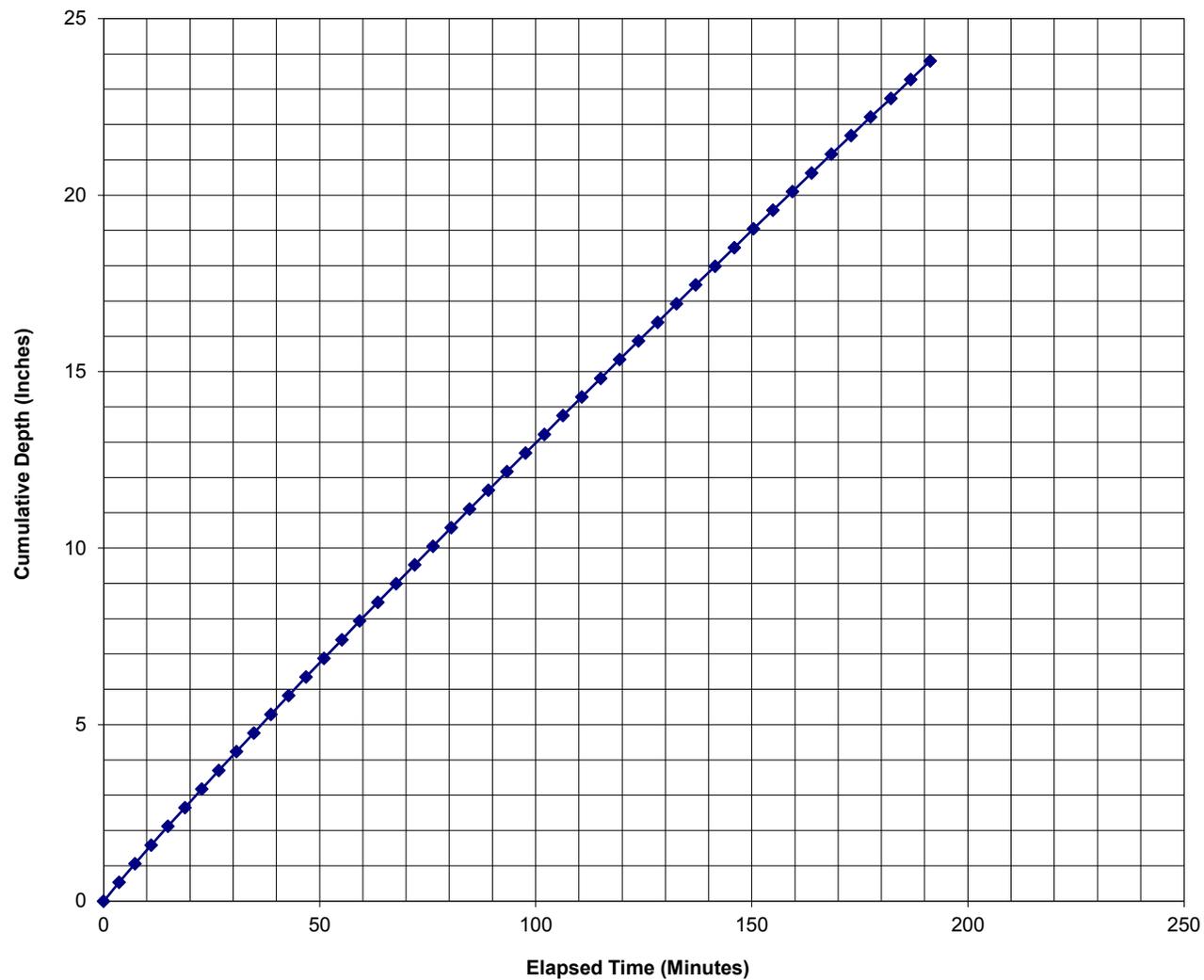
Test Designation: DR-6  
 Test Location: TP-6  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 69.24

Double Ring Infiltrometer  
Test Results

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 9/18/2019  
 Test Designation: DR-6  
 Test Location: TP-6  
 Test K V = 1.058302  
 K V @ 60 = 1.217

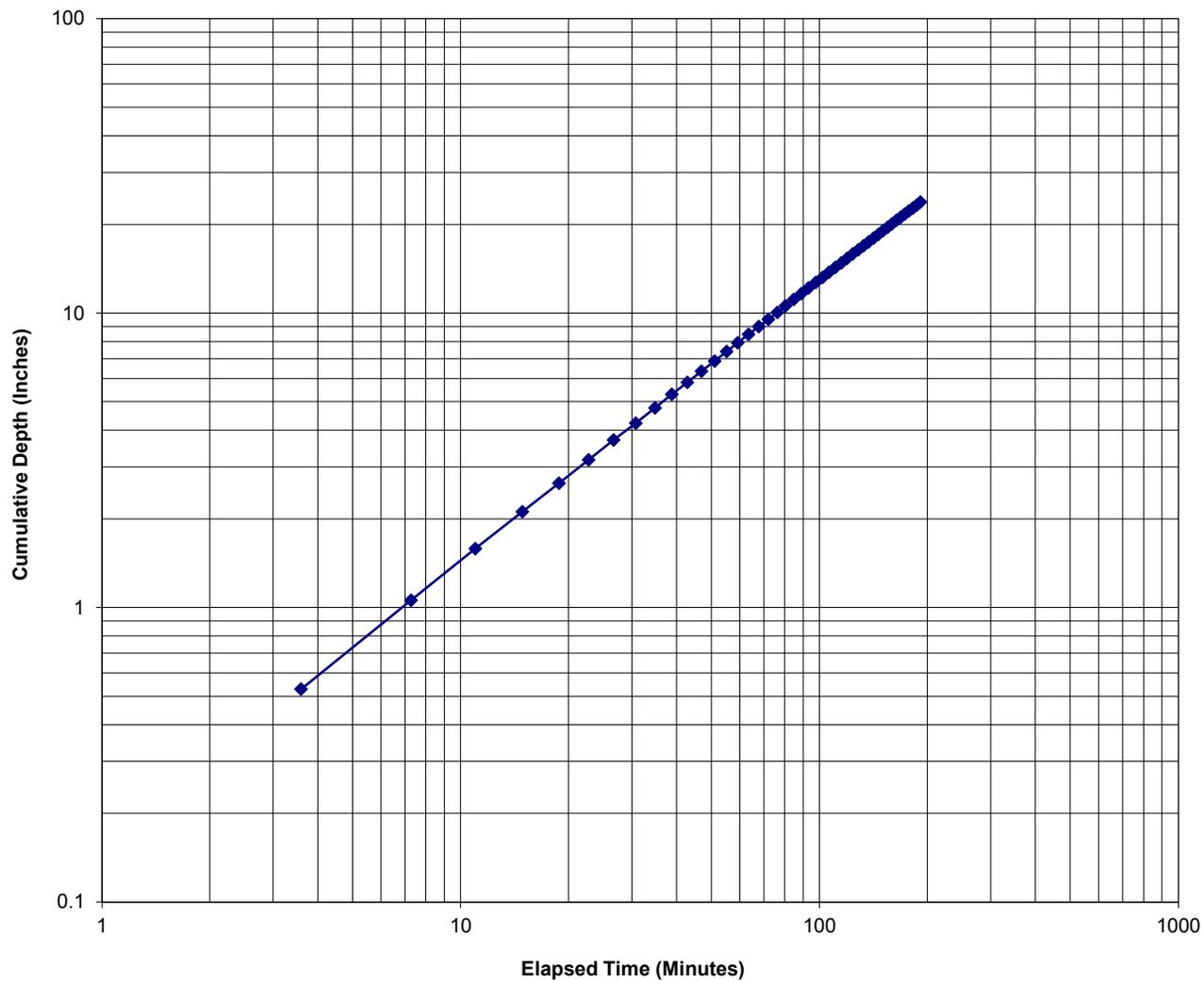
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Test (F)	t (min)	191.26	Rate	7.18
															m-1	-0.04764	m	0.952365
1	0.00	3.59	3.59	3600	2600	278.55	7.69	68	3.59	0.5289043	0.555094	-0.27662	1.079218	7.84				8.67
2	3.59	7.27	3.68	2600	1600	271.74	7.50	68	7.27	1.0578086	0.861534	0.024407	1.079218	7.65				8.39
3	7.27	10.98	3.71	1600	600	269.54	7.44	68	10.98	1.5867128	1.040602	0.200498	1.079218	7.59				8.22
4	12.42	16.30	3.88	3600	2600	257.73	7.11	68	14.86	2.1156171	1.172019	0.325437	1.079218	7.25				8.11
5	16.30	20.25	3.95	2600	1600	253.16	6.99	68	18.81	2.6445214	1.274389	0.422347	1.079218	7.12				8.02
6	20.25	24.19	3.94	1600	600	253.81	7.00	68	22.75	3.1734257	1.356981	0.501528	1.079218	7.14				7.94
7	25.94	29.88	3.94	3600	2600	253.81	7.00	68	26.69	3.70233	1.426349	0.568475	1.079218	7.14				7.88
8	29.88	33.97	4.09	2600	1600	244.50	6.75	68	30.78	4.2312342	1.488269	0.626467	1.079218	6.88				7.83
9	33.97	37.97	4	1600	600	250.00	6.90	68	34.78	4.7601385	1.54133	0.67762	1.079218	7.04				7.78
10	39.10	43.07	3.97	3600	2600	251.89	6.95	68	38.75	5.2890428	1.588272	0.723377	1.079218	7.09				7.74
11	43.07	47.14	4.07	2600	1600	245.70	6.78	68	42.82	5.8179471	1.631647	0.76477	1.079218	6.91				7.71
12	47.14	51.18	4.04	1600	600	247.52	6.83	68	46.86	6.3468514	1.670802	0.802558	1.079218	6.97				7.68
13	52.48	56.62	4.14	3600	2600	241.55	6.67	68	51	6.8757557	1.70757	0.83732	1.079218	6.80				7.64
14	56.62	60.80	4.18	2600	1600	239.23	6.60	68	55.18	7.4046599	1.741782	0.869505	1.079218	6.73				7.62
15	60.80	64.85	4.05	1600	600	246.91	6.81	68	59.23	7.9335642	1.772542	0.899468	1.079218	6.95				7.59
16	66.43	70.70	4.27	3600	2600	234.19	6.46	68	63.5	8.4624685	1.802774	0.927497	1.079218	6.59				7.56
17	70.70	74.92	4.22	2600	1600	236.97	6.54	68	67.72	8.9913728	1.830717	0.953826	1.079218	6.67				7.54
18	74.92	79.19	4.27	1600	600	234.19	6.46	68	71.99	9.5202771	1.857272	0.97865	1.079218	6.59				7.52
19	80.65	84.92	4.27	3600	2600	234.19	6.46	70	76.26	10.049181	1.882297	1.002131	1.045801	6.39				7.50
20	84.92	89.11	4.19	2600	1600	238.66	6.59	70	80.45	10.578086	1.905526	1.024407	1.045801	6.51				7.48
21	89.11	93.36	4.25	1600	600	235.29	6.49	70	84.7	11.10699	1.927883	1.045596	1.045801	6.42				7.46
22	94.61	98.95	4.34	3600	2600	230.41	6.36	70	89.04	11.635894	1.949585	1.0658	1.045801	6.28				7.44
23	98.95	103.23	4.28	2600	1600	233.64	6.45	70	93.32	12.164798	1.969975	1.085105	1.045801	6.37				7.43
24	103.23	107.57	4.34	1600	600	230.41	6.36	70	97.66	12.693703	1.989717	1.103588	1.045801	6.28				7.41
25	109.05	113.40	4.35	3600	2600	229.89	6.34	70	102.01	13.222607	2.008643	1.121317	1.045801	6.27				7.40
26	113.40	117.72	4.32	2600	1600	231.48	6.39	70	106.33	13.751511	2.026656	1.13835	1.045801	6.31				7.38
27	117.72	122.07	4.35	1600	600	229.89	6.34	70	110.68	14.280416	2.044069	1.154741	1.045801	6.27				7.37
28	123.57	127.91	4.34	3600	2600	230.41	6.36	70	115.02	14.80932	2.060773	1.170535	1.045801	6.28				7.35
29	127.91	132.30	4.39	2600	1600	227.79	6.29	70	119.41	15.338224	2.077041	1.185775	1.045801	6.21				7.34
30	132.30	136.69	4.39	1600	600	227.79	6.29	70	123.8	15.867128	2.092721	1.200498	1.045801	6.21				7.33
31	138.03	142.47	4.44	3600	2600	225.23	6.22	70	128.24	16.396033	2.108024	1.214739	1.045801	6.14				7.32
32	142.47	146.84	4.37	2600	1600	228.83	6.31	70	132.61	16.924937	2.122576	1.228527	1.045801	6.24				7.30
33	146.84	151.22	4.38	1600	600	228.31	6.30	70	136.99	17.453841	2.136689	1.241891	1.045801	6.23				7.29
34	152.96	157.47	4.51	3600	2600	221.73	6.12	70	141.5	17.982746	2.150756	1.254856	1.045801	6.05				7.28
35	157.47	161.90	4.43	2600	1600	225.73	6.23	70	145.93	18.51165	2.164145	1.267445	1.045801	6.16				7.27
36	161.90	166.33	4.43	1600	600	225.73	6.23	70	150.36	19.040554	2.177132	1.27968	1.045801	6.16				7.26
37	167.87	172.38	4.51	3600	2600	221.73	6.12	70	154.87	19.569458	2.189967	1.291579	1.045801	6.05				7.25
38	172.38	176.89	4.51	2600	1600	221.73	6.12	70	159.38	20.098363	2.202434	1.303161	1.045801	6.05				7.24
39	176.89	181.34	4.45	1600	600	224.72	6.20	70	163.83	20.627267	2.214393	1.314442	1.045801	6.13				7.23
40	182.42	187.02	4.6	3600	2600	217.39	6.00	70	168.43	21.156171	2.226419	1.325437	1.045801	5.93				7.22
41	187.02	191.59	4.57	2600	1600	218.82	6.04	70	173	21.685076	2.238046	1.336161	1.045801	5.97				7.21
42	191.59	196.10	4.51	1600	600	221.73	6.12	70	177.51	22.21398	2.249223	1.346626	1.045801	6.05				7.20
43	197.14	201.80	4.66	3600	2600	214.59	5.92	70	182.17	22.742884	2.260477	1.356846	1.045801	5.85				7.19
44	201.80	206.43	4.63	2600	1600	215.98	5.96	70	186.8	23.271788	2.271377	1.36683	1.045801	5.89				7.19
45	206.43	210.89	4.46	1600	600	224.22	6.19	72	191.26	23.800693	2.281624	1.37659	1.013419	5.93				7.18

**Mountaire Farms of Delaware  
Infiltrometer Test DR-6**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-6**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-6  
 Test Location: TP-6  
 W.O.: 4940d Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Date: 9/18/2019 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series:  
 Test Depth: 41 inches Water Temp. (F): 68.00

Project: Mountaire Farms Test Designation: DR-6  
 W.O.: 4940d Test Location: TP-6  
 Date: 9/18/2019  
 Test K V = 1.079218  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate	
			0			0			0	0					210.89	11.31	
															m-1	-0.10165	
															m	0.898350	R^2
															b	0.361633	
															bm	0.32487	
1	0.00	70.25	70.25	50	25	0.36	12.47	60	70.25	16.467381	1.846646	1.216625	1.223909	14.14			12.65
2	70.25	151.00	80.75	50	25	0.31	10.85	72	151	32.934763	2.178977	1.517655	1.013419	10.19			11.71
3	151.00	210.89	59.89	50	33	0.28	9.95	72	210.89	44.132582	2.324056	1.644759	1.013419	9.34			11.31

**Double Ring Infiltrometer  
Test Results**

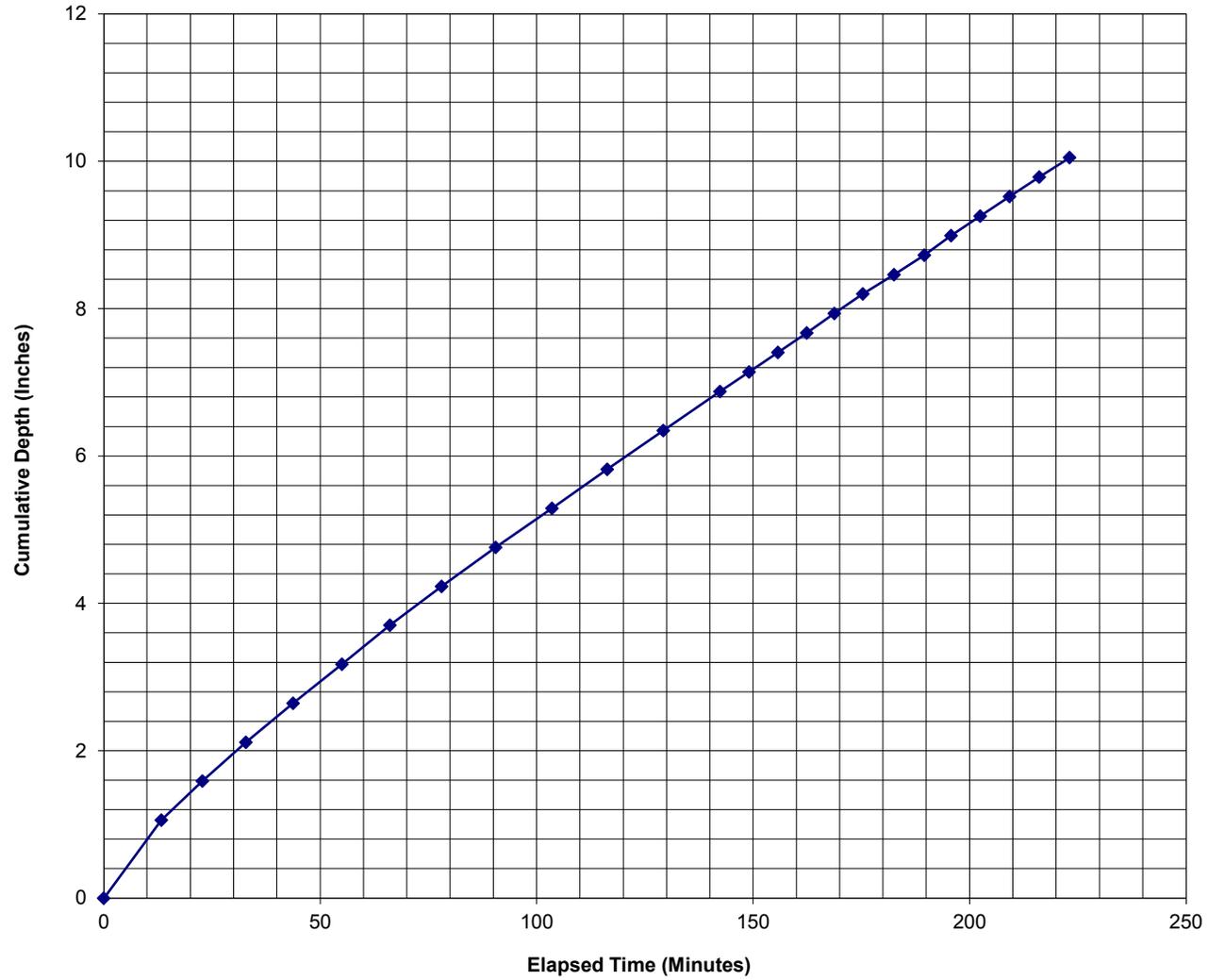
Project: **Mountaire Farms** Test Designation: **DR-7**  
 Test Location: **TP-7**  
 W.O.: **4940d** Inner Ring Dia. (ft): **1.01**  
 Outer Ring Dia. (ft): **2.03**  
 Date: **9/19/2019** Inner Ring Area (sqin): **115.37**  
 Outer Ring Area (sqin): **350.69**  
 Soil Series:   
 Test Depth: **62 inches** Water Temp. (F): **59.83**

**Double Ring Infiltrometer  
Test Results**

Project: **Mountaire Farms** Test Designation: **DR-7**  
 Test Location: **TP-7**  
 W.O.: **4940d** Date: **9/19/2019**  
 Test K V = **1.227121**  
 K V @ 60 = **1.217**

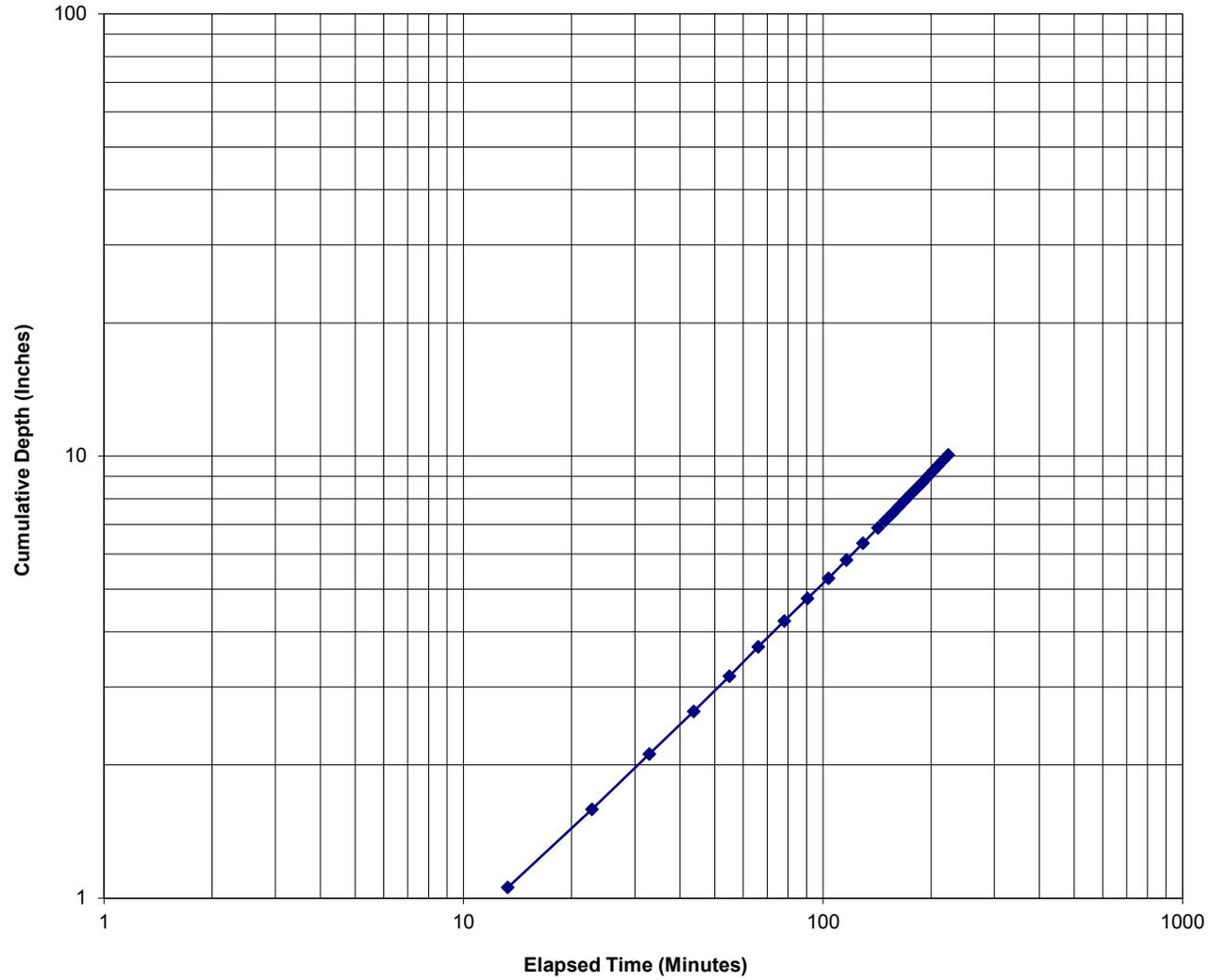
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	223.08	Rate	2.14
			0			0			0	0					m-1	-0.19594	R^2	0.999729
															m	0.804063		
															b	0.128249		
															bm	0.10312		
1	0.00	13.28	13.28	3700	1700	150.60	4.82	58	13.28	1.0578086	1.123198	0.024407	1.263016	4.96			3.73	
2	13.28	22.78	9.5	1700	700	105.26	3.37	58	22.78	1.5867128	1.357554	0.200498	1.263016	3.47			3.35	
3	25.25	35.33	10.08	3700	2700	99.21	3.17	58	32.86	2.1156171	1.516668	0.325437	1.263016	3.27			3.12	
4	35.33	46.20	10.87	2700	1700	92.00	2.94	58	43.73	2.6445214	1.640779	0.422347	1.263016	3.03			2.95	
5	46.20	57.46	11.26	1700	700	88.81	2.84	58	54.99	3.1734257	1.740284	0.501528	1.263016	2.92			2.82	
6	60.41	71.54	11.13	3700	2700	89.85	2.87	58	66.12	3.70233	1.820333	0.568475	1.263016	2.96			2.72	
7	71.54	83.45	11.91	2700	1700	83.96	2.69	58	78.03	4.2312342	1.892262	0.626467	1.263016	2.77			2.63	
8	83.45	95.92	12.47	1700	700	80.19	2.57	58	90.5	4.7601385	1.956649	0.67762	1.263016	2.64			2.56	
9	98.59	111.60	13.01	3700	2700	76.86	2.46	58	103.51	5.2890428	2.014982	0.723377	1.263016	2.53			2.49	
10	111.60	124.40	12.8	2700	1700	78.12	2.50	58	116.31	5.8179471	2.065617	0.76477	1.263016	2.57			2.44	
11	124.40	137.32	12.92	1700	700	77.40	2.48	60	129.23	6.3468514	2.111363	0.802558	1.223909	2.47			2.39	
12	140.84	153.96	13.12	3700	2700	76.22	2.44	60	142.35	6.8757557	2.153357	0.83732	1.223909	2.43			2.34	
13	153.96	160.71	6.75	2700	2200	74.07	2.37	60	149.1	7.1402078	2.173478	0.853711	1.223909	2.36			2.32	
14	160.71	167.36	6.65	2200	1700	75.19	2.41	60	155.75	7.4046599	2.192428	0.869505	1.223909	2.40			2.30	
15	167.36	174.01	6.65	1700	1200	75.19	2.41	60	162.4	7.6691121	2.210586	0.884745	1.223909	2.40			2.28	
16	174.01	180.35	6.34	1200	700	78.86	2.52	60	168.74	7.9335642	2.227218	0.899468	1.223909	2.52			2.27	
17	180.35	186.96	6.61	700	200	75.64	2.42	60	175.35	8.1980164	2.243906	0.913709	1.223909	2.41			2.25	
18	189.45	196.67	7.22	3700	3200	69.25	2.22	62	182.57	8.4624685	2.261429	0.927497	1.186012	2.14			2.23	
19	196.67	203.67	7	3200	2700	71.43	2.29	62	189.57	8.7269206	2.27777	0.940861	1.186012	2.21			2.21	
20	203.67	209.80	6.13	2700	2200	81.57	2.61	62	195.7	8.9913728	2.291591	0.953826	1.186012	2.52			2.20	
21	209.80	216.55	6.75	2200	1700	74.07	2.37	62	202.45	9.2558249	2.306318	0.966415	1.186012	2.29			2.19	
22	216.55	223.30	6.75	1700	1200	74.07	2.37	62	209.2	9.5202771	2.320562	0.97865	1.186012	2.29			2.17	
23	223.30	230.20	6.9	1200	700	72.46	2.32	62	216.1	9.7847292	2.334655	0.990549	1.186012	2.24			2.16	
24	230.20	237.18	6.98	700	200	71.63	2.29	64	223.08	10.049181	2.348461	1.002131	1.149288	2.15			2.14	

**Mountaire Farms of Delaware  
Infiltrometer Test DR-7**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-7**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-7	Project:	Mountaire Farms	Test Designation:	DR-7
		Test Location:	TP-7	W.O.:	4940d	Test Location:	TP-7
W.O.:	4940d	Inner Ring Dia. (ft):	1.01	Date:	9/19/2019		
		Outer Ring Dia. (ft):	2.03				
Date:	9/19/2019	Inner Ring Area (sqin):	115.37	Test K V =	1.211144		
Soil Series:		Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
Test Depth:	62 inches	Water Temp. (F):	60.67				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	m-1	m	b	bm	Rate	R^2
			0			0			0	0					237.18	-0.16648				3.32	
																0.833517				0.999942	
																0.165156					
																0.13766					
1	0.00	83.20	83.2	50	40	0.12	4.73	58	83.2	6.5869526	1.920123	0.818685	1.263016	4.93						3.96	
2	83.20	192.17	108.97	40	30	0.09	3.61	60	192.17	13.173905	2.283686	1.119715	1.223909	3.65						3.44	
3	192.17	237.18	45.01	30	26	0.09	3.50	64	237.18	15.808686	2.375078	1.198896	1.149288	3.32						3.32	

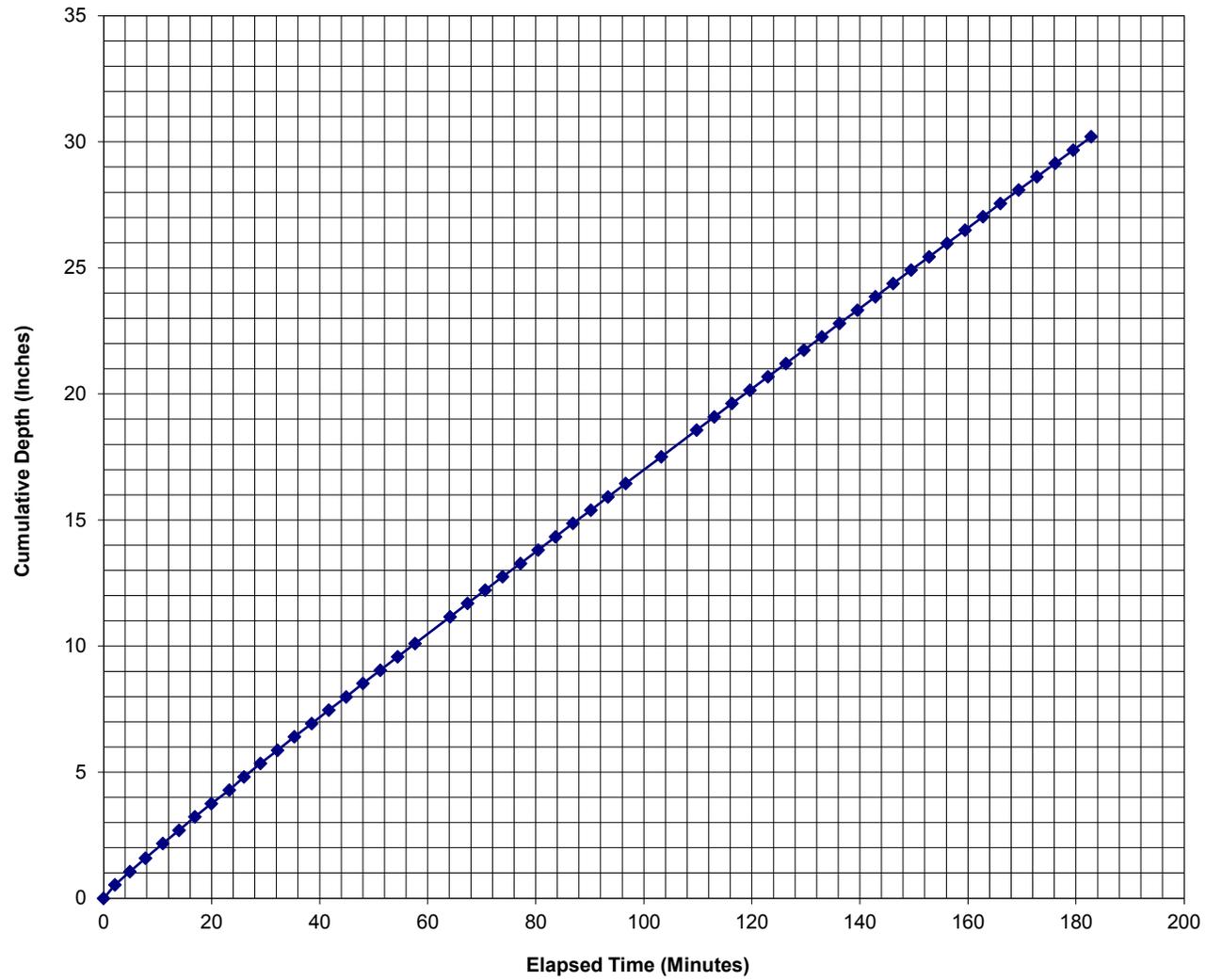
**Double Ring Infiltrometer  
Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-8	Project:	Mountaire Farms	Test Designation:	DR-8
W.O.:	4940d	Test Location:	TP-8	W.O.:	4940d	Test Location:	TP-8
Date:	9/19/2019	Inner Ring Dia. (ft):	1.01	Date:	9/19/2019	Inner Ring Dia. (ft):	1.01
		Outer Ring Dia. (ft):	2.03			Outer Ring Dia. (ft):	2.03
		Inner Ring Area (sqin):	115.37	Test K V =	1.17057		
		Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
Soil Series:		Water Temp. (F):	62.83				
Test Depth:	60 inches						

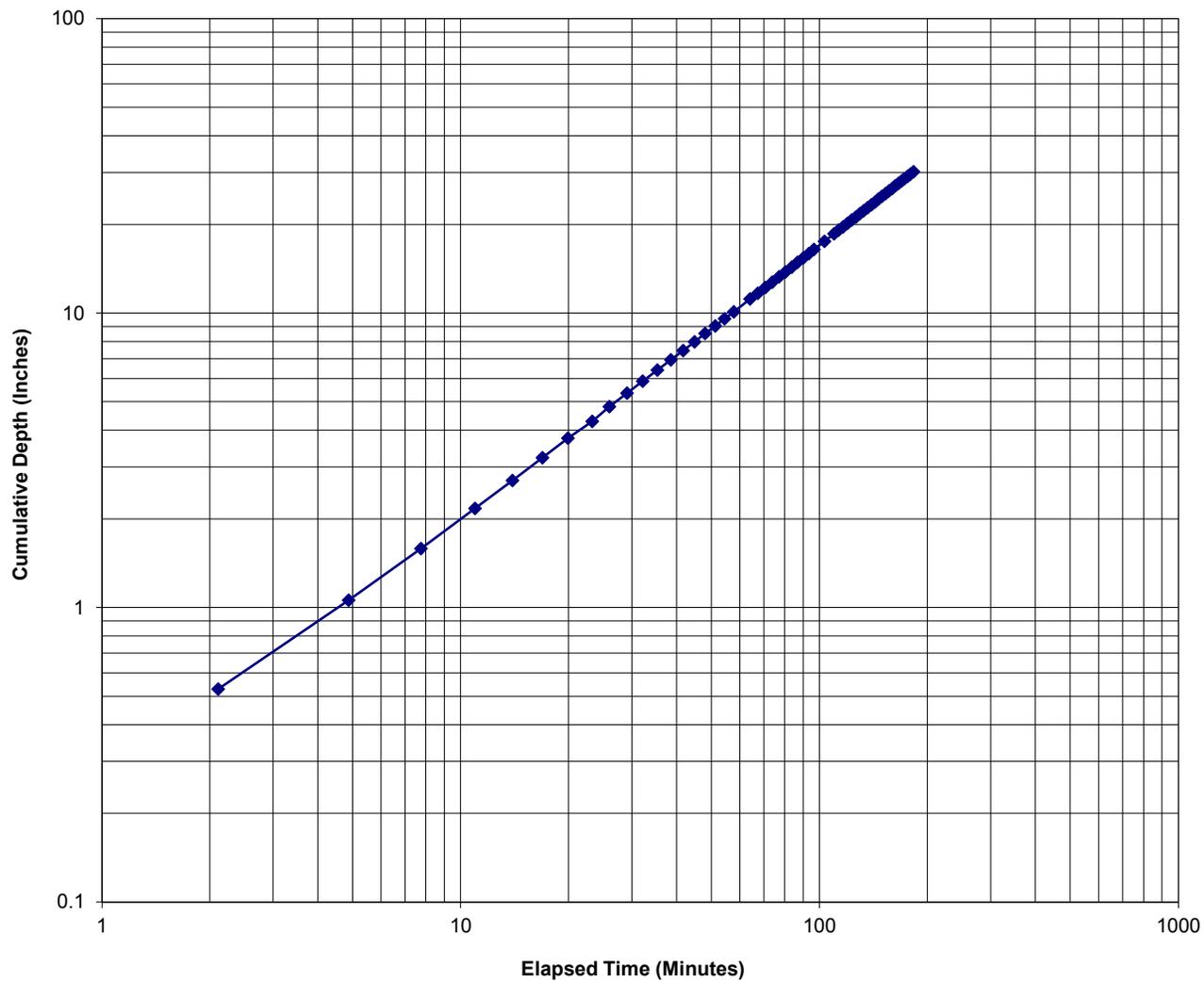
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)			
															m-1	m	b	bm
			0			0			0						182.79	Rate	9.02	
															-0.07485	R^2	0.999612	
															0.925155			
															0.240037			
															0.22207			
1	0.00	2.11	2.11	3700	2700	473.93	14.47	60	2.11	0.5289043	0.324282	-0.27662	1.223909	15.13				12.60
2	2.11	4.87	2.76	2700	1700	362.32	11.06	60	4.87	1.0578086	0.687529	0.024407	1.223909	11.56				11.84
3	4.87	7.75	2.88	1700	700	347.22	10.60	60	7.75	1.5867128	0.889302	0.200498	1.223909	11.08				11.43
4	8.81	12.02	3.21	3700	2600	342.68	10.46	60	10.96	2.1685076	1.039811	0.336161	1.223909	10.94				11.14
5	12.02	15.00	2.98	2600	1600	335.57	10.24	60	13.94	2.6974118	1.144263	0.430947	1.223909	10.71				10.94
6	15.00	17.96	2.96	1600	600	337.84	10.31	60	16.9	3.2263161	1.227887	0.508707	1.223909	10.78				10.78
7	18.77	21.80	3.03	3700	2700	330.03	10.07	60	19.93	3.7552204	1.299507	0.574635	1.223909	10.53				10.65
8	21.80	25.13	3.33	2700	1700	300.30	9.17	60	23.26	4.2841247	1.36661	0.631862	1.223909	9.58				10.53
9	25.13	27.86	2.73	1700	700	366.30	11.18	60	25.99	4.813029	1.414806	0.682418	1.223909	11.69				10.44
10	28.87	31.95	3.08	3700	2700	324.68	9.91	60	29.07	5.3419332	1.463445	0.727698	1.223909	10.36				10.35
11	31.95	35.06	3.11	2700	1700	321.54	9.81	60	32.18	5.8708375	1.507586	0.7687	1.223909	10.26				10.28
12	35.06	38.21	3.15	1700	700	317.46	9.69	60	35.33	6.3997418	1.548144	0.806162	1.223909	10.13				10.20
13	39.24	42.43	3.19	3700	2700	313.48	9.57	60	38.52	6.9286461	1.585686	0.840648	1.223909	10.00				10.14
14	42.43	45.59	3.16	2700	1700	316.46	9.66	60	41.68	7.4575504	1.619928	0.872596	1.223909	10.10				10.08
15	45.59	48.79	3.2	1700	700	312.50	9.54	60	44.88	7.9864546	1.652053	0.902354	1.223909	9.97				10.02
16	49.96	53.09	3.13	3700	2700	319.49	9.75	60	48.01	8.5153589	1.681332	0.930203	1.223909	10.20				9.97
17	53.09	56.31	3.22	2700	1700	310.56	9.48	60	51.23	9.0442632	1.709524	0.956373	1.223909	9.91				9.92
18	56.31	59.50	3.19	1700	700	313.48	9.57	60	54.42	9.5731675	1.735759	0.981056	1.223909	10.00				9.88
19	60.49	63.75	3.26	3700	2700	306.75	9.36	64	57.68	10.102072	1.761025	1.00441	1.149288	9.19				9.84
20	63.75	70.19	6.44	2700	700	310.56	9.48	64	64.12	11.15988	1.806994	1.04766	1.149288	9.31				9.76
21	71.89	75.15	3.26	3700	2700	306.75	9.36	64	67.38	11.688785	1.828531	1.067769	1.149288	9.19				9.72
22	75.15	78.40	3.25	2700	1700	307.69	9.39	62	70.63	12.217689	1.848989	1.086989	1.186012	9.52				9.69
23	78.40	81.59	3.19	1700	700	313.48	9.57	62	73.82	12.746593	1.868174	1.105394	1.186012	9.69				9.66
24	82.81	86.14	3.33	3700	2700	300.30	9.17	62	77.15	13.275497	1.887336	1.123051	1.186012	9.29				9.62
25	86.14	89.41	3.27	2700	1700	305.81	9.33	62	80.42	13.804402	1.905364	1.140018	1.186012	9.46				9.59
26	89.41	92.65	3.24	1700	700	308.64	9.42	62	83.66	14.333306	1.922518	1.156346	1.186012	9.55				9.57
27	94.02	97.25	3.23	3700	2700	309.60	9.45	62	86.89	14.86221	1.93897	1.172083	1.186012	9.57				9.54
28	97.25	100.55	3.3	2700	1700	303.03	9.25	62	90.19	15.391115	1.955158	1.18727	1.186012	9.37				9.51
29	100.55	103.75	3.2	1700	700	312.50	9.54	62	93.39	15.920019	1.9703	1.201944	1.186012	9.66				9.49
30	104.95	108.18	3.23	3700	2700	309.60	9.45	62	96.62	16.448923	1.985067	1.216137	1.186012	9.57				9.46
31	108.18	114.77	6.59	2700	700	303.49	9.26	62	103.21	17.506732	2.013722	1.243205	1.186012	9.39				9.42
32	116.37	122.95	6.58	3700	1700	303.95	9.28	64	109.79	18.56454	2.040563	1.268684	1.149288	9.11				9.37
33	122.95	126.22	3.27	1700	700	305.81	9.33	64	113.06	19.093445	2.053309	1.280884	1.149288	9.16				9.35
34	127.41	130.69	3.28	3700	2700	304.88	9.31	64	116.34	19.622349	2.065729	1.292751	1.149288	9.14				9.33
35	130.69	134.01	3.32	2700	1700	301.20	9.19	64	119.66	20.151253	2.077949	1.304302	1.149288	9.03				9.31
36	134.01	137.32	3.31	1700	700	302.11	9.22	64	122.97	20.680157	2.089799	1.315554	1.149288	9.05				9.29
37	138.58	141.89	3.31	3700	2700	302.11	9.22	64	126.28	21.209062	2.101335	1.326521	1.149288	9.05				9.28
38	141.89	145.24	3.35	2700	1700	298.51	9.11	65	129.63	21.737966	2.112706	1.337219	1.131355	8.81				9.26
39	145.24	148.57	3.33	1700	700	300.30	9.17	65	132.96	22.26687	2.123721	1.347659	1.131355	8.86				9.24
40	149.71	152.97	3.26	3700	2700	306.75	9.36	65	136.22	22.795775	2.134241	1.357854	1.131355	9.05				9.22
41	152.97	156.32	3.35	2700	1700	298.51	9.11	65	139.57	23.324679	2.144792	1.367816	1.131355	8.81				9.21
42	156.32	159.64	3.32	1700	700	301.20	9.19	65	142.89	23.853583	2.155002	1.377554	1.131355	8.89				9.19
43	160.75	164.00	3.25	3700	2700	307.69	9.39	66	146.14	24.382487	2.164769	1.387078	1.113702	8.94				9.18
44	164.00	167.32	3.32	2700	1700	301.20	9.19	66	149.46	24.911392	2.174525	1.396398	1.113702	8.75				9.16
45	167.32	170.69	3.37	1700	700	296.74	9.06	66	152.83	25.440296	2.184209	1.405522	1.113702	8.62				9.14
46	172.07	175.35	3.28	3700	2700	304.88	9.31	66	156.11	25.9692	2.193431	1.414459	1.113702	8.85				9.13
47	175.35	178.70	3.35	2700	1700	298.51	9.11	66	159.46	26.498104	2.202652	1.423215	1.113702	8.67				9.12
48	178.70	182.02	3.32	1700	700	301.20	9.19	66	162.78	27.027009	2.211601	1.431798	1.113702	8.75				9.10
49	183.12	186.34	3.22	3700	2700	310.56	9.48	66	166	27.555913	2.220108	1.440215	1.113702	9.02				9.09
50	186.34	189.73	3.39	2700	1700	294.99	9.00	66	169.39	28.084817	2.228888	1.448472	1.113702	8.57				9.07
51	189.73	193.12	3.39	1700	700	294.99	9.00	66	172.78	28.613722	2.237493	1.456574	1.113702	8.57				9.06
52	197.71	201.10	3.39	3700	2700	294.99	9.00	66	176.17	29.142626	2.245932	1.464529	1.113702	8.57				9.05
53	201.10	204.43	3.33	2700	1700	300.30	9.17	66	179.5	29.67153	2.254064	1.47234	1.113702	8.72				9.04
54	204.43	207.72	3.29	1700	700	303.95	9.28	66	182.79	30.200434	2.2							

**Mountaire Farms of Delaware  
Infiltrometer Test DR-8**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-8**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-8  
 Test Location: TP- 8  
 W.O.: 4940d Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Date: 9/19/2019 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series:  
 Test Depth: 60 inches Water Temp. (F): 63.00

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-8  
 W.O.: 4940d Test Location: TP- 8  
 Date: 9/19/2019  
 Test K V = 1.167506  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
			0			0			0	0					m-1	16.22
															m	0.999782
															b	
															bm	
1	0.00	27.50	27.5	52.5	40	0.45	17.23	60	27.5	8.2336907	1.439333	0.915595	1.223909	18.07		17.44
2	27.50	49.96	22.46	40	30	0.45	16.88	60	49.96	14.820643	1.698622	1.170867	1.223909	17.70		17.07
3	52.50	75.15	22.65	50	40	0.44	16.74	62	72.61	21.407596	1.860996	1.330568	1.186012	17.00		16.84
4	75.15	89.41	14.26	40	34.5	0.39	14.62	62	86.87	25.03042	1.93887	1.398468	1.186012	14.86		16.73
5	89.41	100.55	11.14	34.5	30	0.40	15.32	62	98.01	27.994548	1.99127	1.447073	1.186012	15.56		16.66
6	100.55	134.01	33.46	30	15.5	0.43	16.43	62	131.47	37.54563	2.118827	1.574559	1.186012	16.69		16.48
7	134.01	145.24	11.23	15.5	11	0.40	15.19	65	142.7	40.509758	2.154424	1.60756	1.131355	14.72		16.43
8	146.50	164.00	17.5	30	22.5	0.43	16.25	65	160.2	45.449973	2.204663	1.657534	1.131355	15.75		16.36
9	164.00	186.34	22.34	22.5	12.5	0.45	16.97	66	182.54	52.036925	2.261358	1.716312	1.113702	16.19		16.29
10	186.34	207.72	21.38	12.5	6	0.30	11.53	66	203.92	56.318444	2.30946	1.750651	1.113702	11.00		16.22

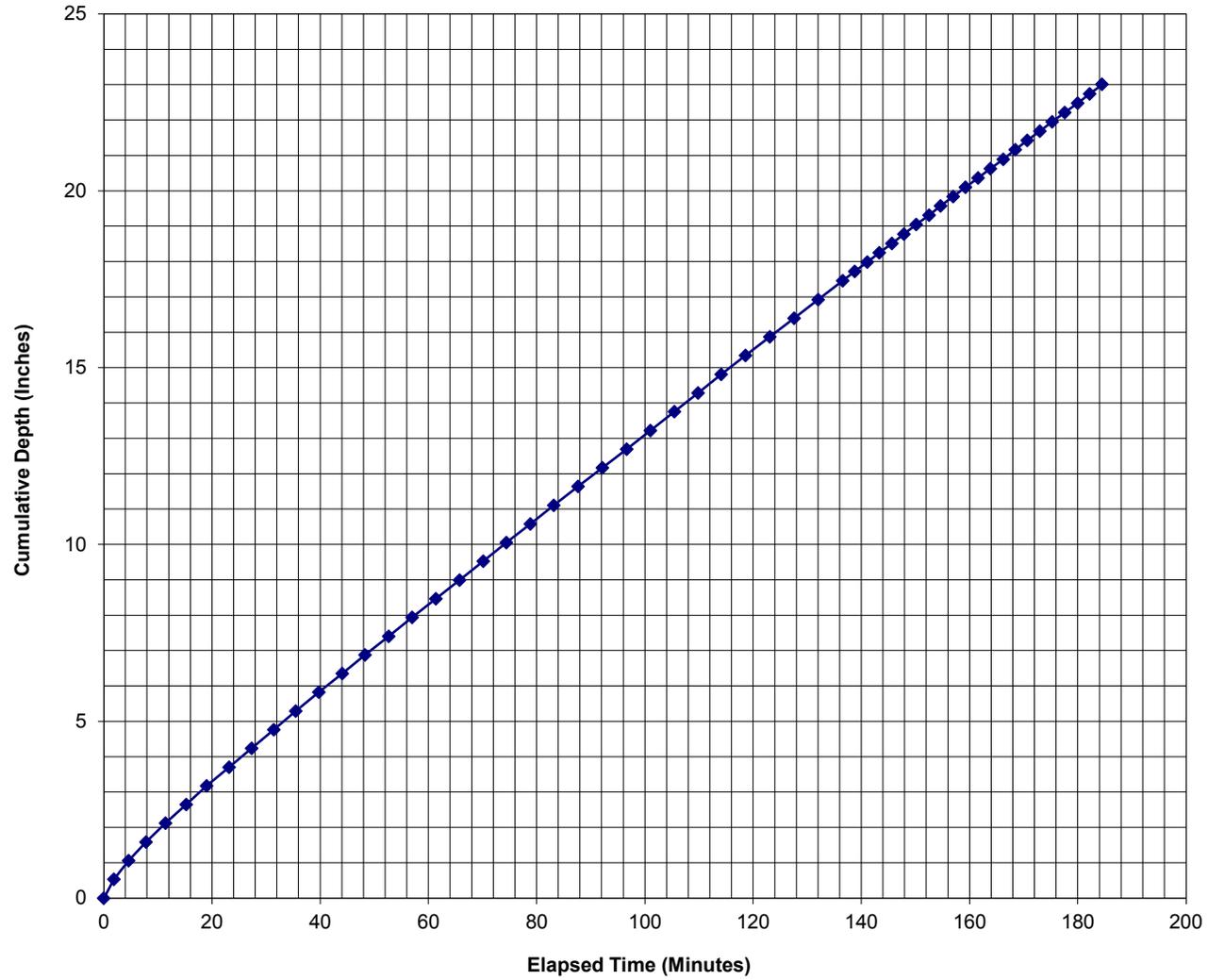
**Double Ring Infiltrometer  
Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-9	Project:	Mountaire Farms	Test Designation:	DR-9
W.O.:	4940d	Test Location:	TP-9	W.O.:	4940d	Test Location:	TP-9
Date:	9/19/2019	Inner Ring Dia. (ft):	1.01	Date:	9/19/2019	Inner Ring Dia. (ft):	1.01
		Outer Ring Dia. (ft):	2.03			Outer Ring Dia. (ft):	2.03
		Inner Ring Area (sqin):	115.37	Test K V =	1.115		
		Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
Soil Series:		Water Temp. (F):	65.93				
Test Depth:	42 inches						

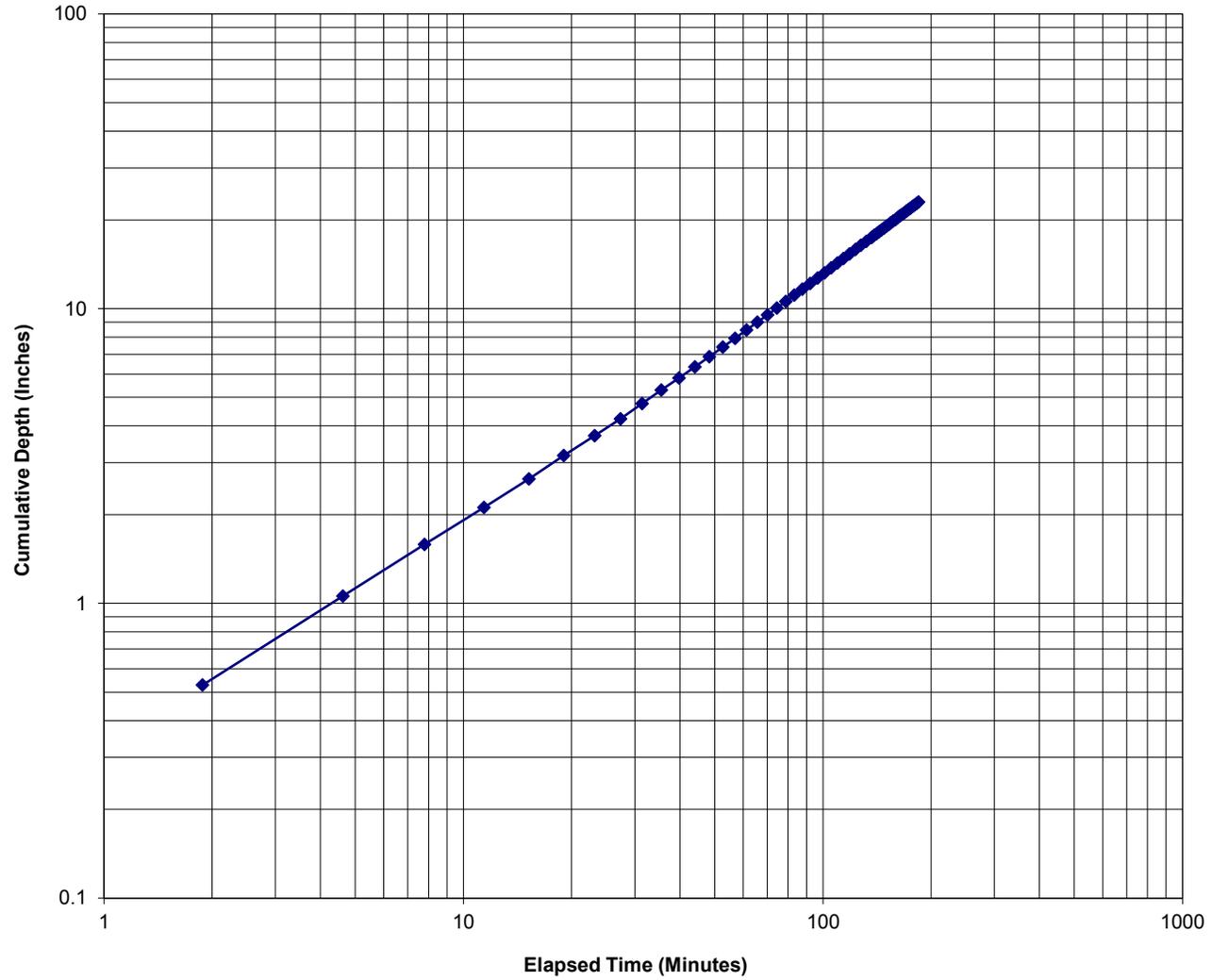
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate	
																m-1	m
			0			0			0						184.49	6.11	
															-0.15568		
															0.844323		
															0.271904		
															0.22958		
1	0.00	1.88	1.88	3500	2500	531.91	15.47	63	0	0.5289043	0.274158	-0.27662	1.167506	16.19			12.49
2	1.88	4.62	2.74	2500	1500	364.96	10.61	63	4.62	1.0578086	0.664642	0.024407	1.167506	11.11			10.85
3	4.62	7.80	3.18	1500	500	314.47	9.14	63	7.80	1.5867128	0.892095	0.200498	1.167506	9.57			10.00
4	9.33	12.94	3.61	3500	2500	277.01	8.05	63	11.41	2.1156171	1.057286	0.325437	1.167506	8.43			9.43
5	12.94	16.75	3.81	2500	1500	262.47	7.63	63	15.22	2.6445214	1.182415	0.422347	1.167506	7.99			9.02
6	16.75	20.55	3.8	1500	500	263.16	7.65	63	19.02	3.1734257	1.279211	0.501528	1.167506	8.01			8.71
7	21.56	25.72	4.16	3500	2500	240.38	6.99	63	23.18	3.70233	1.365113	0.568475	1.167506	7.32			8.44
8	25.72	29.88	4.16	2500	1500	240.38	6.99	63	27.34	4.2312342	1.436799	0.626467	1.167506	7.32			8.23
9	29.88	33.97	4.09	1500	500	244.50	7.11	63	31.43	4.7601385	1.497344	0.67762	1.167506	7.44			8.05
10	35.16	39.22	4.06	3700	2700	246.31	7.16	63	35.49	5.2890428	1.550106	0.723377	1.167506	7.50			7.90
11	39.22	43.48	4.26	2700	1700	234.74	6.83	63	39.75	5.8179471	1.599337	0.76477	1.167506	7.15			7.76
12	43.48	47.78	4.3	1700	700	232.56	6.76	63	44.05	6.3468514	1.643946	0.802558	1.167506	7.08			7.64
13	49.19	53.44	4.25	3700	2700	235.29	6.84	63	48.3	6.8757557	1.683947	0.83732	1.167506	7.16			7.53
14	53.44	57.82	4.38	2700	1700	228.31	6.64	63	52.68	7.4046599	1.721646	0.869505	1.167506	6.95			7.43
15	57.82	62.15	4.33	1700	700	230.95	6.71	63	57.01	7.9335642	1.755951	0.899468	1.167506	7.03			7.34
16	63.36	67.71	4.35	3700	2700	229.89	6.68	63	61.36	8.4624685	1.787885	0.927497	1.167506	7.00			7.26
17	67.71	72.10	4.39	2700	1700	227.79	6.62	63	65.75	8.9913728	1.817896	0.953826	1.167506	6.93			7.18
18	72.10	76.47	4.37	1700	700	228.83	6.65	63	70.12	9.5202771	1.845842	0.97865	1.167506	6.97			7.11
19	77.99	82.28	4.29	3700	2700	233.10	6.78	65	74.41	10.049181	1.871631	1.002131	1.131355	6.88			7.04
20	82.28	86.69	4.41	2700	1700	226.76	6.59	65	78.82	10.578086	1.896636	1.024407	1.131355	6.69			6.98
21	86.69	91.06	4.37	1700	700	228.83	6.65	65	83.19	11.10699	1.920071	1.045596	1.131355	6.75			6.92
22	92.16	96.61	4.45	3700	2700	224.72	6.53	65	87.64	11.635894	1.942702	1.0658	1.131355	6.63			6.87
23	96.61	101.09	4.48	2700	1700	223.21	6.49	65	92.12	12.164798	1.964354	1.085105	1.131355	6.59			6.81
24	101.09	105.60	4.51	1700	700	221.73	6.45	65	96.63	12.693703	1.985112	1.103588	1.131355	6.54			6.76
25	107.19	111.55	4.36	3700	2700	229.36	6.67	65	100.99	13.222607	2.004278	1.121317	1.131355	6.77			6.72
26	111.55	115.99	4.44	2700	1700	225.23	6.55	65	105.43	13.751511	2.022964	1.13835	1.131355	6.64			6.67
27	115.99	120.38	4.39	1700	700	227.79	6.62	65	109.82	14.280416	2.040681	1.154741	1.131355	6.72			6.63
28	121.80	126.08	4.28	3700	2700	233.64	6.79	65	114.1	14.80932	2.057286	1.170535	1.131355	6.89			6.59
29	126.08	130.58	4.5	2700	1700	222.22	6.46	65	118.6	15.338224	2.074085	1.185775	1.131355	6.56			6.55
30	130.58	135.06	4.48	1700	700	223.21	6.49	65	123.08	15.867128	2.090187	1.200498	1.131355	6.59			6.51
31	136.46	140.93	4.47	3700	2700	223.71	6.50	68	127.55	16.396033	2.10568	1.214739	1.079218	6.30			6.48
32	140.93	145.39	4.46	2700	1700	224.22	6.52	68	132.01	16.924937	2.120607	1.228527	1.079218	6.31			6.44
33	145.39	149.92	4.53	1700	700	220.75	6.42	68	136.54	17.453841	2.13526	1.241891	1.079218	6.21			6.41
34	151.67	153.90	2.23	3700	3200	224.22	6.52	68	138.77	17.718293	2.142296	1.248422	1.079218	6.31			6.39
35	153.90	156.22	2.32	3200	2700	215.52	6.27	68	141.09	17.982746	2.149496	1.254856	1.079218	6.06			6.37
36	156.22	158.45	2.23	2700	2200	224.22	6.52	68	143.32	18.247198	2.156307	1.261196	1.079218	6.31			6.36
37	158.45	160.76	2.31	2200	1700	216.45	6.29	68	145.63	18.51165	2.163251	1.267445	1.079218	6.09			6.34
38	160.76	163.00	2.24	1700	1200	223.21	6.49	68	147.87	18.776102	2.16988	1.273605	1.079218	6.28			6.33
39	163.00	165.29	2.29	1200	700	218.34	6.35	68	150.16	19.040554	2.176554	1.27968	1.079218	6.14			6.31
40	165.29	167.65	2.36	700	200	211.86	6.16	68	152.52	19.305006	2.183327	1.28567	1.079218	5.96			6.30
41	168.77	170.90	2.13	3700	3200	234.74	6.83	68	154.65	19.569458	2.18935	1.291579	1.079218	6.61			6.28
42	170.90	173.20	2.3	3200	2700	217.39	6.32	68	156.95	19.833911	2.195761	1.297408	1.079218	6.12			6.27
43	173.20	175.51	2.31	2700	2200	216.45	6.29	68	159.26	20.098363	2.202107	1.303161	1.079218	6.09			6.26
44	175.51	177.81	2.3	2200	1700	217.39	6.32	68	161.56	20.362815	2.208334	1.308838	1.079218	6.12			6.24
45	177.81	180.10	2.29	1700	1200	218.34	6.35	68	163.85	20.627267	2.214446	1.314442	1.079218	6.14			6.23
46	180.10	182.49	2.39	1200	700	209.21	6.08	68	166.24	20.891719	2.220736	1.319974	1.079218	5.89			6.21
47	182.49	184.68	2.19	700	200	228.31	6.64	68	168.43	21.156171	2.226419	1.325437	1.079218	6.42			6.20
48	185.95	188.16	2.21	3700	3200	226.24	6.58	70	170.64	21.420623	2.232081	1.330832	1.045801	6.17			6.19
49	188.16	190.52	2.36	3200	2700	211.86	6.16	70	173	21.685076	2.238046	1.336161	1.045801	5.78			6.18
50	190.52	192.79	2.27	2700	2200	220.26	6.40	70	175.27	21.949528	2.243708	1.341425	1.045801	6.01			6.16
51	192.79	195.13	2.34	2200	1700	213.68	6.21	70	177.61	22.21398	2.249467	1.346626	1.045801	5.83			6.15
52	195.13	197.47	2.34	1700	1200	213.68	6.21	70	179.95	22.478432	2.255152	1.351766	1.045801	5.83			6.14
53	197.47	199.72	2.25	1200	700	222.22	6.46	70	182.2	22.742884	2.260548	1.356846	1.045801	6.06			6.13
54	199.72	202.01	2.29	700	200	218.34	6.35	70	184.49	23.007336	2.265973	1.361866	1.045801	5.95			6.11

**Mountaire Farms of Delaware  
Infiltrometer Test DR-9**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-9**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-9	Project:	Mountaire Farms	Test Designation:	DR-9
		Test Location:	TP-9	W.O.:	4940d	Test Location:	TP-9
W.O.:	4940d	Inner Ring Dia. (ft):	1.01	Date:	9/19/2019		
		Outer Ring Dia. (ft):	2.03				
Date:	9/19/2019	Inner Ring Area (sqin):	115.37	Test K V =	1.096324		
Soil Series:		Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
Test Depth:	42 inches	Water Temp. (F):	67.00				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	m-1	m	b	bm	Rate	R^2
			0			0			0	0					202.01	-0.13313	0.866872	0.203412	0.17633	5.22	0.998487
1	0.00	123.00	123	50	30	0.16	5.79	63	123	13.173905	2.089905	1.119715	1.167506	6.16							5.58
2	123.00	194.00	71	30	20	0.14	5.01	68	194	19.760858	2.287802	1.295806	1.079218	4.94							5.25
3	194.00	202.01	8.01	20	19.5	0.06	2.22	70	202.01	20.090205	2.305373	1.302984	1.045801	2.12							5.22

Double Ring Infiltrometer

Test Results

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 9/19/2019  
 Soil Series:  
 Test Depth: 45 inches

Test Designation: DR-10  
 Test Location: TP-10  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 67.43

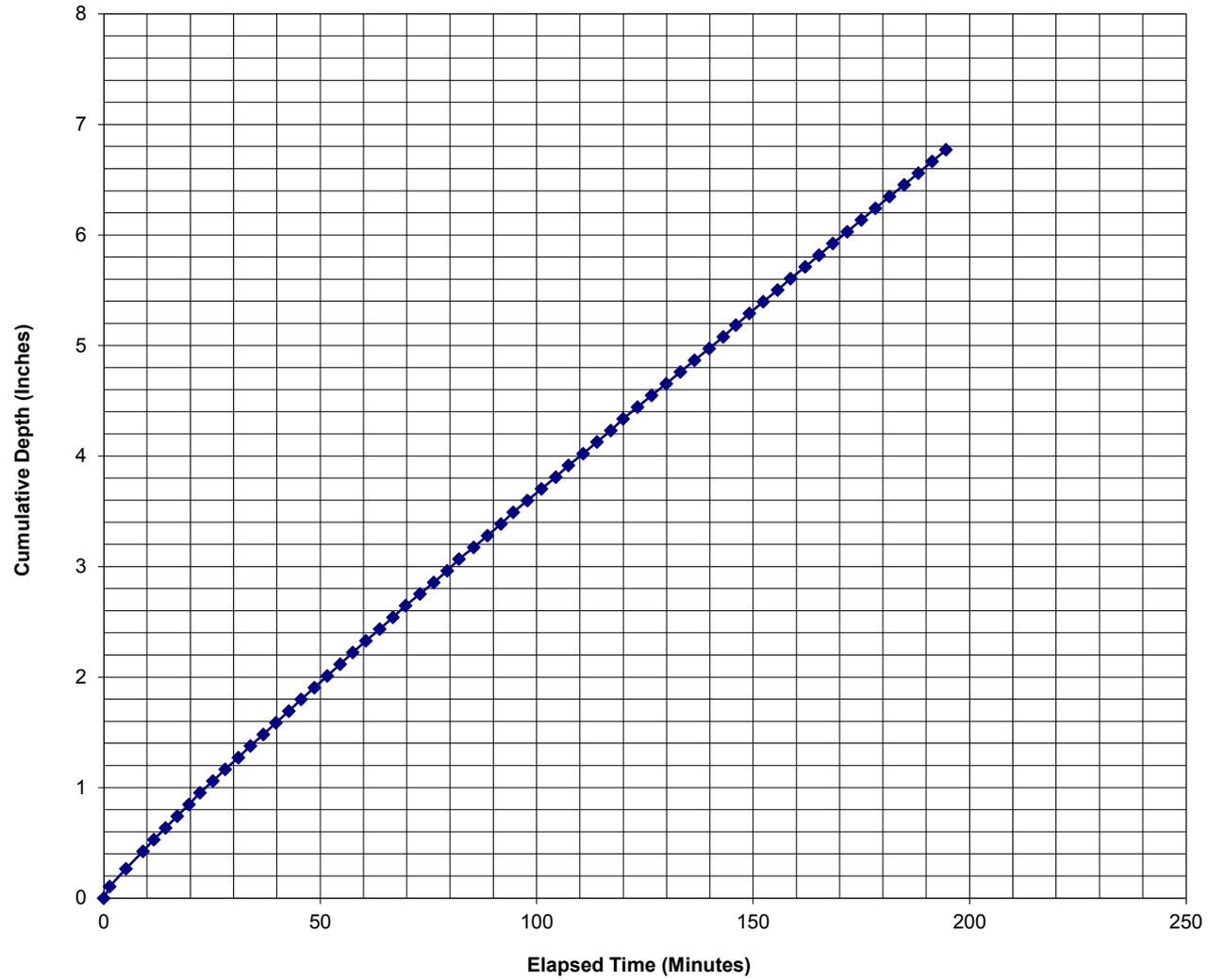
Double Ring Infiltrometer

Test Results

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 9/19/2019  
 Test K V = 1.08896  
 K V @ 60 = 1.217

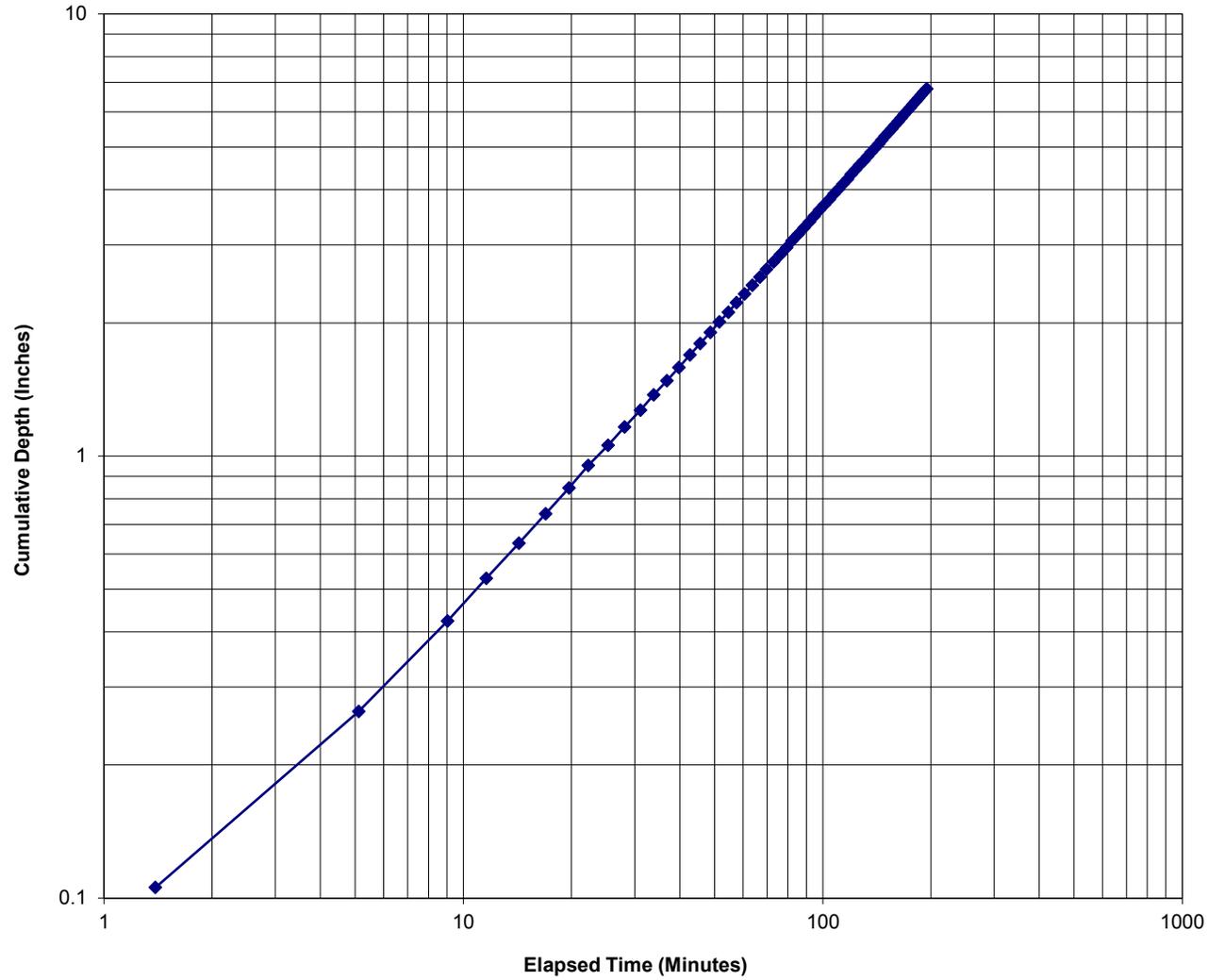
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	m-1	Rate	1.79
1	0.00	1.39	1.39	950	750	143.88	4.09	64	0	0	0.1057809	0.143015	-0.97559	1.149288	194.53	-0.11883	0.998426	3.22
2	1.39	5.12	3.73	750	450	80.43	2.28	64	5.12	0.2844521	0.70927	-0.57765	1.149288	0.881170	0.063398	0.05586	2.76	
3	5.12	9.04	3.92	450	150	76.53	2.17	64	9.04	0.4231234	0.956168	-0.37353	1.149288	0.063398	0.05586	0.05586	2.58	
4	9.04	12.39	2.55	950	750	78.43	2.23	64	11.59	0.5289043	1.064083	-0.27662	1.149288	0.063398	0.05586	0.05586	2.35	
5	12.39	15.08	2.69	750	550	74.35	2.11	64	14.28	0.6346851	1.154728	-0.19744	1.149288	0.063398	0.05586	0.05586	2.23	
6	15.08	17.74	2.66	550	350	75.19	2.14	64	16.94	0.740466	1.228913	-0.13049	1.149288	0.063398	0.05586	0.05586	2.25	
7	17.74	20.48	2.74	350	150	72.99	2.07	64	19.68	0.8462468	1.294025	-0.0725	1.149288	0.063398	0.05586	0.05586	2.19	
8	21.25	23.81	2.56	1000	800	78.13	2.22	64	22.24	0.9520277	1.347135	-0.02135	1.149288	0.063398	0.05586	0.05586	2.34	
9	23.81	26.82	3.01	800	600	66.45	1.89	64	25.25	1.0578086	1.402261	0.024407	1.149288	0.063398	0.05586	0.05586	1.99	
10	26.82	29.65	2.83	600	400	70.67	2.01	64	28.08	1.1635894	1.448397	0.0658	1.149288	0.063398	0.05586	0.05586	2.12	
11	29.65	32.67	3.02	400	200	66.23	1.88	64	31.1	1.2693703	1.49276	0.103588	1.149288	0.063398	0.05586	0.05586	1.98	
12	33.25	36.03	2.78	1000	800	71.94	2.04	64	33.88	1.3751511	1.529943	0.13835	1.149288	0.063398	0.05586	0.05586	2.16	
13	36.03	38.98	2.95	800	600	67.80	1.93	64	36.83	1.480932	1.566202	0.170535	1.149288	0.063398	0.05586	0.05586	2.03	
14	38.98	41.95	2.97	600	400	67.34	1.91	64	39.8	1.5867128	1.599883	0.200498	1.149288	0.063398	0.05586	0.05586	2.02	
15	41.95	44.87	2.92	400	200	68.49	1.94	64	42.72	1.6924937	1.630631	0.228527	1.149288	0.063398	0.05586	0.05586	2.05	
16	45.54	48.41	2.87	1000	800	69.69	1.98	64	45.59	1.7982746	1.65887	0.254856	1.149288	0.063398	0.05586	0.05586	2.09	
17	48.41	51.46	3.05	800	600	65.57	1.86	64	48.64	1.9040554	1.686994	0.27968	1.149288	0.063398	0.05586	0.05586	1.97	
18	51.46	54.43	2.97	600	400	67.34	1.91	64	51.61	2.0098363	1.712734	0.303161	1.149288	0.063398	0.05586	0.05586	2.02	
19	54.43	57.45	3.02	400	200	66.23	1.88	64	54.63	2.1156171	1.737431	0.325437	1.149288	0.063398	0.05586	0.05586	1.98	
20	57.96	60.85	2.89	1000	800	69.20	1.97	64	57.52	2.221398	1.759819	0.346626	1.149288	0.063398	0.05586	0.05586	2.07	
21	60.85	63.88	3.03	800	600	66.01	1.87	64	60.55	2.3271788	1.782114	0.36683	1.149288	0.063398	0.05586	0.05586	1.98	
22	63.88	67.09	3.21	600	400	62.31	1.77	64	63.76	2.4329597	1.804548	0.386135	1.149288	0.063398	0.05586	0.05586	1.87	
23	67.09	70.11	3.02	400	200	68.23	1.88	68	66.78	2.5387405	1.824646	0.404618	1.079218	0.063398	0.05586	0.05586	1.86	
24	70.98	73.88	2.9	1000	800	69.87	1.96	68	69.68	2.6445214	1.843108	0.422347	1.079218	0.063398	0.05586	0.05586	1.94	
25	73.88	77.22	3.34	800	600	59.88	1.70	68	73.02	2.7503023	1.863442	0.43938	1.079218	0.063398	0.05586	0.05586	1.69	
26	77.22	80.41	3.19	600	400	62.70	1.78	68	76.21	2.8560831	1.882012	0.455771	1.079218	0.063398	0.05586	0.05586	1.76	
27	80.41	83.54	3.13	400	200	63.90	1.81	68	79.34	2.961864	1.899492	0.471565	1.079218	0.063398	0.05586	0.05586	1.80	
28	84.61	87.35	2.74	1000	800	72.99	2.07	68	82.08	3.0676448	1.914237	0.486805	1.079218	0.063398	0.05586	0.05586	2.05	
29	87.35	90.72	3.37	800	600	59.35	1.69	68	85.45	3.1734257	1.931712	0.501528	1.079218	0.063398	0.05586	0.05586	1.67	
30	90.72	93.89	3.17	600	400	63.09	1.79	68	88.62	3.2792065	1.947532	0.515769	1.079218	0.063398	0.05586	0.05586	1.78	
31	93.89	97.02	3.13	400	200	63.90	1.81	68	91.75	3.3849874	1.962606	0.529557	1.079218	0.063398	0.05586	0.05586	1.80	
32	97.98	100.81	2.83	1000	800	70.67	2.01	68	94.58	3.4907683	1.975799	0.542921	1.079218	0.063398	0.05586	0.05586	1.99	
33	100.81	104.11	3.3	800	600	60.61	1.72	68	97.88	3.5965491	1.990694	0.555886	1.079218	0.063398	0.05586	0.05586	1.71	
34	104.11	107.36	3.25	600	400	61.54	1.75	68	101.13	3.70233	2.00488	0.568475	1.079218	0.063398	0.05586	0.05586	1.73	
35	107.36	110.68	3.32	400	200	60.24	1.71	68	104.45	3.8081108	2.018908	0.58071	1.079218	0.063398	0.05586	0.05586	1.70	
36	111.86	114.78	2.92	1000	800	68.49	1.94	68	107.37	3.9138917	2.030883	0.592609	1.079218	0.063398	0.05586	0.05586	1.93	
37	114.78	118.18	3.4	800	600	58.82	1.67	68	110.77	4.0196725	2.044422	0.604191	1.079218	0.063398	0.05586	0.05586	1.66	
38	118.18	121.31	3.13	600	400	63.90	1.81	68	113.9	4.1254534	2.056524	0.615472	1.079218	0.063398	0.05586	0.05586	1.80	
39	121.31	124.53	3.22	400	200	62.11	1.76	68	117.12	4.2312342	2.068631	0.626467	1.079218	0.063398	0.05586	0.05586	1.75	
40	125.55	128.39	2.84	1000	800	70.42	2.00	68	119.96	4.3370151	2.079036	0.637191	1.079218	0.063398	0.05586	0.05586	1.98	
41	128.39	131.73	3.34	800	600	59.88	1.70	68	123.3	4.442796	2.090963	0.647656	1.079218	0.063398	0.05586	0.05586	1.69	
42	131.73	134.95	3.22	600	400	62.11	1.76	68	126.52	4.5485768	2.102159	0.657876	1.079218	0.063398	0.05586	0.05586	1.75	
43	134.95	138.38	3.43	400	200	58.31	1.66	68	129.95	4.6543577	2.113776	0.66786	1.079218	0.063398	0.05586	0.05586	1.64	
44	140.58	143.83	3.25	1000	800	61.54	1.75	68	133.2	4.7601385	2.124504	0.67762	1.079218	0.063398	0.05586	0.05586	1.73	
45	143.83	147.12	3.29	800	600	60.79	1.73	68	136.49	4.8659194	2.135101	0.687165	1.079218	0.063398	0.05586	0.05586	1.71	
46	147.12	150.48	3.36	600	400	59.52	1.69	68	139.85	4.9717002	2.145662	0.696505	1.079218	0.063398	0.05586	0.05586	1.68	
47	150.48	153.72	3.24	400	200	61.73	1.75	70	143.09	5.0774811	2.155609	0.705648	1.045801	0.063398	0.05586	0.05586	1.68	
48	156.15	159.05	2.9	1000	800	69.97	1.96	70	145.99	5.183262	2.164323	0.714603	1.045801	0.063398	0.05586	0.05586	1.85	
49	159.05	162.18	3.13	800	600	63.90	1.81	70	149.12	5.2890428	2.173536	0.723377	1.045801	0.063398	0.05586	0.05586	1.74	
50	162.18	165.41	3.23	600	400	61.92	1.76	70	152.35	5.3948237	2.182842	0.731977	1.045801	0.063398	0.05586	0.05586	1.69	
51	165.41	168.72	3.31	400	200	60.42	1.72	70	155.66	5.5006045	2.192177	0.74041	1.045801	0.063398	0.05586	0.05586	1.65	
52	170.05	173.06	3.01	1000	800	66.45	1.89	70	158.67	5.6063854	2.200495	0.748883	1.045801	0.063398	0.05586	0.05586	1.81	
53	173.06	176.44	3.38	800	600	59.17	1.68	70	162.05	5.7121662	2.209649	0.756801	1.045801	0.063398	0.05586	0.05586	1.61	
54	176.44	179.62	3.18	600	400	62.89	1.79	70	165.23	5.8179471	2.218089	0.76477	1.045801	0.063398	0.05586	0.05586	1.72	
55	179.62	182.78	3.16	400	200	63.29	1.80	72	168.39	5.9237279	2.226316	0.772595	1.013419	0.063398				

**Mountaire Farms of Delaware  
Infiltrometer Test DR-10**



**EARTH DATA INCORPORATED**

Mountaire Farms of Delaware  
Infiltrometer Test DR-10



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-10  
 Test Location: TP-10  
 W.O.: 4940d Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Date: 9/19/2019 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series:  
 Test Depth: 45 inches Water Temp. (F): 68.67

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-10  
 W.O.: 4940d Test Location: TP-10  
 Date: 9/19/2019  
 Test K V = 1.067962  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	m-1	m	b	bm	Rate	R^2
			0			0			0	0					204.07	-0.23984	0.760164	0.460095	0.34975	5.86	0.99977
1	0.00	69.00	69	50	32.5	0.25	8.80	64	69	11.527167	1.838849	1.061723	1.149288	9.47							7.60
2	69.00	142.00	73	32.5	20	0.17	5.94	70	142	19.760858	2.152288	1.295806	1.045801	5.82							6.39
3	142.00	204.07	62.07	20	10	0.16	5.59	72	204.07	26.34781	2.309779	1.420745	1.013419	5.30							5.86

**Double Ring Infiltrometer  
Test Results**

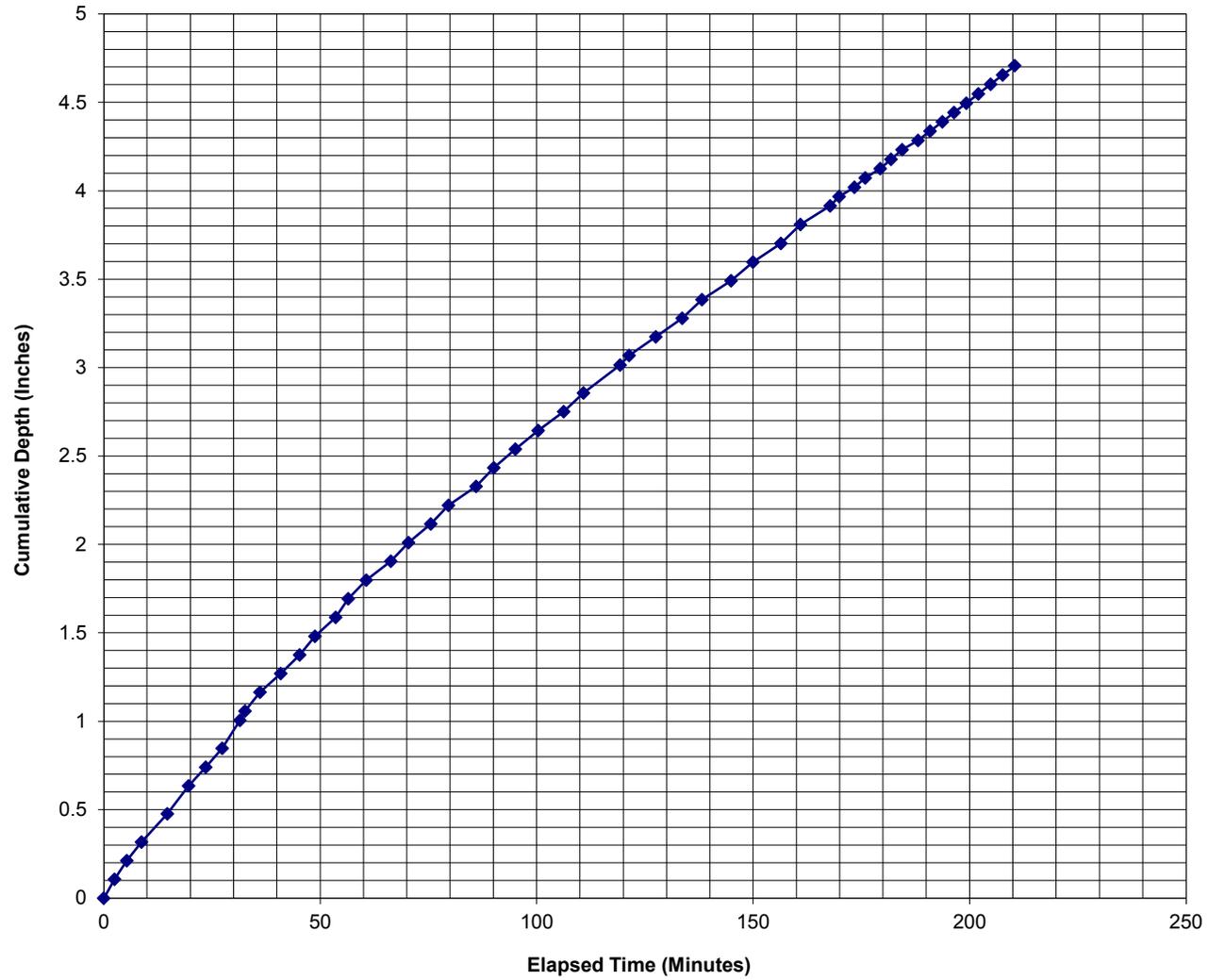
Project: **Mountaire Farms** Test Designation: **DR-11**  
 W.O.: **4940d** Test Location: **TP-11**  
 Date: **10/3/2019** Inner Ring Dia. (ft): **1.01**  
 Outer Ring Dia. (ft): **2.03**  
 Inner Ring Area (sqin): **115.37**  
 Outer Ring Area (sqin): **350.69**  
 Soil Series: **[redacted]**  
 Test Depth: **38 inches** Water Temp. (F): **71.00**

**Double Ring Infiltrometer  
Test Results**

Project: **Mountaire Farms** Test Designation: **DR-11**  
 W.O.: **4940d** Test Location: **TP-11**  
 Date: **10/3/2019** Inner Ring Dia. (ft): **1.01**  
 Outer Ring Dia. (ft): **2.03**  
 Inner Ring Area (sqin): **115.37**  
 Outer Ring Area (sqin): **350.69**  
 Test K V = **1.029483**  
 K V @ 60 = **1.217**

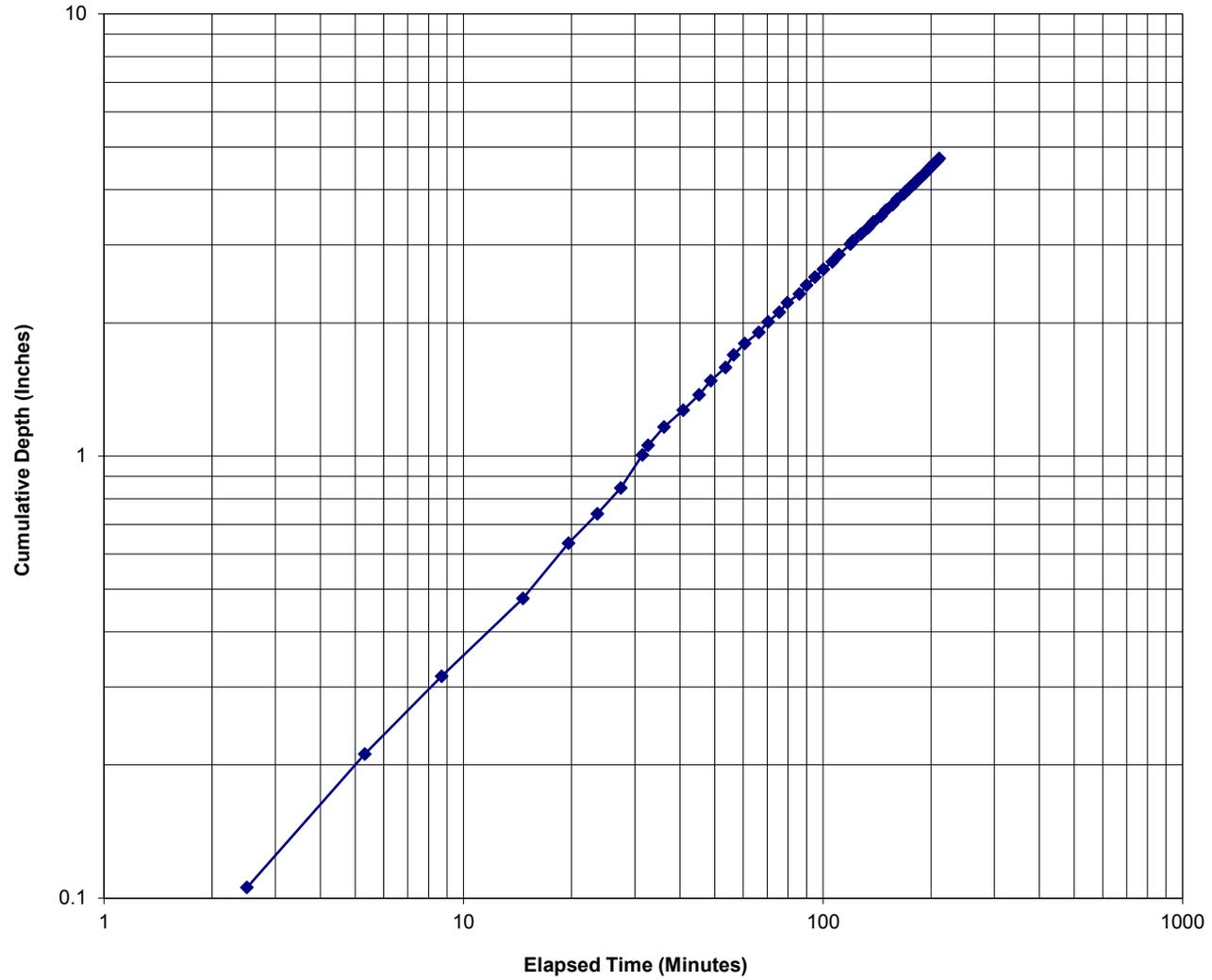
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	210.44	Rate	1.17
															m-1	-0.15557	R^2	0.998365
															m	0.844432		
															b	0.05286		
															bm	0.04464		
1	0.00	2.50	2.5	3400	3200	80.00	2.15	71	2.5	0.1057809	0.39794	-0.97559	1.029483	2.15			2.32	
2	2.50	5.32	2.82	3200	3000	70.92	1.90	71	5.32	0.2115617	0.725912	-0.67456	1.029483	1.90			2.06	
3	5.32	8.70	3.38	3000	2800	59.17	1.59	71	8.7	0.3173426	0.939519	-0.49847	1.029483	1.59			1.91	
4	11.46	17.41	5.95	3600	3300	50.42	1.35	71	14.65	0.4780139	1.165838	-0.32238	1.029483	1.35			1.76	
5	17.41	22.38	4.97	3300	3000	60.36	1.62	71	19.62	0.6346851	1.292699	-0.19744	1.029483	1.62			1.69	
6	22.38	26.32	3.94	3000	2800	50.76	1.36	71	23.56	0.740466	1.372175	-0.13049	1.029483	1.36			1.64	
7	26.32	30.15	3.83	2800	2600	52.22	1.40	71	27.39	0.8462468	1.437592	-0.0725	1.029483	1.40			1.60	
8	30.15	34.20	4.05	2600	2300	74.07	1.99	71	31.44	1.0049181	1.497483	0.002131	1.029483	1.99			1.57	
9	34.20	35.42	1.22	2300	2200	81.97	2.20	71	32.66	1.0578086	1.514016	0.024407	1.029483	2.20			1.56	
10	35.42	38.88	3.46	2200	2000	57.80	1.55	71	36.12	1.1635894	1.557748	0.0658	1.029483	1.55			1.53	
11	38.88	43.66	4.78	2000	1800	41.84	1.12	71	40.9	1.2693703	1.611723	0.103588	1.029483	1.12			1.50	
12	43.66	48.00	4.34	1800	1600	46.08	1.24	71	45.24	1.3751511	1.655523	0.13835	1.029483	1.24			1.48	
13	48.00	51.56	3.56	1600	1400	56.18	1.51	71	48.8	1.480932	1.68842	0.170535	1.029483	1.51			1.46	
14	51.56	56.32	4.76	1400	1200	42.02	1.13	71	53.56	1.5867128	1.728841	0.200498	1.029483	1.13			1.44	
15	56.32	59.22	2.9	1200	1000	68.97	1.85	71	56.46	1.6924937	1.751741	0.228527	1.029483	1.85			1.43	
16	59.22	63.37	4.15	1000	800	48.19	1.29	71	60.61	1.7982746	1.782544	0.254856	1.029483	1.29			1.41	
17	63.37	69.05	5.68	800	600	35.21	0.95	71	66.29	1.9040554	1.821448	0.27968	1.029483	0.95			1.39	
18	69.05	73.19	4.14	600	400	48.31	1.30	71	70.43	2.0098363	1.847758	0.303161	1.029483	1.30			1.38	
19	77.35	82.44	5.09	3400	3200	39.29	1.05	71	75.52	2.1156171	1.878062	0.325437	1.029483	1.05			1.37	
20	82.44	86.56	4.12	3200	3000	48.54	1.30	71	79.64	2.221398	1.901131	0.346626	1.029483	1.30			1.36	
21	86.56	92.95	6.39	3000	2800	31.30	0.84	71	86.03	2.3271788	1.93465	0.36683	1.029483	0.84			1.34	
22	92.95	97.03	4.08	2800	2600	49.02	1.32	71	90.11	2.4329597	1.954773	0.386135	1.029483	1.32			1.33	
23	97.03	101.99	4.96	2600	2400	40.32	1.08	71	95.07	2.5387405	1.978043	0.404618	1.029483	1.08			1.32	
24	101.99	107.24	5.25	2400	2200	38.10	1.02	71	100.32	2.6445214	2.001388	0.422347	1.029483	1.02			1.31	
25	107.24	113.17	5.93	2200	2000	33.73	0.91	71	106.25	2.7503023	2.026329	0.43938	1.029483	0.91			1.30	
26	113.17	117.72	4.55	2000	1800	43.96	1.18	71	110.8	2.8560831	2.04454	0.455771	1.029483	1.18			1.29	
27	117.72	126.19	8.47	1800	1500	35.42	0.95	71	119.27	3.0147544	2.076531	0.479252	1.029483	0.95			1.27	
28	126.19	128.29	2.1	1500	1400	47.62	1.28	71	121.37	3.0676448	2.084111	0.486805	1.029483	1.28			1.27	
29	128.29	134.44	6.15	1400	1200	32.52	0.87	71	127.52	3.1734257	2.105578	0.501528	1.029483	0.87			1.26	
30	134.44	140.57	6.13	1200	1000	32.63	0.88	71	133.65	3.2792065	2.125969	0.515769	1.029483	0.88			1.25	
31	140.57	145.10	4.53	1000	800	44.15	1.19	71	138.18	3.3849874	2.140445	0.529557	1.029483	1.19			1.24	
32	145.10	151.82	6.72	800	600	29.76	0.80	71	144.9	3.4907683	2.161068	0.542921	1.029483	0.80			1.23	
33	151.82	156.90	5.08	600	400	39.37	1.06	71	149.98	3.5965491	2.176033	0.555886	1.029483	1.06			1.23	
34	161.78	168.25	6.47	3600	3400	30.91	0.83	71	156.45	3.70233	2.194376	0.568475	1.029483	0.83			1.22	
35	168.25	172.74	4.49	3400	3200	44.54	1.20	71	160.94	3.8081108	2.206664	0.58071	1.029483	1.20			1.21	
36	172.74	179.59	6.85	3200	3000	29.20	0.78	71	167.79	3.9138917	2.224766	0.592609	1.029483	0.78			1.21	
37	179.59	181.70	2.11	3000	2900	47.39	1.27	71	169.9	3.9667821	2.230193	0.598438	1.029483	1.27			1.20	
38	181.70	185.20	3.5	2900	2800	28.57	0.77	71	173.4	4.0196725	2.239049	0.604191	1.029483	0.77			1.20	
39	185.20	187.72	2.52	2800	2700	39.68	1.07	71	175.92	4.072563	2.245315	0.609868	1.029483	1.07			1.20	
40	187.72	191.19	3.47	2700	2600	28.82	0.77	71	179.39	4.1254534	2.253798	0.615472	1.029483	0.77			1.19	
41	191.19	193.64	2.45	2600	2500	40.82	1.10	71	181.84	4.1783438	2.259689	0.621004	1.029483	1.10			1.19	
42	193.64	196.22	2.58	2500	2400	38.76	1.04	71	184.42	4.2312342	2.265808	0.626467	1.029483	1.04			1.19	
43	196.22	199.88	3.66	2400	2300	27.32	0.73	71	188.08	4.2841247	2.274343	0.631862	1.029483	0.73			1.19	
44	199.88	202.70	2.82	2300	2200	35.46	0.95	71	190.9	4.3370151	2.280806	0.637191	1.029483	0.95			1.18	
45	202.70	205.54	2.84	2200	2100	35.21	0.95	71	193.74	4.3899055	2.287219	0.642455	1.029483	0.95			1.18	
46	205.54	208.23	2.69	2100	2000	37.17	1.00	71	196.43	4.442796	2.293208	0.647856	1.029483	1.00			1.18	
47	208.23	211.03	2.8	2000	1900	35.71	0.96	71	199.23	4.4956864	2.299355	0.652796	1.029483	0.96			1.18	
48	211.03	213.82	2.79	1900	1800	35.84	0.96	71	202.02	4.5485768	2.305394	0.657876	1.029483	0.96			1.17	
49	213.82	216.68	2.86	1800	1700	34.97	0.94	71	204.88	4.6014672	2.3115	0.662896	1.029483	0.94			1.17	
50	216.68	219.43	2.75	1700	1600	36.36	0.98	71	207.63	4.6543577	2.31729	0.66786	1.029483	0.98			1.17	
51	219.43	222.24	2.81	1600	1500	35.59	0.96	71	210.44	4.7072481	2.323128	0.672767	1.029483	0.96			1.17	

**Mountaire Farms of Delaware  
Infiltrometer Test DR-11**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-11**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-11  
 Test Location: TP-11  
 W.O.: 4940d Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Date: 10/3/2019 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series:  
 Test Depth: 38 inches Water Temp. (F): 71.00

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-11  
 W.O.: 4940d Test Location: TP-11  
 Date: 10/3/2019  
 Test K V = 1.029483  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	m-1	m	b	bm	Rate	R^2
			0			0			0	0					134.44	-0.41463	0.585375	0.130347	0.07630	0.60	0.999219
1	0.00	51.56	51.56	50	48	0.04	1.30	71	51.56	1.3173905	1.712313	0.119715	1.029483	1.30						0.89	
2	51.56	77.35	25.79	48	47.5	0.02	0.65	71	77.35	1.6467381	1.88846	0.216625	1.029483	0.65						0.75	
3	77.35	134.44	57.09	47.5	46.5	0.02	0.59		134.44	2.3054334	2.128529	0.362753	3.144481	1.79						0.60	

**Double Ring Infiltrometer  
Test Results**

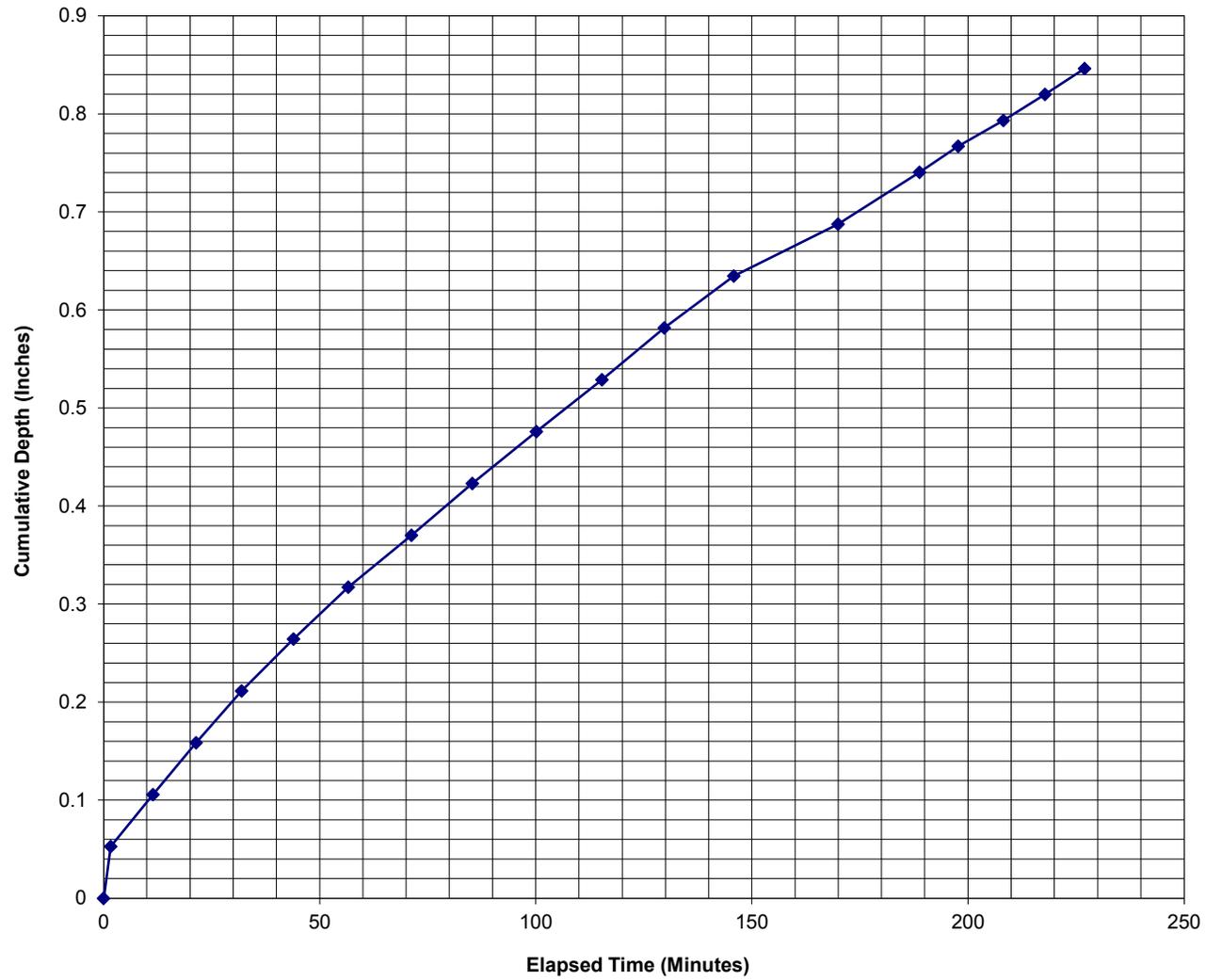
Project: **Mountaire Farms** Test Designation: **DR-12**  
 W.O.: **4940d** Test Location: **TP-12**  
 Date: **10/3/2019** Inner Ring Dia. (ft): **1.01**  
 Outer Ring Dia. (ft): **2.03**  
 Inner Ring Area (sqin): **115.37**  
 Outer Ring Area (sqin): **350.69**  
 Soil Series:   
 Test Depth: **37 inches**  
 Water Temp. (F): **71.44**

**Double Ring Infiltrometer  
Test Results**

Project: **Mountaire Farms** Test Designation: **DR-12**  
 W.O.: **4940d** Test Location: **TP-12**  
 Date: **10/3/2019**  
 Test K V = **1.022312**  
 K V @ 60 = **1.217**

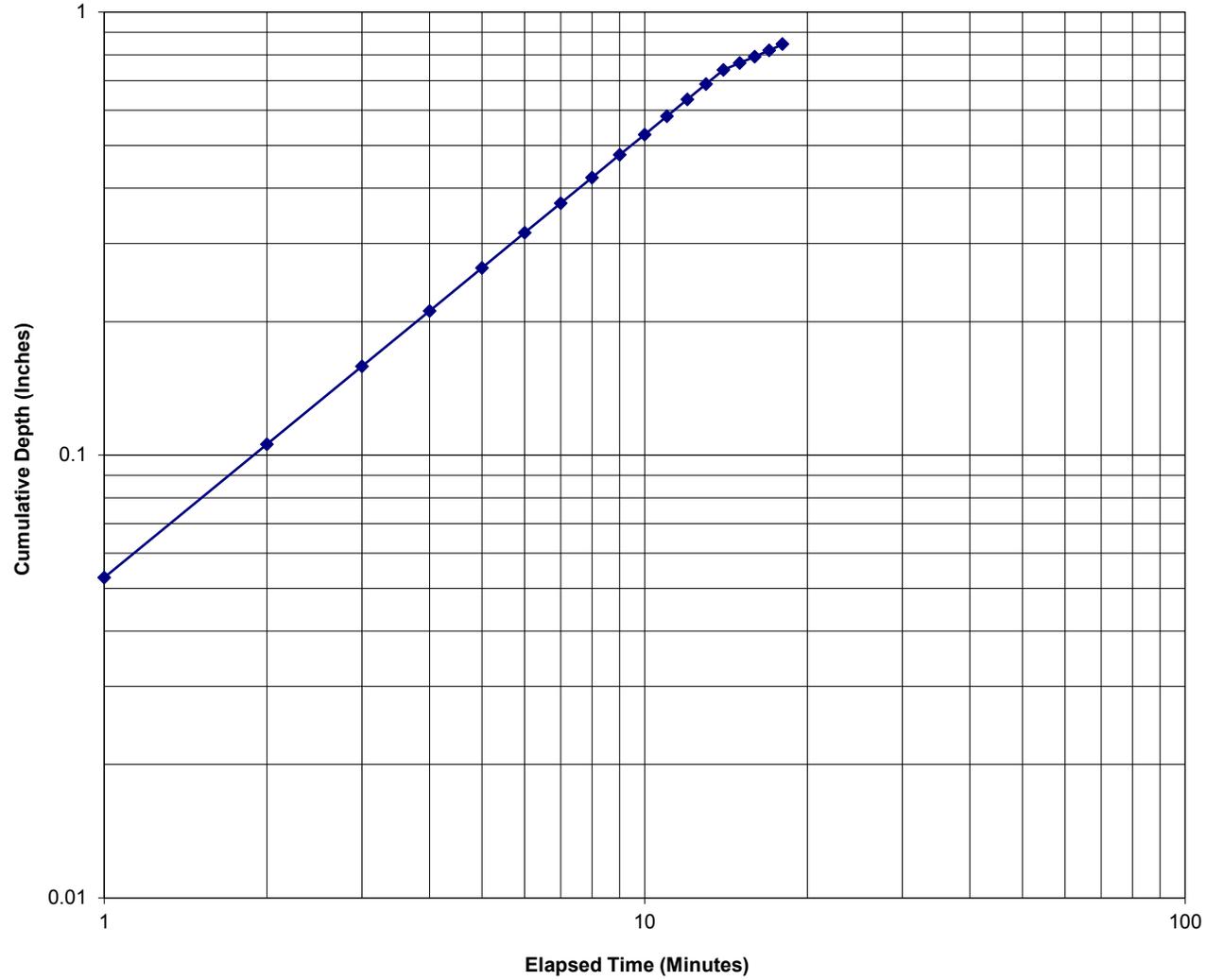
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	226.95	Rate	0.13
			0			0		0	0						m-1	-0.38985	R^2	0.980676
															b	0.028853		
															bm	0.01760		
1	0.00	1.67	1.67	1250	1150	59.88	1.60	71	1.67	0.0528904	0.222716	-1.27662	1.029483	1.61				0.86
2	1.67	11.45	9.78	1150	1050	10.22	0.27	71	11.45	0.1057809	1.058805	-0.97559	1.029483	0.27				0.41
3	11.45	21.43	9.98	1050	950	10.02	0.27	71	21.43	0.1586713	1.331022	-0.7995	1.029483	0.27				0.32
4	21.43	31.94	10.51	950	850	9.51	0.25	71	31.94	0.2115617	1.504335	-0.67456	1.029483	0.26				0.27
5	42.03	54.03	12	1350	1250	8.33	0.22	71	43.94	0.2644521	1.64286	-0.57765	1.029483	0.22				0.24
6	54.03	66.71	12.68	1250	1150	7.89	0.21	71	56.62	0.3173426	1.75297	-0.49847	1.029483	0.21				0.22
7	66.71	81.30	14.59	1150	1050	6.85	0.18	71	71.21	0.370233	1.852541	-0.43152	1.029483	0.18				0.20
8	81.30	95.38	14.08	1050	950	7.10	0.19	71	85.29	0.4231234	1.930898	-0.37353	1.029483	0.19				0.19
9	95.38	110.23	14.85	950	850	6.73	0.18	71	100.14	0.4760139	2.000608	-0.32238	1.029483	0.18				0.18
10	110.23	125.43	15.2	850	750	6.58	0.18	71	115.34	0.5289043	2.06198	-0.27662	1.029483	0.18				0.17
11	125.43	139.84	14.41	750	650	6.94	0.18	72	129.75	0.5817947	2.113107	-0.23523	1.013419	0.18				0.16
12	139.84	155.88	16.04	650	550	6.23	0.17	72	145.79	0.6346851	2.163728	-0.19744	1.013419	0.16				0.15
13	157.37	181.50	24.13	1350	1250	4.14	0.11	72	169.92	0.6875756	2.230244	-0.16268	1.013419	0.11				0.14
14	181.50	200.40	18.9	1250	1150	5.29	0.14	72	188.82	0.740466	2.276048	-0.13049	1.013419	0.14				0.14
15	200.40	209.28	8.88	1150	1100	5.63	0.15	72	197.7	0.7669112	2.296007	-0.11525	1.013419	0.15				0.13
16	209.28	219.75	10.47	1100	1050	4.78	0.13	72	208.17	0.7933564	2.318418	-0.10053	1.013419	0.13				0.13
17	219.75	229.38	9.63	1050	1000	5.19	0.14	72	217.8	0.8198016	2.338058	-0.08629	1.013419	0.14				0.13
18	229.38	238.53	9.15	1000	950	5.46	0.15	72	226.95	0.8462468	2.35593	-0.0725	1.013419	0.14				0.13

**Mountaire Farms of Delaware  
Infiltrometer Test DR-12**



**EARTH DATA INCORPORATED**

Mountaire Farms of Delaware  
Infiltrometer Test DR-12



**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-12	Project:	Mountaire Farms	Test Designation:	DR-12
		Test Location:	TP-12	W.O.:	4940d	Test Location:	TP-12
W.O.:	4940d	Inner Ring Dia. (ft):	1.01	Date:	10/3/2019		
		Outer Ring Dia. (ft):	2.03				
Date:	10/3/2019	Inner Ring Area (sqin):	115.37	Test K V =	1.019814		
		Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
Soil Series:							
Test Depth:	37 inches	Water Temp. (F):	71.60				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	m-1	Rate	R^2
			0			0		0	0						229.38	-0.03887	0.71	0.985139
															m	0.961125		
															b	0.015234		
															bm	0.01464		
1	0.00	54.03	54.03	50	49	0.02	0.61	71	54.03	0.6586953	1.732635	-0.18132	1.029483	0.62				0.75
2	54.03	95.38	41.35	49	48	0.02	0.80	71	95.38	1.3173905	1.979457	0.119715	1.029483	0.81				0.74
3	95.38	125.43	30.05	48	47.5	0.02	0.55	72	125.43	1.6467381	2.098401	0.216625	1.013419	0.55				0.73
4	125.43	181.50	56.07	47.5	46.5	0.02	0.59	72	181.5	2.3054334	2.258877	0.362753	1.013419	0.59				0.72
5	181.50	229.38	47.88	46.5	46	0.01	0.35	72	229.38	2.634781	2.360556	0.420745	1.013419	0.34				0.71

**Double Ring Infiltrometer  
Test Results**

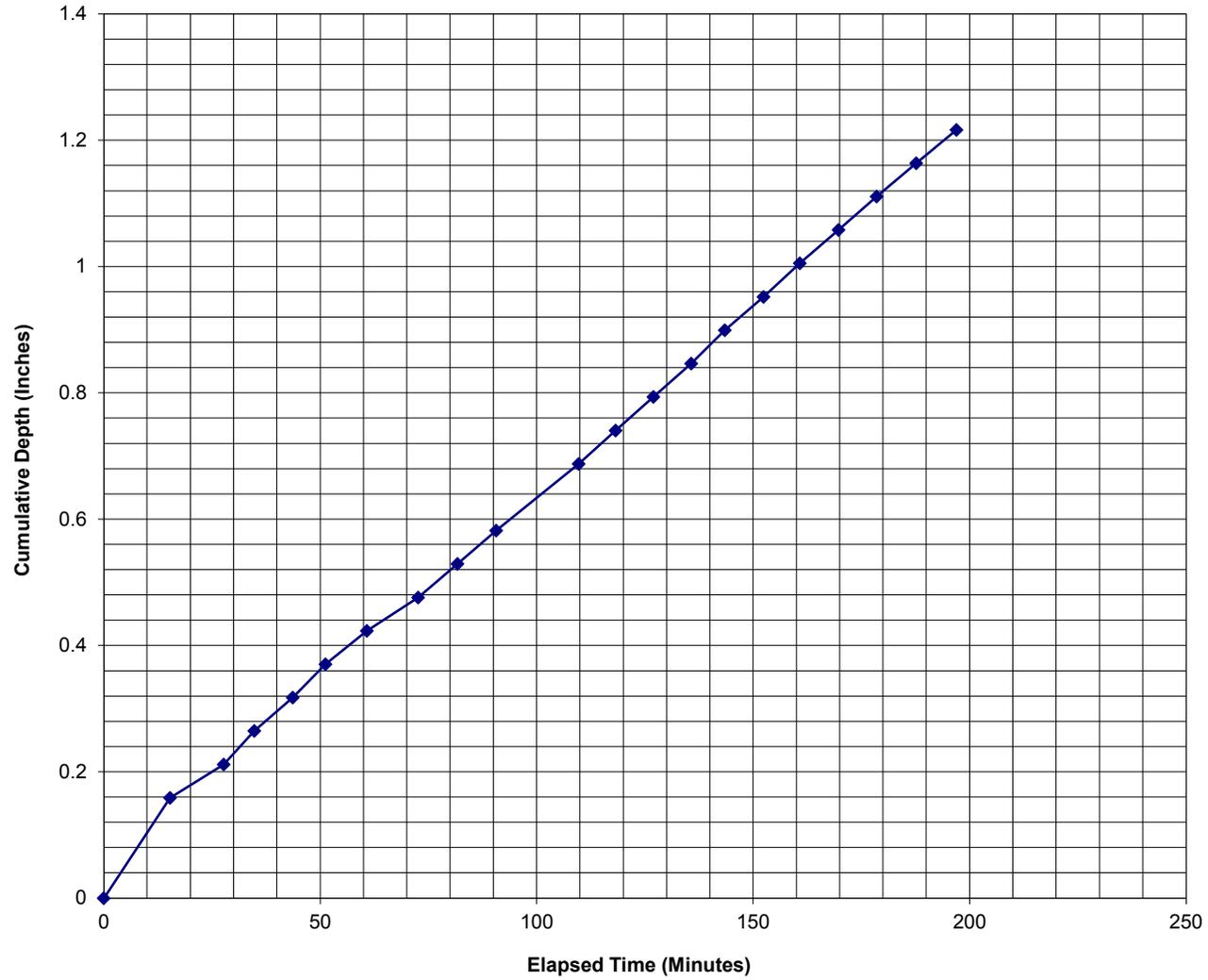
Project: **Mountaire Farms** Test Designation: **DR-13**  
 Test Location: **TP 13**  
 W.O.: **4940d** Inner Ring Dia. (ft): **1.01**  
 Outer Ring Dia. (ft): **2.03**  
 Date: **10/3/2019** Inner Ring Area (sqin): **115.37**  
 Outer Ring Area (sqin): **350.69**  
 Soil Series:   
 Test Depth: **28 inches** Water Temp. (F): **75.15**

**Double Ring Infiltrometer  
Test Results**

Project: **Mountaire Farms** Test Designation: **DR-13**  
 Test Location: **TP 13**  
 W.O.: **4940d** Date: **10/3/2019**  
 Test K V = **0.964438**  
 K V @ 60 = **1.217**

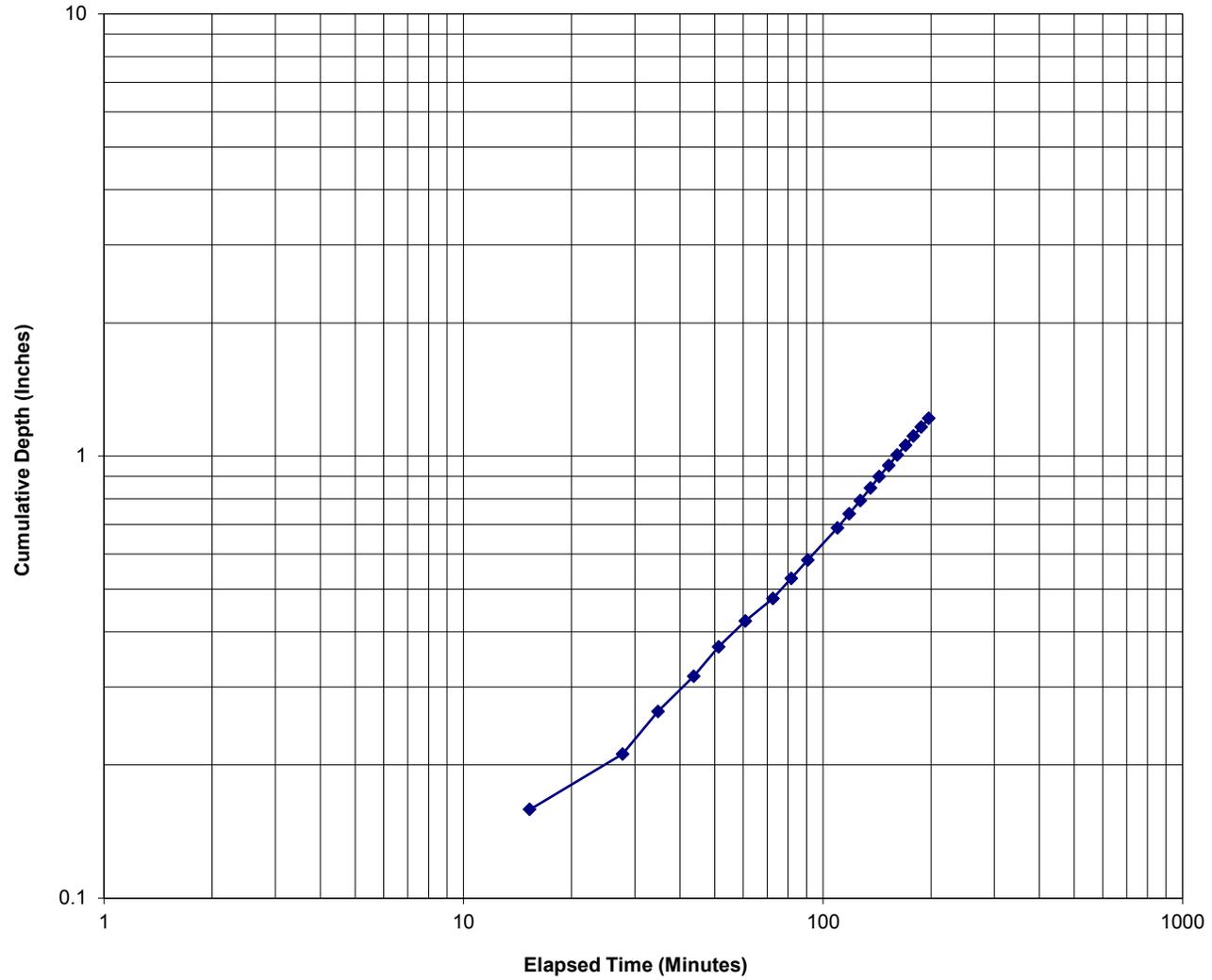
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	196.95	Rate	0.30
			0			0		0	0						m-1	-0.16126		
															m	0.838740	R^2	0.993374
															b	0.013817		
															bm	0.01159		
1	0.00	15.28	15.28	900	600	19.63	0.49	76	15.28	0.1586713	1.184123	-0.7995	0.951632	0.49				0.45
2	15.28	27.71	12.43	600	500	8.05	0.20	76	27.71	0.2115617	1.442637	-0.67456	0.951632	0.20				0.41
3	27.71	34.78	7.07	500	400	14.14	0.36	76	34.78	0.2644521	1.54133	-0.57765	0.951632	0.35				0.39
4	34.78	43.68	8.9	400	300	11.24	0.28	76	43.68	0.3173426	1.640283	-0.49847	0.951632	0.28				0.38
5	43.68	51.22	7.54	300	200	13.26	0.33	76	51.22	0.370233	1.70944	-0.43152	0.951632	0.33				0.37
6	51.22	60.79	9.57	200	100	10.45	0.26	76	60.79	0.4231234	1.783832	-0.37353	0.951632	0.26				0.36
7	63.65	75.48	11.83	1000	900	8.45	0.21	76	72.62	0.4760139	1.861056	-0.32238	0.951632	0.21				0.35
8	75.48	84.54	9.06	900	800	11.04	0.28	76	81.68	0.5289043	1.912116	-0.27662	0.951632	0.27				0.34
9	84.54	93.53	8.99	800	700	11.12	0.28	76	90.67	0.5817947	1.957464	-0.23523	0.951632	0.28				0.34
10	93.53	112.60	19.07	700	500	10.49	0.26	76	109.74	0.6875756	2.040365	-0.16268	0.951632	0.26				0.33
11	112.60	121.09	8.49	500	400	11.78	0.30	76	118.23	0.740466	2.072728	-0.13049	0.951632	0.29				0.32
12	121.09	129.84	8.75	400	300	11.43	0.29	76	126.98	0.7933564	2.103735	-0.10053	0.951632	0.28				0.32
13	129.84	138.58	8.74	300	200	11.44	0.29	74	135.72	0.8462468	2.132644	-0.0725	0.98204	0.29				0.31
14	138.58	146.34	7.76	200	100	12.89	0.32	74	143.48	0.8991373	2.156791	-0.04617	0.98204	0.33				0.31
15	148.48	157.37	8.89	1000	900	11.25	0.28	74	152.37	0.9520277	2.182899	-0.02135	0.98204	0.29				0.31
16	157.37	165.80	8.43	900	800	11.86	0.30	74	160.8	1.0049181	2.206286	0.002131	0.98204	0.30				0.31
17	165.80	174.71	8.91	800	700	11.22	0.28	74	169.71	1.0578086	2.229707	0.024407	0.98204	0.29				0.30
18	174.71	183.54	8.83	700	600	11.33	0.28	74	178.54	1.110699	2.251736	0.045596	0.98204	0.29				0.30
19	183.54	192.69	9.15	600	500	10.93	0.27	74	187.69	1.1635894	2.273441	0.0658	0.98204	0.28				0.30
20	192.69	201.95	9.26	500	400	10.80	0.27	73	196.95	1.2164798	2.294356	0.085105	0.997606	0.28				0.30

**Mountaire Farms of Delaware  
Infiltrometer Test DR-13**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-13**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-13	Project:	Mountaire Farms	Test Designation:	DR-13
		Test Location:	TP 13	W.O.:	4940d	Test Location:	TP 13
W.O.:	4940d	Inner Ring Dia. (ft):	1.01	Date:	10/3/2019		
		Outer Ring Dia. (ft):	2.03				
Date:	10/3/2019	Inner Ring Area (sqin):	115.37	Test K V =	0.970524		
Soil Series:		Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
Test Depth:	28 inches	Water Temp. (F):	74.75				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	201.95	Rate	0.77
															m-1	-0.31636	R^2	0.980397
															m	0.683638		
															b	0.100571		
															bm	0.06875		
			0			0			0	0								
1	0.00	60.79	60.79	40	37.5	0.04	1.30	76	60.79	1.6467381	1.783832	0.216625	0.951632	1.27				1.12
2	60.79	121.09	60.3	37.5	36	0.02	0.78	76	121.09	2.634781	2.083108	0.420745	0.951632	0.77				0.90
3	121.09	148.48	27.39	36	35	0.04	1.15	74	148.48	3.2934763	2.171668	0.517655	0.98204	1.16				0.85
4	148.48	201.95	53.47	35	34.5	0.01	0.29	73	201.95	3.6228239	2.305244	0.559047	0.997606	0.30				0.77

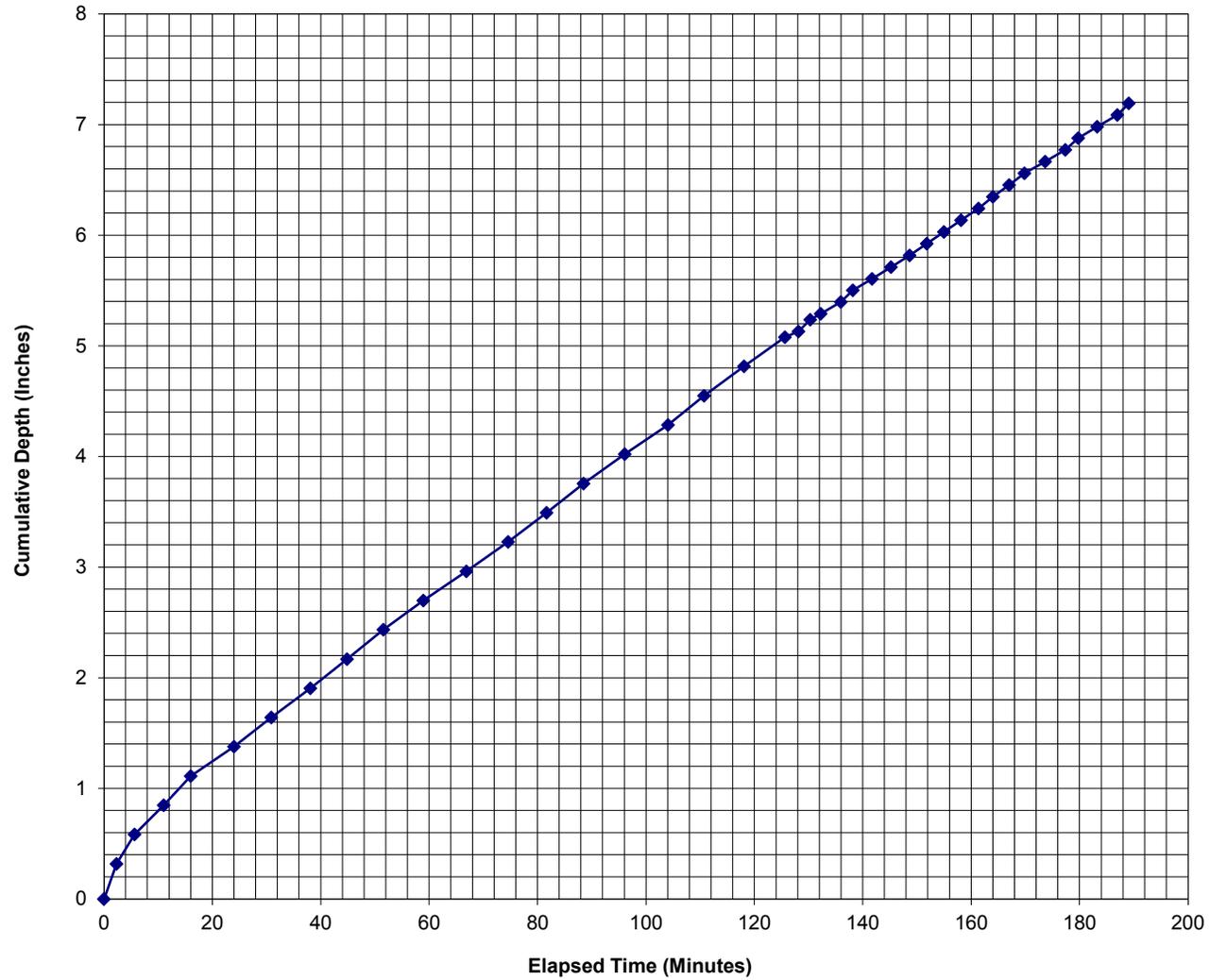
**Double Ring Infiltrometer  
Test Results**

**Double Ring Infiltrometer  
Test Results**

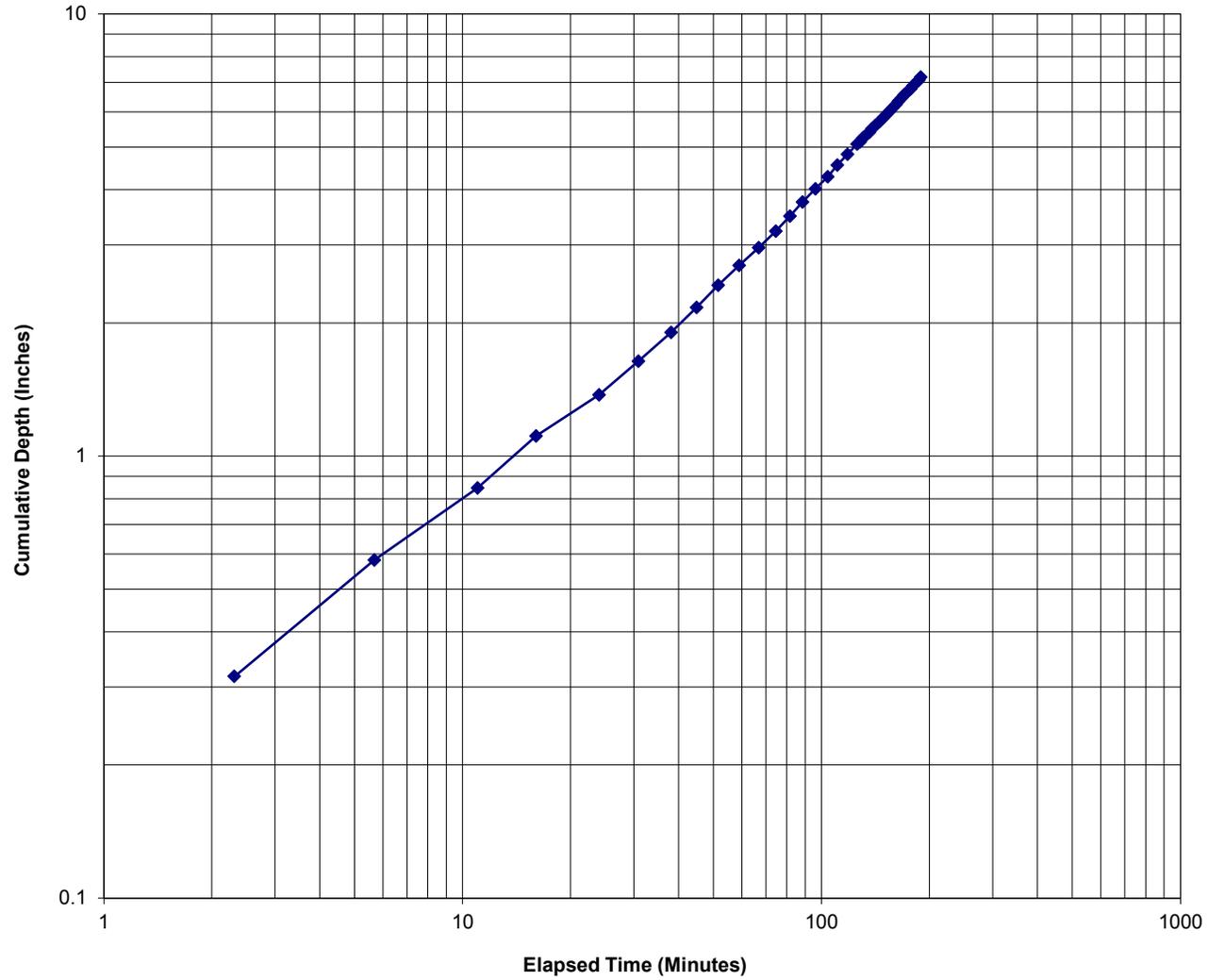
Project:	Mountaire Farms	Test Designation:	DR-14	Project:	Mountaire Farms	Test Designation:	DR-14
W.O.:	4940d	Test Location:	TP 14	W.O.:	4940d	Test Location:	TP 14
Date:	10/3/2019	Inner Ring Dia. (ft):	1.01	Date:	10/3/2019		
		Outer Ring Dia. (ft):	2.03				
Soil Series:		Inner Ring Area (sqin):	115.37	Test K V =	0.971288		
Test Depth:	60 inches	Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
		Water Temp. (F):	74.70				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
			0			0			0	0					189.09	1.58
															m-1	-0.26823
															m	0.731767
															b	0.146976
															bm	0.10755
1	0.00	2.31	2.31	3300	2700	259.74	6.58	76	2.31	0.3173426	0.363612	-0.49847	0.951632	6.45		5.16
2	2.31	5.67	3.36	2700	2200	148.81	3.77	76	5.67	0.5817947	0.753583	-0.23523	0.951632	3.69		4.05
3	5.67	11.01	5.34	2200	1700	93.63	2.37	76	11.01	0.8462468	1.041787	-0.0725	0.951632	2.32		3.39
4	11.01	16.03	5.02	1700	1200	99.60	2.52	76	16.03	1.110699	1.204934	0.045596	0.951632	2.47		3.07
5	21.96	29.94	7.98	3500	3000	62.66	1.59	76	24.01	1.3751511	1.380392	0.13835	0.951632	1.55		2.75
6	29.94	36.81	6.87	3000	2500	72.78	1.84	76	30.88	1.6396033	1.489677	0.214739	0.951632	1.81		2.57
7	36.81	44.04	7.23	2500	2000	69.16	1.75	76	38.11	1.9040554	1.581039	0.27968	0.951632	1.72		2.43
8	44.04	50.79	6.75	2000	1500	74.07	1.88	76	44.86	2.1685076	1.651859	0.336161	0.951632	1.84		2.33
9	50.79	57.46	6.67	1500	1000	74.96	1.90	76	51.53	2.4329597	1.71206	0.386135	0.951632	1.86		2.24
10	62.94	70.35	7.41	3500	3000	67.48	1.71	75	58.94	2.6974118	1.77041	0.430947	0.966716	1.70		2.16
11	70.35	78.28	7.93	3000	2500	63.05	1.60	75	66.87	2.961864	1.825231	0.471565	0.966716	1.59		2.09
12	78.28	85.96	7.68	2500	2000	65.10	1.65	75	74.55	3.2263161	1.872448	0.508707	0.966716	1.64		2.03
13	85.96	93.09	7.13	2000	1500	70.13	1.78	75	81.68	3.4907683	1.912116	0.542921	0.966716	1.77		1.98
14	93.09	99.92	6.83	1500	1000	73.21	1.85	75	88.51	3.7552204	1.946992	0.574635	0.966716	1.85		1.94
15	104.63	112.21	7.58	3500	3000	65.96	1.67	75	96.09	4.0196725	1.982678	0.604191	0.966716	1.66		1.90
16	112.21	120.21	8	3000	2500	62.50	1.58	75	104.09	4.2841247	2.017409	0.631862	0.966716	1.58		1.86
17	120.21	126.82	6.61	2500	2000	75.64	1.92	75	110.7	4.5485768	2.044148	0.657876	0.966716	1.91		1.83
18	126.82	134.20	7.38	2000	1500	67.75	1.72	75	118.08	4.813029	2.072176	0.682418	0.966716	1.71		1.79
19	134.20	141.78	7.58	1500	1000	65.96	1.67	75	125.66	5.0774811	2.099197	0.705648	0.966716	1.66		1.76
20	148.75	151.22	2.47	3300	3200	40.49	1.03	74	128.13	5.1303715	2.107651	0.710149	0.98204	1.04		1.76
21	151.22	153.39	2.17	3200	3000	92.17	2.33	74	130.3	5.2361524	2.114944	0.719012	0.98204	2.36		1.75
22	153.39	155.31	1.92	3000	2900	52.08	1.32	74	132.22	5.2890428	2.121297	0.723377	0.98204	1.33		1.74
23	155.31	159.05	3.74	2900	2700	53.48	1.35	74	135.96	5.3948237	2.133411	0.731977	0.98204	1.37		1.73
24	159.05	161.28	2.23	2700	2500	89.69	2.27	74	138.19	5.5006045	2.140477	0.74041	0.98204	2.30		1.72
25	161.28	164.81	3.53	2500	2300	56.66	1.43	74	141.72	5.6063854	2.151431	0.748683	0.98204	1.45		1.71
26	164.81	168.32	3.51	2300	2100	56.98	1.44	74	145.23	5.7121662	2.162056	0.756801	0.98204	1.46		1.70
27	168.32	171.73	3.41	2100	1900	58.65	1.49	74	148.64	5.8179471	2.172136	0.76477	0.98204	1.50		1.69
28	171.73	174.92	3.19	1900	1700	62.70	1.59	74	151.83	5.9237279	2.181358	0.772595	0.98204	1.61		1.68
29	174.92	178.04	3.12	1700	1500	64.10	1.62	74	154.95	6.0295088	2.190192	0.780282	0.98204	1.64		1.67
30	178.04	181.24	3.2	1500	1300	62.50	1.58	74	158.15	6.1352897	2.199069	0.787835	0.98204	1.60		1.66
31	181.24	184.41	3.17	1300	1100	63.09	1.60	74	161.32	6.2410705	2.207688	0.795259	0.98204	1.62		1.65
32	184.41	187.08	2.67	1100	900	74.91	1.90	74	163.99	6.3468514	2.214817	0.802558	0.98204	1.92		1.64
33	187.08	190.10	3.02	900	700	66.23	1.68	74	167.01	6.4526322	2.222742	0.809737	0.98204	1.70		1.64
34	190.10	192.93	2.83	700	500	70.67	1.79	74	169.84	6.5584131	2.23004	0.816799	0.98204	1.81		1.63
35	192.93	201.04	3.83	2900	2700	52.22	1.32	74	173.67	6.6641939	2.239725	0.823748	0.98204	1.34		1.62
36	201.04	204.73	3.69	2700	2500	54.20	1.37	74	177.36	6.7699748	2.248856	0.830587	0.98204	1.39		1.61
37	204.73	207.10	2.37	2500	2300	84.39	2.14	74	179.73	6.8757557	2.254621	0.83732	0.98204	2.16		1.60
38	207.10	210.64	3.54	2300	2100	56.50	1.43	74	183.27	6.9815365	2.263091	0.843951	0.98204	1.45		1.59
39	210.64	214.35	3.71	2100	1900	53.91	1.37	74	186.98	7.0873174	2.271795	0.850482	0.98204	1.38		1.59
40	214.35	216.46	2.11	1900	1700	94.79	2.40	74	189.09	7.1930982	2.276669	0.856916	0.98204	2.43		1.58

**Mountaire Farms of Delaware  
Infiltrometer Test DR-14**



**Mountaire Farms of Delaware  
Infiltrometer Test DR-14**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-14	Project:	Mountaire Farms	Test Designation:	DR-14
		Test Location:	TP 14	W.O.:	4940d	Test Location:	TP 14
W.O.:	4940d	Inner Ring Dia. (ft):	1.01	Date:	10/3/2019		
		Outer Ring Dia. (ft):	2.03				
Date:	10/3/2019	Inner Ring Area (sqin):	115.37	Test K V =	0.965028		
		Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
Soil Series:							
Test Depth:	60 inches	Water Temp. (F):	75.11				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	m-1	m	b	bm	Rate	R^2
			0			0		0	0						197.21	-0.00672	0.993279	0.079245	0.07871	4.56	0.996489
1	0.00	21.96	21.96	50	47.5	0.11	3.57	76	21.96	1.6467381	1.341632	0.216625	0.951632	3.52							4.63
2	21.96	44.04	22.08	47.5	45	0.11	3.55	76	44.04	3.2934763	1.643847	0.517655	0.951632	3.50							4.60
3	44.04	62.94	18.9	45	42	0.16	4.97	76	62.94	5.269562	1.798927	0.721775	0.951632	4.91							4.59
4	62.94	93.09	30.15	42	39	0.10	3.12	75	93.09	7.2456478	1.968903	0.860077	0.966716	3.12							4.58
5	93.09	104.63	11.54	39	37.5	0.13	4.07	75	104.63	8.2336907	2.019656	0.915595	0.966716	4.08							4.58
6	104.63	120.21	15.58	37.5	35.5	0.13	4.02	75	120.21	9.5510812	2.079941	0.980053	0.966716	4.03							4.57
7	120.21	141.87	21.66	35.5	34	0.07	2.17	75	141.87	10.539124	2.151891	1.022805	0.966716	2.17							4.57
8	141.87	174.92	33.05	34	30	0.12	3.79	74	174.92	13.173905	2.242839	1.119715	0.98204	3.86							4.56
9	174.92	197.21	22.29	30	28	0.09	2.81	74	197.21	14.491296	2.294929	1.161107	0.98204	2.86							4.56

**Double Ring Infiltrometer  
Test Results**

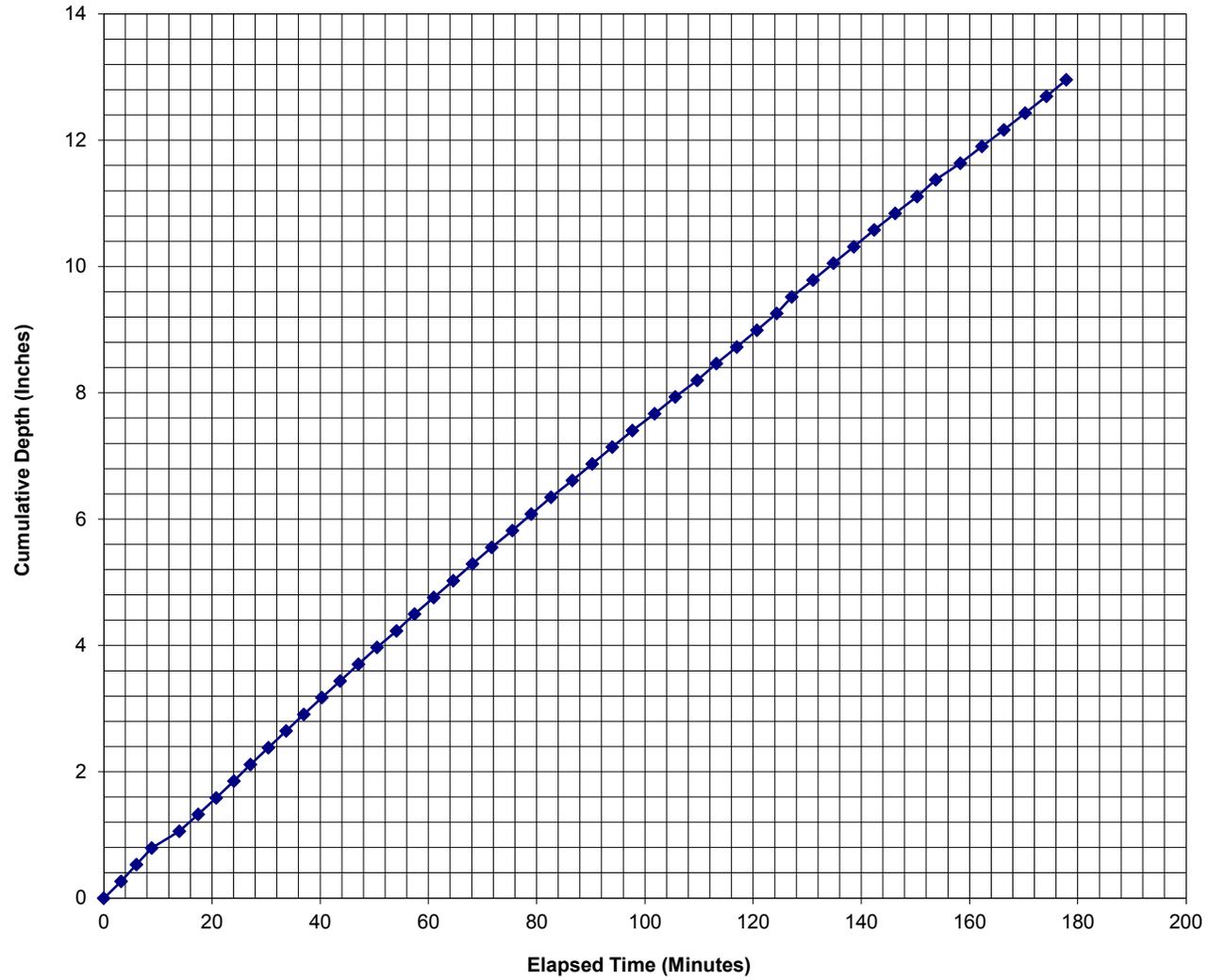
Project: **Mountaire Farms** Test Designation: **DR-15**  
 W.O.: **4940d** Test Location: **TP 15**  
 Date: **10/4/2019** Inner Ring Dia. (ft): **1.01**  
 Outer Ring Dia. (ft): **2.03**  
 Inner Ring Area (sqin): **115.37**  
 Outer Ring Area (sqin): **350.89**  
 Soil Series: **47 inches**  
 Test Depth: **47 inches** Water Temp. (F): **68.88**

**Double Ring Infiltrometer  
Test Results**

Project: **Mountaire Farms** Test Designation: **DR-15**  
 W.O.: **4940d** Test Location: **TP 15**  
 Date: **10/4/2019** Inner Ring Dia. (ft): **1.01**  
 Outer Ring Dia. (ft): **2.03**  
 Inner Ring Area (sqin): **115.37**  
 Outer Ring Area (sqin): **350.89**  
 Test K V = **1.064426**  
 K V @ 60 = **1.217**

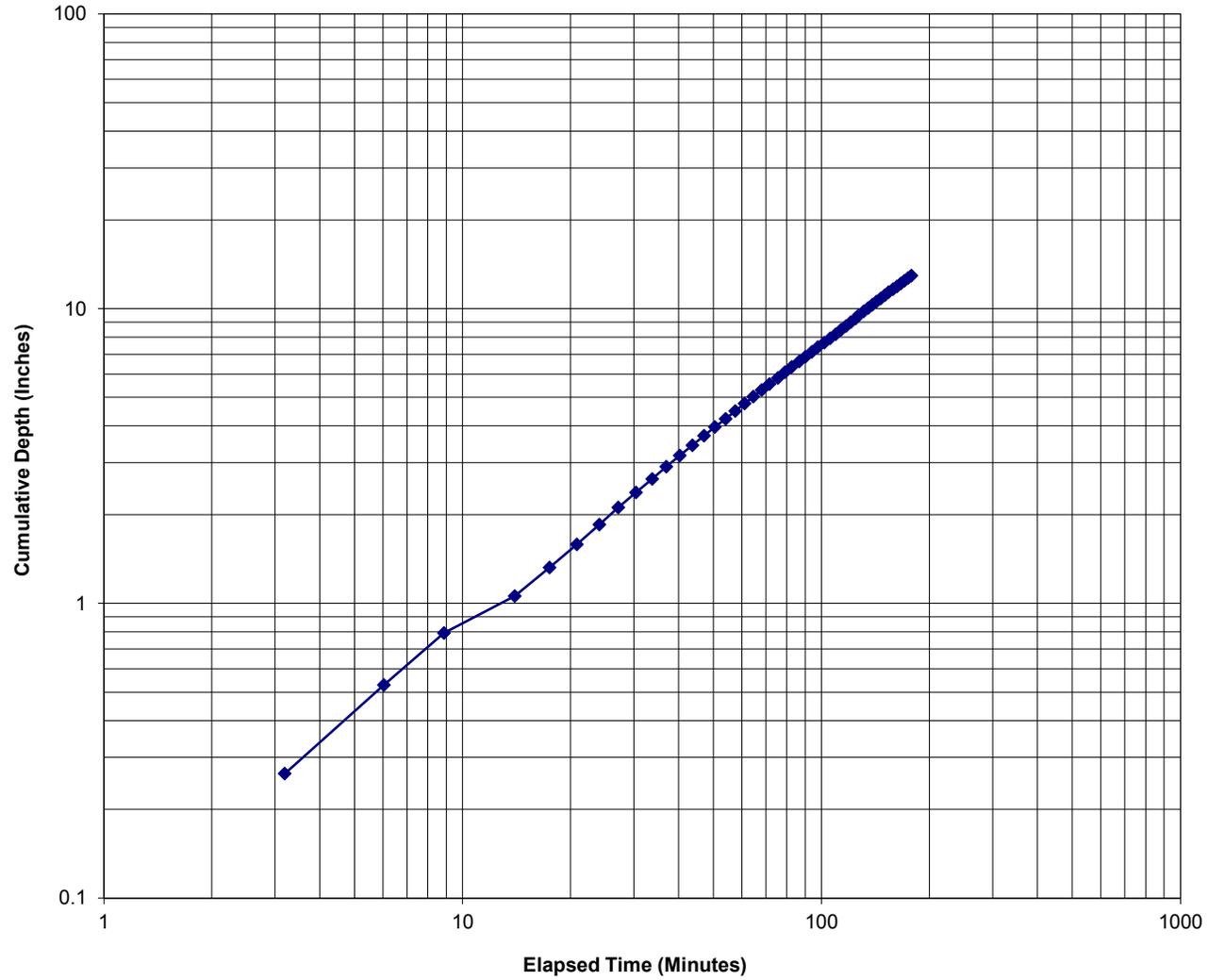
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	m-1	Rate	0.999331
			0			0			0	0					177.88	-0.03664	4.26	
															m	0.963364	R^2	
															b	0.089204		
															bm	0.08594		
1	0.00	3.19	3.19	3700	3200	156.74	4.35	68	3.19	0.2644521	0.503791	-0.57765	1.079218	4.41			4.94	
2	3.19	6.04	2.85	3200	2700	175.44	4.87	68	6.04	0.5289043	0.781037	-0.27662	1.079218	4.94			4.83	
3	6.04	8.87	2.83	2700	2200	176.68	4.90	68	8.87	0.7933564	0.947924	-0.10053	1.079218	4.97			4.76	
4	8.87	13.97	5.1	2200	1700	98.04	2.72	68	13.97	1.0578086	1.145196	0.024407	1.079218	2.76			4.68	
5	13.97	17.48	3.51	1700	1200	142.45	3.95	68	17.48	1.3222607	1.242541	0.121317	1.079218	4.01			4.64	
6	17.48	20.81	3.33	1200	700	150.15	4.17	68	20.81	1.5867128	1.318272	0.200498	1.079218	4.23			4.61	
7	20.81	24.04	3.23	700	200	154.80	4.30	68	24.04	1.851165	1.380934	0.267445	1.079218	4.36			4.59	
8	27.31	30.39	3.08	3700	3200	162.34	4.51	68	27.12	2.1156171	1.43329	0.325437	1.079218	4.57			4.57	
9	30.39	33.68	3.29	3200	2700	151.98	4.22	68	30.41	2.3800693	1.483016	0.37659	1.079218	4.28			4.55	
10	33.68	37.00	3.32	2700	2200	150.60	4.18	68	33.73	2.6445214	1.528016	0.422347	1.079218	4.24			4.53	
11	37.00	40.23	3.23	2200	1700	154.80	4.30	68	36.96	2.9089735	1.567732	0.46374	1.079218	4.36			4.52	
12	40.23	43.56	3.33	1700	1200	150.15	4.17	68	40.29	3.1734257	1.605197	0.501528	1.079218	4.23			4.50	
13	43.56	46.97	3.41	1200	700	146.63	4.07	68	43.7	3.4378778	1.640481	0.53629	1.079218	4.13			4.49	
14	46.97	50.31	3.34	700	200	149.70	4.16	68	47.04	3.70233	1.672467	0.568475	1.079218	4.21			4.48	
15	52.26	55.70	3.44	3700	3200	145.35	4.03	68	50.48	3.9667821	1.703119	0.598438	1.079218	4.09			4.47	
16	55.70	59.31	3.61	3200	2700	138.50	3.84	68	54.09	4.2312342	1.733117	0.626467	1.079218	3.90			4.45	
17	59.31	62.68	3.37	2700	2200	148.37	4.12	68	57.46	4.4956864	1.759366	0.652796	1.079218	4.18			4.44	
18	62.68	66.23	3.55	2200	1700	140.85	3.91	68	61.01	4.7601385	1.785401	0.67762	1.079218	3.96			4.44	
19	66.23	69.79	3.56	1700	1200	140.45	3.90	68	64.57	5.0245907	1.810031	0.701101	1.079218	3.95			4.43	
20	69.79	73.37	3.58	1200	700	139.66	3.88	68	68.15	5.2890428	1.833466	0.723377	1.079218	3.93			4.42	
21	73.37	76.90	3.53	700	200	141.64	3.93	68	71.68	5.553495	1.855398	0.744566	1.079218	3.99			4.41	
22	78.98	82.82	3.84	3700	3200	130.21	3.61	68	75.52	5.8179471	1.878062	0.76477	1.079218	3.66			4.40	
23	82.82	86.32	3.5	3200	2700	142.86	3.97	68	79.02	6.0823992	1.897737	0.784075	1.079218	4.02			4.39	
24	86.32	89.95	3.63	2700	2200	137.74	3.82	68	82.65	6.3468514	1.917243	0.802558	1.079218	3.88			4.39	
25	89.95	93.90	3.95	2200	1700	126.58	3.51	68	86.6	6.6113035	1.937518	0.820287	1.079218	3.56			4.38	
26	93.90	97.55	3.65	1700	1200	136.99	3.80	68	90.25	6.8757557	1.955447	0.83732	1.079218	3.85			4.37	
27	97.55	101.26	3.71	1200	700	134.77	3.74	68	93.96	7.1402078	1.972943	0.853711	1.079218	3.79			4.37	
28	101.26	104.99	3.73	700	200	134.05	3.72	68	97.69	7.4046599	1.98985	0.869505	1.079218	3.77			4.36	
29	106.69	110.79	4.1	3700	3200	121.95	3.38	69	101.79	7.6691121	2.007705	0.884745	1.062378	3.38			4.35	
30	110.79	114.63	3.84	3200	2700	130.21	3.61	69	105.63	7.9335642	2.023787	0.899468	1.062378	3.61			4.35	
31	114.63	118.65	4.02	2700	2200	124.38	3.45	69	109.65	8.1980164	2.040009	0.913709	1.062378	3.45			4.34	
32	118.65	122.20	3.55	2200	1700	140.85	3.91	69	113.2	8.4624685	2.053846	0.927497	1.062378	3.90			4.34	
33	122.20	125.96	3.76	1700	1200	132.98	3.69	69	116.96	8.7269206	2.068037	0.940861	1.062378	3.68			4.33	
34	125.96	129.69	3.73	1200	700	134.05	3.72	69	120.69	8.9913728	2.081671	0.953826	1.062378	3.71			4.33	
35	129.69	133.37	3.68	700	200	135.87	3.77	69	124.37	9.2558249	2.094716	0.966415	1.062378	3.76			4.32	
36	136.07	138.83	2.76	3700	3200	181.16	5.03	69	127.13	9.5202771	2.104246	0.97865	1.062378	5.02			4.32	
37	138.83	142.77	3.94	3200	2700	126.90	3.52	69	131.07	9.7847292	2.117503	0.990549	1.062378	3.52			4.31	
38	142.77	146.56	3.79	2700	2200	131.93	3.66	69	134.86	10.049181	2.129883	1.002131	1.062378	3.65			4.31	
39	146.56	150.31	3.75	2200	1700	133.33	3.70	69	138.61	10.313633	2.141795	1.013412	1.062378	3.69			4.30	
40	150.31	154.10	3.79	1700	1200	131.93	3.66	69	142.4	10.578086	2.15351	1.024407	1.062378	3.65			4.30	
41	154.10	157.98	3.88	1200	700	128.87	3.58	69	146.28	10.842538	2.165185	1.035131	1.062378	3.57			4.30	
42	157.98	162.00	4.02	700	200	124.38	3.45	69	150.3	11.10699	2.176959	1.045596	1.062378	3.45			4.29	
43	164.42	167.89	3.47	3700	3200	144.09	4.00	72	153.77	11.371442	2.186872	1.055816	1.013419	3.81			4.29	
44	167.89	172.44	4.55	3200	2700	109.89	3.05	72	158.32	11.635894	2.199536	1.0658	1.013419	2.90			4.28	
45	172.44	176.40	3.96	2700	2200	126.26	3.50	72	162.28	11.900346	2.210265	1.07556	1.013419	3.34			4.28	
46	176.40	180.43	4.03	2200	1700	124.07	3.44	72	166.31	12.164798	2.220918	1.085105	1.013419	3.28			4.28	
47	180.43	184.40	3.97	1700	1200	125.94	3.50	72	170.28	12.429251	2.231164	1.094445	1.013419	3.33			4.27	
48	184.40	188.30	3.9	1200	700	128.21	3.56	72	174.18	12.693703	2.240998	1.103588	1.013419	3.39			4.27	
49	188.30	192.00	3.7	700	200	135.14	3.75	73	177.88	12.958155	2.250127	1.112543	0.997606	3.52			4.26	

**Mountaire Farms of Delaware  
Infiltrometer Test DR-15**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-15**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-15	Project:	Mountaire Farms	Test Designation:	DR-15
		Test Location:	TP 15	W.O.:	4940d	Test Location:	TP 15
W.O.:	4940d	Inner Ring Dia. (ft):	1.01	Date:	10/4/2019		
		Outer Ring Dia. (ft):	2.03				
Date:	10/4/2019	Inner Ring Area (sqin):	115.37	Test K V =	1.062378		
Soil Series:		Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
Test Depth:	47 inches	Water Temp. (F):	69.00				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
															m-1	R^2
			0			0		0	0						188.27	6.46
															-0.05809	0.998987
															0.941912	
															0.155022	
															0.14602	
1	0.00	30.39	30.39	50	44	0.20	6.81	68	30.39	3.9521715	1.482731	0.596836	1.079218	6.92		7.18
2	30.39	55.70	25.31	44	40	0.16	5.45	68	55.7	6.5869526	1.745855	0.818685	1.079218	5.54		6.94
3	55.70	82.82	27.12	40	35	0.18	6.36	68	82.82	9.8804288	1.918135	0.994776	1.079218	6.46		6.78
4	82.82	110.79	27.97	35	30	0.18	6.17	69	110.79	13.173905	2.044501	1.119715	1.062378	6.17		6.66
5	110.79	125.96	15.17	30	27.5	0.16	5.69	69	125.96	14.820643	2.100233	1.170867	1.062378	5.69		6.62
6	129.69	164.42	34.73	50	44	0.17	5.96	69	160.69	18.772815	2.205989	1.273529	1.062378	5.96		6.52
7	164.42	192.00	27.58	44	40	0.15	5.00	72	188.27	21.407596	2.274781	1.330568	1.013419	4.77		6.46

**Double Ring Infiltrometer  
Test Results**

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/4/2019  
 Soil Series:  
 Test Depth: 50 inches

Test Designation: DR-16  
 Test Location: TP-16  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 68.00

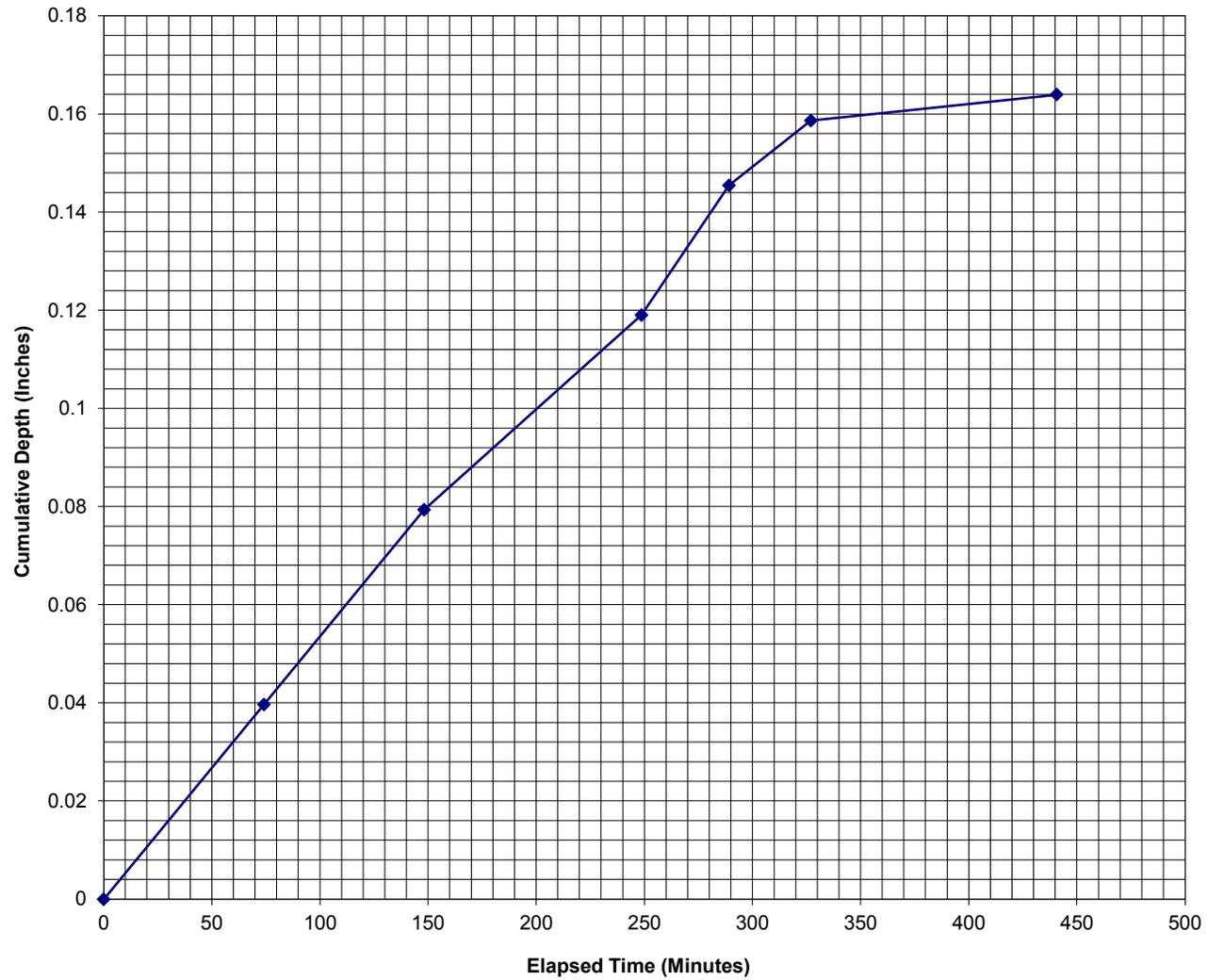
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/4/2019

Test Designation: DR-16  
 Test Location: TP-16

Test K V = 1.079218  
 K V @ 60 = 1.217

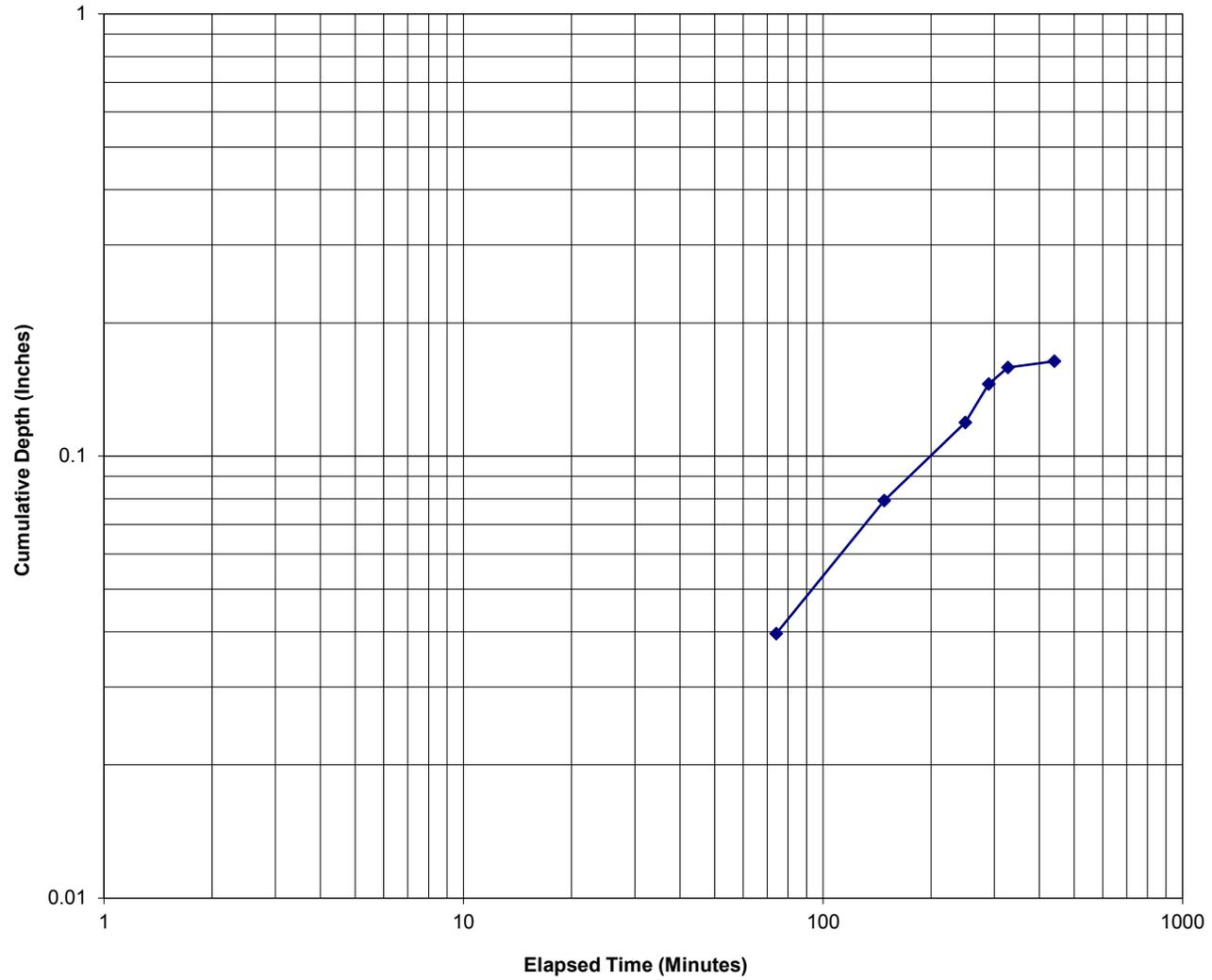
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	m-1	m	b	bm	Rate	R^2
			0			0			0	0											
1	0.00	74.13	74.13	1300	1225	1.01	0.03	68	74.13	0.0396678	1.869994	-1.40156	1.079218	0.03							0.03
2	74.13	148.23	74.1	1225	1150	1.01	0.03	68	148.23	0.0793356	2.170936	-1.10053	1.079218	0.03							0.03
3	148.23	248.70	100.47	1150	1075	0.75	0.02	68	248.7	0.1190035	2.395676	-0.92444	1.079218	0.02							0.02
4	248.70	289.09	40.39	1075	1025	1.24	0.03	68	289.09	0.1454487	2.461033	-0.83729	1.079218	0.03							0.02
5	289.09	327.04	37.95	1025	1000	0.66	0.02	68	327.04	0.1586713	2.514601	-0.7995	1.079218	0.02							0.02
6	327.04	440.63	113.59	1000	990	0.09	0.00	68	440.63	0.1639603	2.644074	-0.78526	1.079218	0.002							0.02

**Mountaire Farms of Delaware  
Infiltrometer Test DR-16**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-16**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-16	Project:	Mountaire Farms	Test Designation:	DR-16
		Test Location:	TP-16	W.O.:	4940d	Test Location:	TP-16
W.O.:	4940d	Inner Ring Dia. (ft):	1.01	Date:	10/4/2019		
		Outer Ring Dia. (ft):	2.03				
Date:	10/4/2019	Inner Ring Area (sqin):	115.37	Test K V =	1.079218		
Soil Series:		Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
Test Depth:	50 inches	Water Temp. (F):	68.00				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	m-1	m	b	bm	Rate	R^2
			0			0			0	0											
1	0.00	148.23	148.23	50	49.5	0.00	0.12	68	148.23	0.3293476	2.170936	-0.48235	1.079218	0.12							0.06
2	148.23	440.63	292.4	49.5	49	0.00	0.06	68	440.63	0.6586953	2.644074	-0.18132	1.079218	0.06							0.06

**Double Ring Infiltrometer  
Test Results**

Project: **Mountaire Farms** Test Designation: **DR-17**  
 Test Location: **TP-17**  
 W.O.: **4940d** Inner Ring Dia. (ft): **1.01**  
 Outer Ring Dia. (ft): **2.03**  
 Date: **10/4/2019** Inner Ring Area (sqin): **115.37**  
 Outer Ring Area (sqin): **350.69**  
 Soil Series:   
 Test Depth: **40 inches** Water Temp. (F): **69.00**

**Double Ring Infiltrometer  
Test Results**

Project: **Mountaire Farms** Test Designation: **DR-17**  
 Test Location: **TP-17**  
 W.O.: **4940d** Date: **10/4/2019**  
 Test K V = **1.062378**  
 K V @ 60 = **1.217**

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	216.175	Rate	0.63
			0			0			0	0					m-1	-0.22941		
															m	0.770593	R^2	0.996776
															b	0.046915		
															bm	0.03615		
1	0.00	2.25	2.25	800	600	88.89	2.46	68	2.25	0.1057809	0.352183	-0.97559	1.079218	2.50				1.80
2	2.25	7.32	5.07	600	400	39.45	1.09	68	7.32	0.2115617	0.864511	-0.67456	1.079218	1.11				1.37
3	7.32	12.32	5	400	200	40.00	1.11	68	12.32	0.3173426	1.090611	-0.49847	1.079218	1.13				1.22
4	14.43	20.38	5.95	1000	800	33.61	0.93	68	18.27	0.4231234	1.261739	-0.37353	1.079218	0.95				1.11
5	20.38	26.61	6.23	800	600	32.10	0.89	68	24.5	0.5289043	1.389166	-0.27662	1.079218	0.90				1.04
6	26.61	33.71	7.1	600	400	28.17	0.78	68	31.6	0.6346851	1.499687	-0.19744	1.079218	0.79				0.98
7	33.71	41.19	7.48	400	200	26.74	0.74	68	39.08	0.740466	1.591955	-0.13049	1.079218	0.75				0.94
8	42.94	49.64	6.7	1000	800	29.85	0.83	69	45.78	0.8462468	1.660676	-0.0725	1.062378	0.83				0.90
9	49.64	56.48	6.837	800	600	29.25	0.81	69	52.617	0.9520277	1.721126	-0.02135	1.062378	0.81				0.87
10	56.48	64.20	7.723	600	400	25.90	0.72	69	60.34	1.0578086	1.780605	0.024407	1.062378	0.72				0.85
11	64.20	71.55	7.35	400	200	27.21	0.75	69	67.69	1.1635894	1.830525	0.0658	1.062378	0.75				0.82
12	73.07	81.40	8.33	1000	800	24.01	0.67	69	76.02	1.2693703	1.880928	0.103588	1.062378	0.67				0.80
13	81.40	89.28	7.88	800	600	25.38	0.70	69	83.9	1.3751511	1.923762	0.13835	1.062378	0.70				0.79
14	89.28	104.62	15.34	600	200	26.08	0.72	69	99.24	1.5867128	1.996687	0.200498	1.062378	0.72				0.76
15	106.20	115.11	8.91	1000	800	22.45	0.62	69	108.15	1.6924937	2.034027	0.228527	1.062378	0.62				0.74
16	115.11	122.24	7.13	800	600	28.05	0.78	69	115.28	1.7982746	2.061754	0.254856	1.062378	0.78				0.73
17	122.24	130.02	7.78	600	400	25.71	0.71	69	123.06	1.9040554	2.090117	0.27968	1.062378	0.71				0.72
18	130.02	136.76	6.74	400	200	29.67	0.82	69	129.8	2.0098363	2.113275	0.303161	1.062378	0.82				0.71
19	138.91	143.18	4.27	1000	900	23.42	0.65	69	134.07	2.0627267	2.127332	0.314442	1.062378	0.65				0.71
20	143.18	148.70	5.52	900	800	18.12	0.50	69	139.59	2.1156171	2.144854	0.325437	1.062378	0.50				0.70
21	148.70	152.98	4.28	800	700	23.36	0.65	69	143.87	2.1685076	2.15797	0.336161	1.062378	0.65				0.69
22	152.98	157.16	4.18	700	600	23.92	0.66	69	148.05	2.221398	2.170408	0.346626	1.062378	0.66				0.69
23	157.16	160.72	3.56	600	500	28.09	0.78	69	151.61	2.2742884	2.180728	0.356846	1.062378	0.78				0.69
24	160.72	163.56	2.84	500	400	35.21	0.98	69	154.45	2.3271788	2.188788	0.36683	1.062378	0.98				0.68
25	163.56	168.60	5.04	400	300	19.84	0.55	69	159.49	2.3800693	2.202733	0.37659	1.062378	0.55				0.68
26	168.60	172.74	4.14	300	200	24.15	0.67	69	163.63	2.4329597	2.213863	0.386135	1.062378	0.67				0.67
27	176.12	179.90	3.785	950	850	26.42	0.73	69	167.415	2.4858501	2.223794	0.395475	1.062378	0.73				0.67
28	179.90	183.32	3.42	850	750	29.24	0.81	70	170.835	2.5387405	2.232577	0.404618	1.045801	0.80				0.67
29	183.32	186.35	3.03	750	650	33.00	0.91	70	173.865	2.591631	2.240212	0.413573	1.045801	0.90				0.66
30	186.35	190.47	4.12	650	550	24.27	0.67	70	177.985	2.6445214	2.250383	0.422347	1.045801	0.66				0.66
31	190.47	199.25	8.78	550	350	22.78	0.63	70	186.765	2.7503023	2.271295	0.43938	1.045801	0.62				0.65
32	201.76	212.22	10.46	1000	800	19.12	0.53	70	197.225	2.8560831	2.294962	0.455771	1.045801	0.52				0.65
33	212.22	221.78	9.56	800	600	20.92	0.58	70	206.785	2.961864	2.315519	0.471565	1.045801	0.57				0.64
34	221.78	231.17	9.39	600	400	21.30	0.59	70	216.175	3.0676448	2.334805	0.486805	1.045801	0.58				0.63

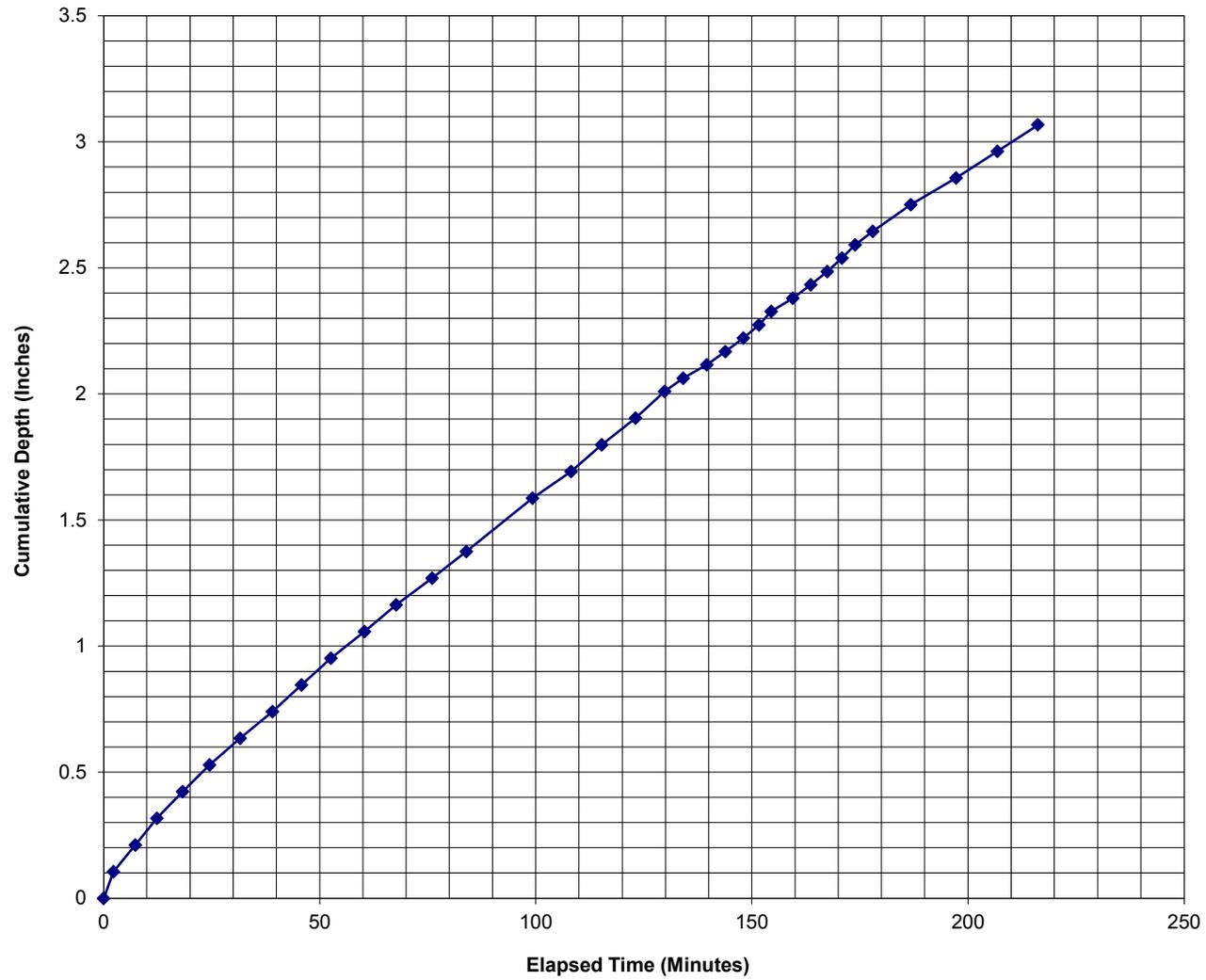
**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-17	Project:	Mountaire Farms	Test Designation:	DR-17
		Test Location:	TP-17	W.O.:	4940d	Test Location:	TP-17
W.O.:	4940d	Inner Ring Dia. (ft):	1.01	Date:	10/4/2019		
		Outer Ring Dia. (ft):	2.03				
Date:	10/4/2019	Inner Ring Area (sqin):	115.37	Test K V =	1.062378		
Soil Series:		Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
Test Depth:	40 inches	Water Temp. (F):	69.00				

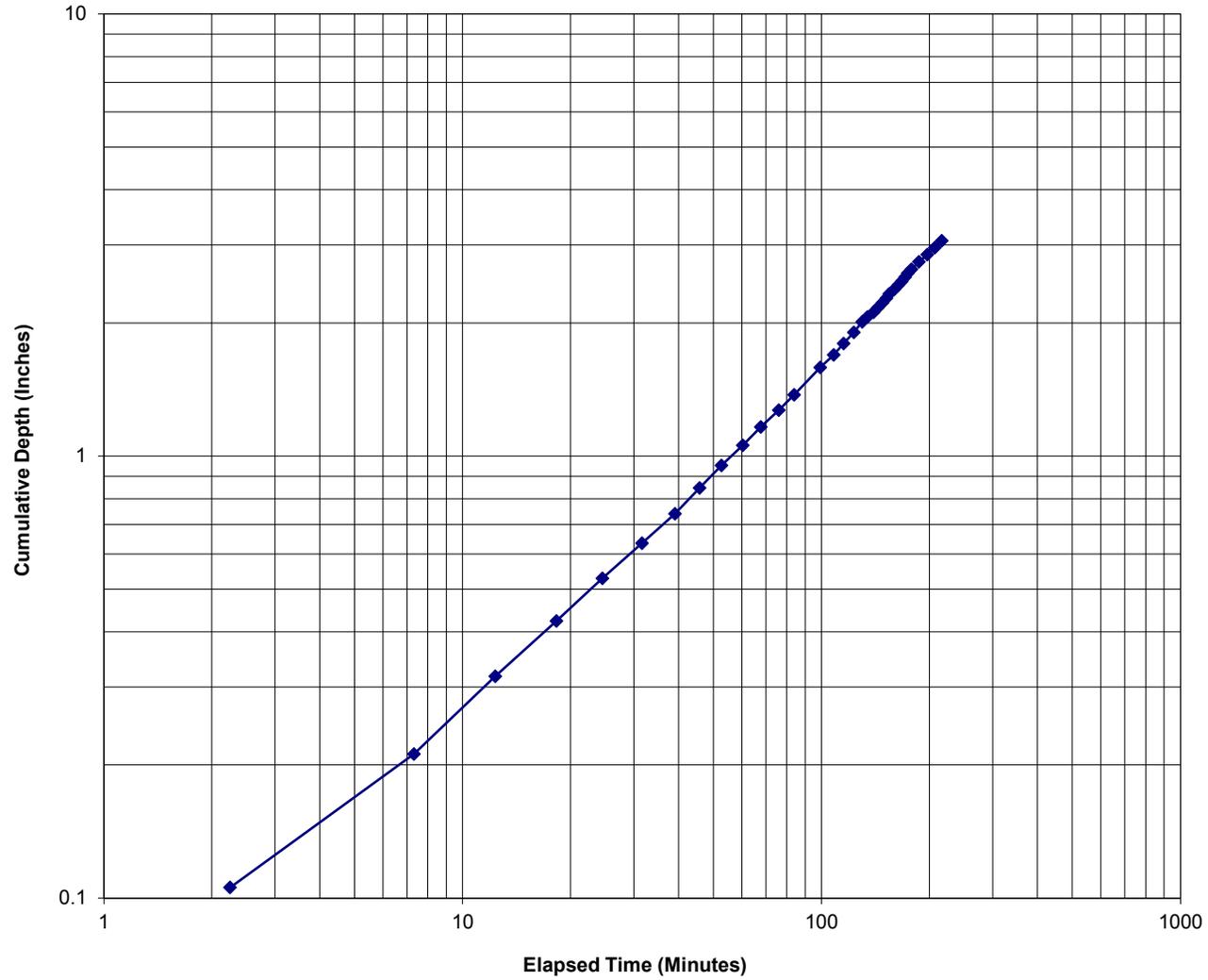
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	m-1	Rate	R^2
			0			0			0	0								
1	0.00	33.71	33.71	50	48	0.06	2.05	68	33.71	1.3173905	1.527759	0.119715	1.079218	2.08				1.76
2	33.71	73.07	39.36	48	46	0.05	1.75	69	73.07	2.634781	1.863739	0.420745	1.062378	1.75				1.41
3	73.07	136.76	63.69	46	44.5	0.02	0.81	69	136.76	3.6228239	2.135959	0.559047	1.062378	0.81				1.18
4	136.76	157.16	20.4	44.5	44	0.02	0.85	69	157.16	3.9521715	2.196342	0.596836	1.062378	0.85				1.14
5	157.16	176.15	18.99	44	43	0.05	1.82	69	176.15	4.6108668	2.245883	0.663783	1.062378	1.82				1.10
6	176.76	199.25	22.49	43	42.5	0.02	0.77	70	198.64	4.9402144	2.298067	0.693746	1.045801	0.76				1.06

**Mountaire Farms of Delaware  
Infiltrometer Test DR-17**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-17**



**Double Ring Infiltrometer  
Test Results**

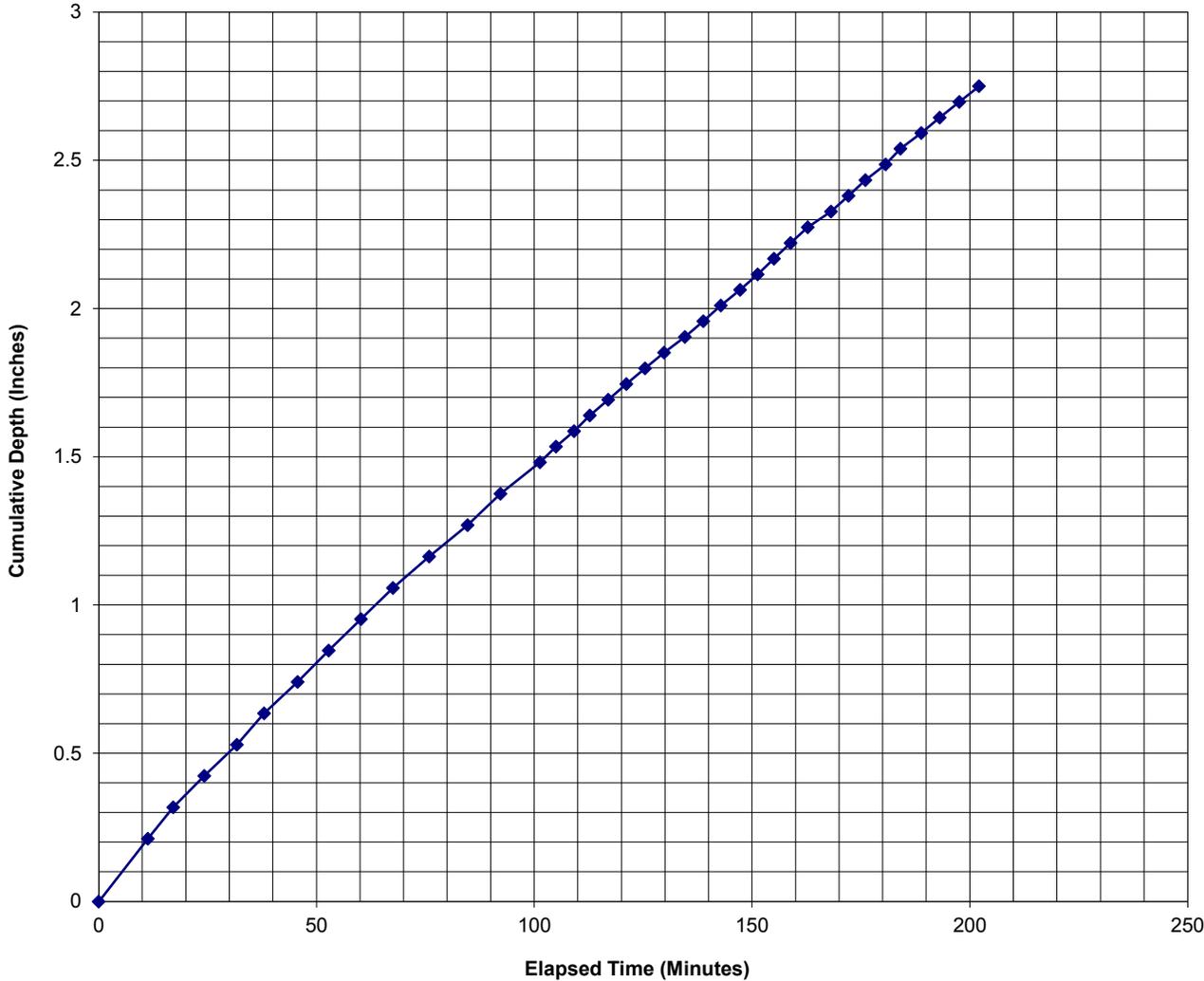
**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/4/2019  
 Soil Series:  
 Test Depth: 34 inches  
 Test Designation: DR-18  
 Test Location: TP 18  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 78.54

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/4/2019  
 Test Designation: DR-18  
 Test Location: TP 18  
 Test K V = 0.91436  
 K V @ 60 = 1.217

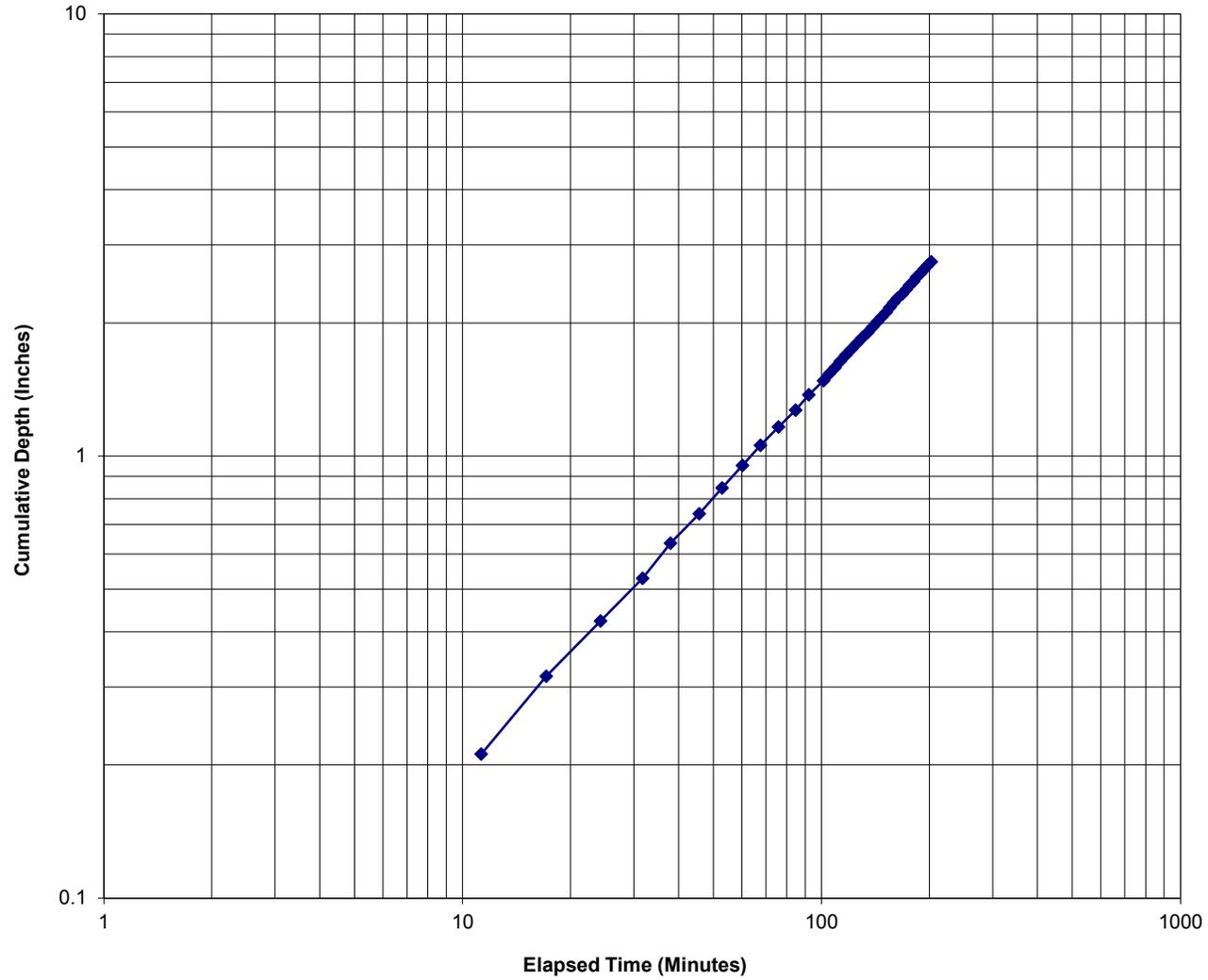
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min) m-1	202.13 -0.119	Rate R^2	0.72 0.999883
1	0.00	11.26	11.26	3200	2800	35.52	0.85	74	11.26	0.2115617	1.051538	-0.67456	0.98204	0.91				1.01
2	11.26	17.11	5.85	2800	2600	34.19	0.82	74	17.11	0.3173426	1.23325	-0.49847	0.98204	0.88				0.96
3	17.11	24.24	7.13	2600	2400	28.05	0.67	74	24.24	0.4231234	1.384533	-0.37353	0.98204	0.72				0.92
4	24.24	31.71	7.47	2400	2200	26.77	0.64	74	31.71	0.5289043	1.501196	-0.27662	0.98204	0.69				0.89
5	31.71	37.95	6.24	2200	2000	32.05	0.76	74	37.95	0.6346851	1.579212	-0.19744	0.98204	0.82				0.88
6	37.95	45.69	7.74	2000	1800	25.84	0.62	74	45.69	0.740466	1.659821	-0.13049	0.98204	0.66				0.86
7	45.69	52.80	7.11	1800	1600	28.13	0.67	76	52.8	0.8462468	1.722634	-0.0725	0.951632	0.70				0.84
8	52.80	60.19	7.39	1600	1400	27.06	0.65	76	60.19	0.9520277	1.779524	-0.02135	0.951632	0.67				0.83
9	60.19	67.57	7.38	1400	1200	27.10	0.65	78	67.57	1.0578086	1.829754	0.024407	0.922166	0.65				0.82
10	67.57	75.89	8.32	1200	1000	24.04	0.57	78	75.89	1.1635894	1.880185	0.0658	0.922166	0.58				0.81
11	75.89	84.67	8.78	1000	800	22.78	0.54	78	84.67	1.2693703	1.92773	0.103588	0.922166	0.55				0.80
12	84.67	92.21	7.54	800	600	26.53	0.63	78	92.21	1.3751511	1.964778	0.13835	0.922166	0.64				0.79
13	92.21	101.32	9.11	600	400	21.95	0.52	78	101.32	1.480932	2.005695	0.170535	0.922166	0.53				0.78
14	113.20	116.90	3.7	3600	3500	27.03	0.64	80	105.02	1.5338224	2.021272	0.185775	0.893612	0.63				0.78
15	116.90	121.01	4.11	3500	3400	24.33	0.58	80	109.13	1.5867128	2.037944	0.200498	0.893612	0.57				0.77
16	121.01	124.64	3.63	3400	3300	27.55	0.66	80	112.76	1.6396033	2.052155	0.214739	0.893612	0.64				0.77
17	124.64	128.88	4.24	3300	3200	23.58	0.56	80	117	1.6924937	2.068186	0.228527	0.893612	0.55				0.77
18	128.88	132.99	4.11	3200	3100	24.33	0.58	80	121.11	1.7453841	2.08318	0.241891	0.893612	0.57				0.76
19	132.99	137.29	4.3	3100	3000	23.26	0.55	80	125.41	1.7982746	2.098332	0.254856	0.893612	0.54				0.76
20	137.29	141.66	4.37	3000	2900	22.88	0.55	80	129.78	1.851165	2.113208	0.267445	0.893612	0.53				0.76
21	141.66	146.50	4.84	2900	2800	20.66	0.49	80	134.62	1.9040554	2.12911	0.27968	0.893612	0.48				0.75
22	146.50	150.67	4.17	2800	2700	23.98	0.57	80	138.79	1.9569458	2.142358	0.291579	0.893612	0.56				0.75
23	150.67	154.73	4.06	2700	2600	24.63	0.59	80	142.85	2.0098363	2.15488	0.303161	0.893612	0.57				0.75
24	154.73	159.13	4.4	2600	2500	22.73	0.54	80	147.25	2.0627267	2.168055	0.314442	0.893612	0.53				0.74
25	159.13	163.20	4.07	2500	2400	24.57	0.59	80	151.32	2.1156171	2.179896	0.325437	0.893612	0.57				0.74
26	163.20	166.92	3.72	2400	2300	26.88	0.64	80	155.04	2.1685076	2.190444	0.336161	0.893612	0.63				0.74
27	166.92	170.74	3.82	2300	2200	26.18	0.62	80	158.86	2.221398	2.201015	0.346626	0.893612	0.61				0.74
28	170.74	174.70	3.96	2200	2100	25.25	0.60	80	162.82	2.2742884	2.211708	0.356846	0.893612	0.59				0.74
29	174.70	180.02	5.32	2100	2000	18.80	0.45	80	168.14	2.3271788	2.225671	0.36683	0.893612	0.44				0.73
30	180.02	184.04	4.02	2000	1900	24.88	0.59	80	172.16	2.3800693	2.235932	0.37659	0.893612	0.58				0.73
31	184.04	187.90	3.86	1900	1800	25.91	0.62	80	176.02	2.4329597	2.245562	0.386135	0.893612	0.60				0.73
32	187.90	192.57	4.67	1800	1700	21.41	0.51	80	180.69	2.4858501	2.256934	0.395475	0.893612	0.50				0.73
33	192.57	195.97	3.4	1700	1600	29.41	0.70	80	184.09	2.5387405	2.26503	0.404618	0.893612	0.69				0.73
34	195.97	200.74	4.77	1600	1500	20.96	0.50	80	188.86	2.591631	2.27614	0.413573	0.893612	0.49				0.72
35	200.74	204.96	4.22	1500	1400	23.70	0.56	80	193.08	2.6445214	2.285737	0.422347	0.893612	0.55				0.72
36	204.96	209.46	4.5	1400	1300	22.22	0.53	80	197.58	2.6974118	2.295743	0.430947	0.893612	0.52				0.72
37	209.46	214.01	4.55	1300	1200	21.98	0.52	80	202.13	2.7503023	2.305631	0.43938	0.893612	0.51				0.72

**Mountaire Farms of Delaware  
Infiltrometer Test DR-18**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-18**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-18	Project:	Mountaire Farms	Test Designation:	DR-18
		Test Location:	TP 18	W.O.:	4940d	Test Location:	TP 18
W.O.:	4940d	Inner Ring Dia. (ft):	1.01	Date:	10/4/2019		
		Outer Ring Dia. (ft):	2.03				
Date:	10/4/2019	Inner Ring Area (sqin):	115.37	Test K V =	0.916383		
Soil Series:		Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
Test Depth:	34 inches	Water Temp. (F):	78.40				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	m-1	Rate	R^2
			0			0			0	0								
1	0.00	60.19	60.19	50	47.5	0.04	1.24	74	60.19	1.6467381	1.779524	0.216625	0.98204	1.32				2.29
2	60.19	113.20	53.01	47.5	43	0.08	2.53	78	113.2	4.6108668	2.053846	0.663783	0.922166	2.54				2.84
3	113.20	141.66	28.46	43	42.5	0.02	0.52	80	141.66	4.9402144	2.151247	0.693746	0.893612	0.51				3.06
4	141.66	180.02	38.36	42.5	39	0.09	2.72	80	180.02	7.2456478	2.255321	0.860077	0.893612	2.65				3.32
5	180.02	192.57	12.55	39	37.5	0.12	3.56	80	192.57	8.2336907	2.284589	0.915595	0.893612	3.47				3.40

**Double Ring Infiltrometer  
Test Results**

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/10/2019  
 Soil Series:  
 Test Depth: 12 inches

Test Designation: DR-19  
 Test Location: TP 19  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 65.23

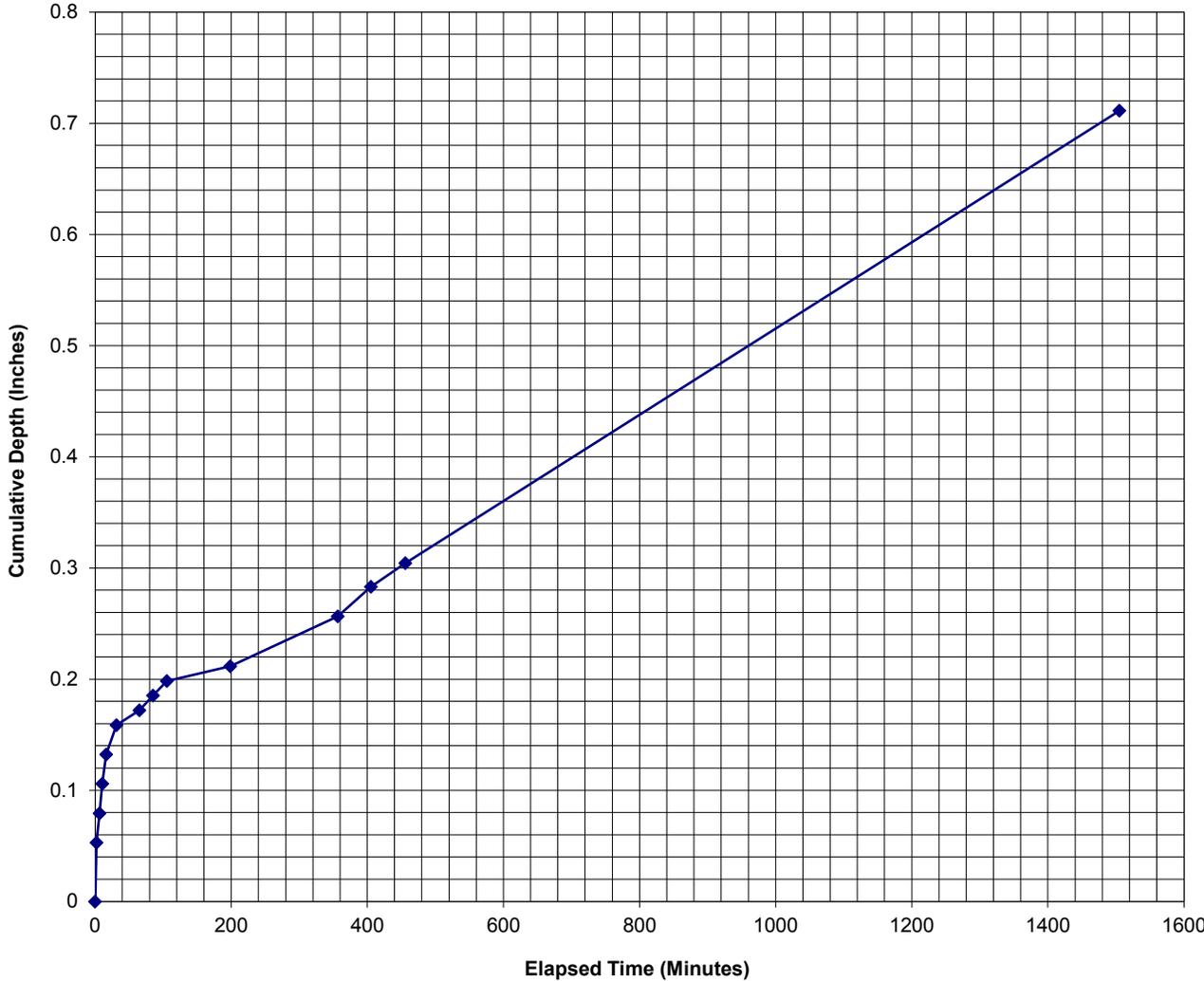
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/10/2019

Test Designation: DR-19  
 Test Location: TP 19

Test K V = 1.127257  
 K V @ 60 = 1.217

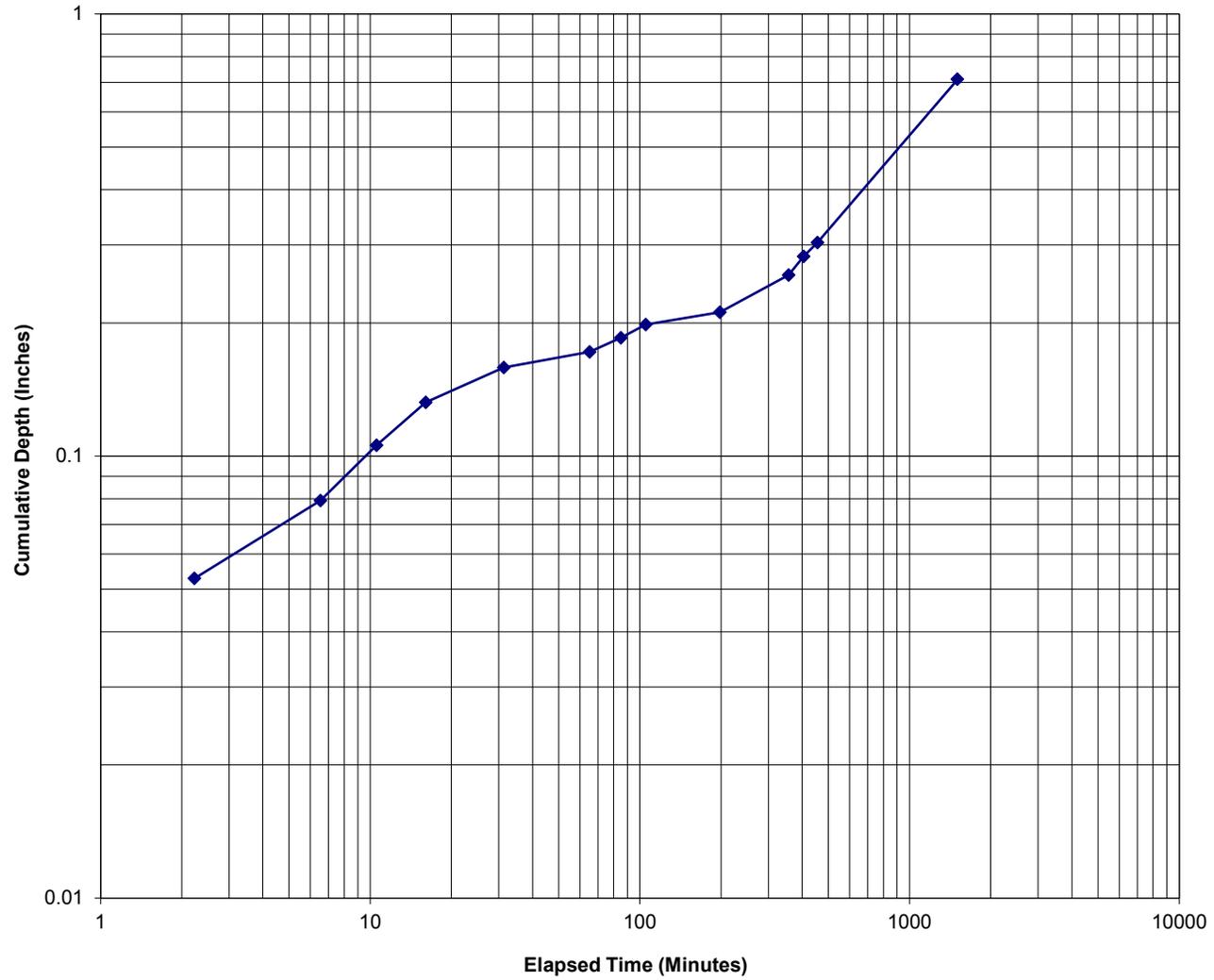
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	1505.1	Rate	0.01
															m-1	-0.66899	R^2	0.94235
															m	0.331009		
															b	0.043986		
															bm	0.01456		
1	0.00	2.23	2.23	1250	1150	44.84	1.32	65	2.23	0.05289043	0.348305	-1.27662	1.131355	1.32				0.51
2	2.23	6.54	4.31	1150	1100	11.60	0.34	65	6.54	0.07933564	0.815578	-1.10053	1.131355	0.34				0.25
3	6.54	10.57	4.03	1100	1050	12.41	0.36	65	10.57	0.10578086	1.024075	-0.97559	1.131355	0.37				0.18
4	10.57	16.08	5.51	1050	1000	9.07	0.27	65	16.08	0.13222607	1.206286	-0.87868	1.131355	0.27				0.14
5	16.08	31.34	15.26	1000	950	3.28	0.10	65	31.34	0.15867128	1.496099	-0.7995	1.131355	0.10				0.09
6	31.34	65.13	33.79	950	925	0.74	0.02	65	65.13	0.17189389	1.813781	-0.76474	1.131355	0.02				0.05
7	65.13	84.98	19.85	925	900	1.26	0.04	65	84.98	0.1851165	1.929317	-0.73255	1.131355	0.04				0.04
8	84.98	105.25	20.27	900	875	1.23	0.04	64	105.25	0.19833911	2.022222	-0.70259	1.149288	0.04				0.04
9	107.01	200.15	93.14	1350	1325	0.27	0.01	66	198.39	0.21156171	2.29752	-0.67456	1.113702	0.01				0.03
10	200.15	358.45	158.3	1325	1240	0.54	0.02	66	356.69	0.25651858	2.552291	-0.59088	1.113702	0.02				0.02
11	358.45	407.21	48.76	1240	1190	1.03	0.03	66	405.45	0.28296379	2.607937	-0.54827	1.113702	0.03				0.02
12	407.21	457.45	50.24	1190	1150	0.80	0.02	73	455.69	0.30411996	2.658669	-0.51696	0.997606	0.02				0.01
13	460.59	1510.00	1049.41	1375	605	0.73	0.02	58	1505.1	0.71137626	3.177565	-0.1479	1.263016	0.02				0.01

**Mountaire Farms of Delaware  
Infiltrometer Test DR-19**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-19**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-19  
 W.O.: 4940d Test Location: TP 19  
 Date: 10/10/2019 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series: Water Temp. (F): 61.50  
 Test Depth: 12 inches

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-19  
 W.O.: 4940d Test Location: TP 19  
 Date: 10/10/2019  
 Test K V = 1.195375  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
			0			0			0	0					460.59	1.12
			407.21	50	49.8	0.00	0.02	65	407.21	0.131739051	2.609818	-0.88029	1.131355	0.02	m-1	12.06582
			53.38	49.8	49	0.01	0.58	58	460.59	0.658695255	2.663315	-0.18132	1.263016	0.61	m	13.065820
															b	1.048E-35
															bm	0.00000
1	0.00	407.21	407.21	50	49.8	0.00	0.02	65	407.21	0.131739051	2.609818	-0.88029	1.131355	0.02		0.25
2	407.21	460.59	53.38	49.8	49	0.01	0.58	58	460.59	0.658695255	2.663315	-0.18132	1.263016	0.61		1.12

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/10/2019  
 Soil Series:  
 Test Depth: 45 inches

Test Designation: DR-20  
 Test Location: TP 20  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 62.60

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/10/2019

Test Designation: DR-20  
 Test Location: TP 20

Test K V = 1.174961  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	117.4	Rate	32.53
															m-1	-0.03104	R^2	0.999898
															b	0.64866		
															bm	0.62853		
1	0.00	0.80	0.8	3400	2400	1250.00	38.30	63	0.8	0.528904281	-0.09691	-0.27662	1.167506	38.05				37.97
2	0.80	1.61	0.81	2400	1400	1234.57	37.82	63	1.61	1.057808562	0.206826	0.024407	1.167506	37.58				37.16
3	1.61	2.61	1	1400	400	1000.00	30.64	63	2.61	1.586712843	0.416641	0.200498	1.167506	30.44				36.61
4	5.73	6.57	0.84	3600	2600	1190.48	36.47	63	3.45	2.115617124	0.537819	0.325437	1.167506	36.24				36.29
5	6.57	7.40	0.83	2600	1600	1204.82	36.91	63	4.28	2.644521405	0.631444	0.422347	1.167506	36.68				36.05
6	7.40	8.21	0.81	1600	600	1234.57	37.82	63	5.09	3.173425686	0.706718	0.501528	1.167506	37.58				35.85
7	10.93	11.90	0.97	3600	2600	1030.93	31.59	63	6.06	3.702329967	0.782473	0.568475	1.167506	31.39				35.66
8	11.90	12.77	0.87	2600	1600	1149.43	35.22	63	6.93	4.231234248	0.840733	0.626467	1.167506	34.99				35.51
9	12.77	13.63	0.86	1600	600	1162.79	35.63	63	7.79	4.760138529	0.891537	0.67762	1.167506	35.40				35.38
10	16.00	16.96	0.96	3700	2700	1041.67	31.91	62	8.75	5.28904281	0.942008	0.723377	1.186012	32.21				35.26
11	16.96	17.83	0.87	2700	1700	1149.43	35.22	62	9.62	5.817947091	0.983175	0.76477	1.186012	35.55				35.15
12	17.83	18.72	0.89	1700	700	1123.60	34.42	62	10.51	6.346851372	1.021603	0.802558	1.186012	34.75				35.06
13	19.83	20.61	0.78	3400	2400	1282.05	39.28	62	11.29	6.875755653	1.052694	0.83732	1.186012	39.65				34.98
14	20.61	21.49	0.88	2400	1400	1136.36	34.82	62	12.17	7.404659934	1.085291	0.869505	1.186012	35.14				34.90
15	21.49	22.36	0.87	1400	400	1149.43	35.22	62	13.04	7.933564215	1.115278	0.899468	1.186012	35.55				34.82
16	23.73	24.77	1.04	3700	2700	961.54	29.46	62	14.08	8.462468497	1.148603	0.927497	1.186012	29.74				34.74
17	24.77	25.70	0.93	2700	1700	1075.27	32.94	62	15.01	8.991372778	1.176381	0.953826	1.186012	33.25				34.67
18	25.70	26.60	0.9	1700	700	1111.11	34.04	62	15.91	9.520277059	1.20167	0.97865	1.186012	34.36				34.61
19	28.36	29.31	0.95	3700	2700	1052.63	32.25	62	16.86	10.04918134	1.226858	1.002131	1.186012	32.55				34.55
20	29.31	30.20	0.89	2700	1700	1123.60	34.42	62	17.75	10.57808562	1.249198	1.024407	1.186012	34.75				34.49
21	30.20	31.13	0.93	1700	700	1075.27	32.94	62	18.68	11.1069899	1.271377	1.045596	1.186012	33.25				34.44
22	32.17	33.00	0.83	3700	2700	1204.82	36.91	62	19.51	11.63589418	1.290257	1.0658	1.186012	37.26				34.39
23	33.00	33.88	0.88	2700	1700	1136.36	34.82	62	20.39	12.16479846	1.309417	1.085105	1.186012	35.14				34.34
24	33.88	34.77	0.89	1700	700	1123.60	34.42	62	21.28	12.69370274	1.327972	1.103588	1.186012	34.75				34.30
25	40.57	41.48	0.91	3700	2700	1098.90	33.67	62	22.19	13.22260703	1.346157	1.121317	1.186012	33.98				34.25
26	41.48	42.42	0.94	2700	1700	1063.83	32.59	62	23.13	13.75151131	1.364176	1.13835	1.186012	32.90				34.21
27	42.42	43.35	0.93	1700	700	1075.27	32.94	62	24.06	14.28041559	1.381296	1.154741	1.186012	33.25				34.17
28	44.36	45.27	0.91	3700	2700	1098.90	33.67	62	24.97	14.80931987	1.397419	1.170535	1.186012	33.98				34.13
29	45.27	46.19	0.92	2700	1700	1086.96	33.30	62	25.89	15.33822415	1.413132	1.185775	1.186012	33.62				34.09
30	46.19	47.12	0.93	1700	700	1075.27	32.94	62	26.82	15.86712843	1.428459	1.200498	1.186012	33.25				34.05
31	48.98	49.92	0.94	3700	2700	1063.83	32.59	62	27.76	16.39603271	1.443419	1.214739	1.186012	32.90				34.02
32	49.92	51.12	1.2	2700	1700	833.33	25.53	62	28.96	16.92493699	1.461799	1.228527	1.186012	25.77				33.97
33	51.12	52.06	0.94	1700	700	1063.83	32.59	62	29.9	17.45384127	1.475671	1.241891	1.186012	32.90				33.94
34	55.39	56.41	1.02	3700	2700	980.39	30.04	62	30.92	17.98274556	1.490239	1.254856	1.186012	30.32				33.90
35	56.41	57.36	0.95	2700	1700	1052.63	32.25	62	31.87	18.51164984	1.503382	1.267445	1.186012	32.55				33.87
36	57.36	58.32	0.96	1700	700	1041.67	31.91	62	32.83	19.04055412	1.516271	1.27968	1.186012	32.21				33.84
37	59.58	60.57	0.99	3700	2700	1010.10	30.95	62	33.82	19.5694584	1.529174	1.291579	1.186012	31.24				33.81
38	60.57	61.51	0.94	2700	1700	1063.83	32.59	62	34.76	20.09836268	1.54108	1.303161	1.186012	32.90				33.78
39	61.51	62.46	0.95	1700	700	1052.63	32.25	62	35.71	20.62726696	1.55279	1.314442	1.186012	32.55				33.75

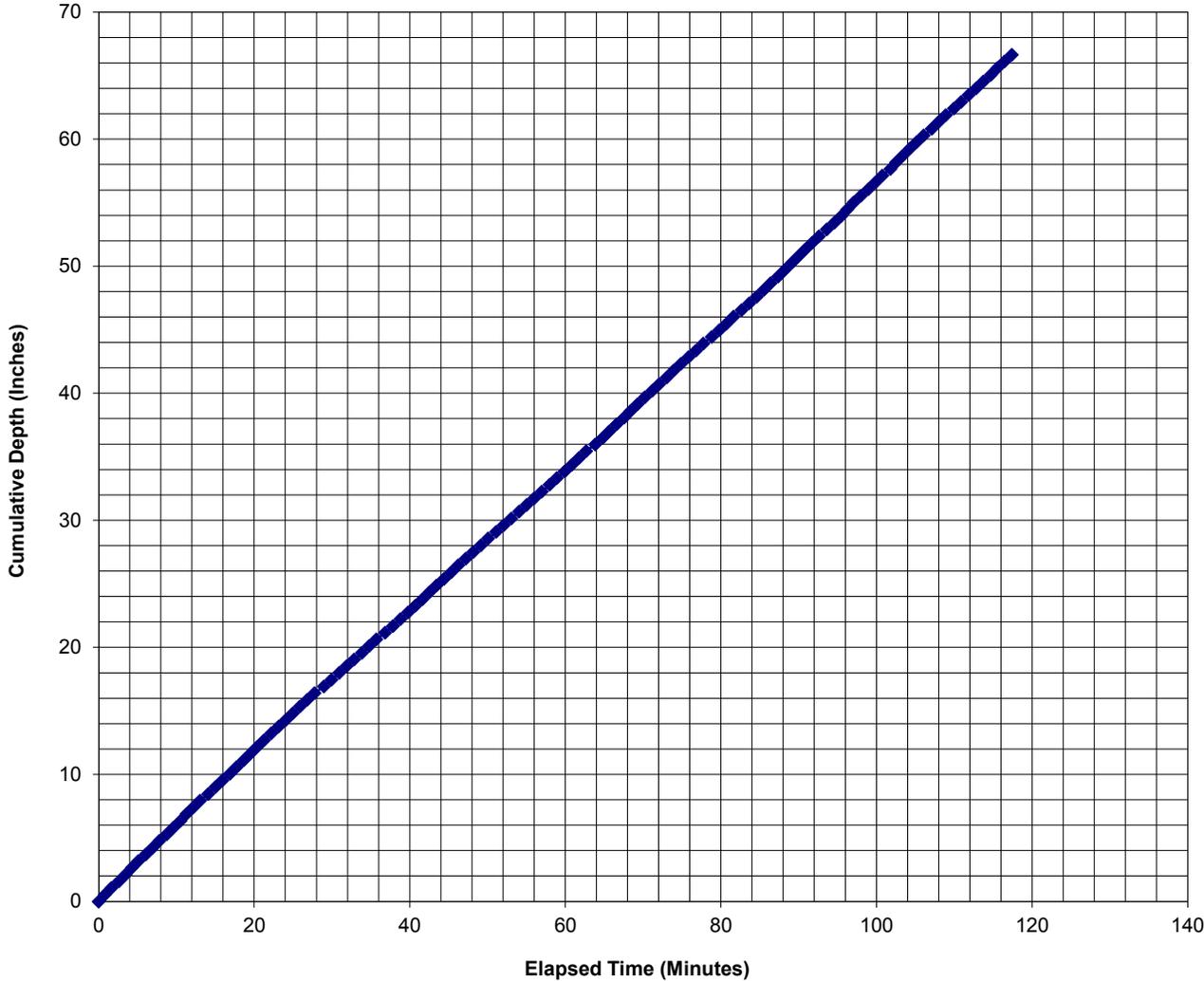
40	63.70	64.82	1.12	3700	2700	892.86	27.36	62	36.83	21.15617124	1.566202	1.325437	1.186012	27.61	33.72
41	64.82	65.83	1.01	2700	1700	990.10	30.33	62	37.84	21.68507552	1.577951	1.336161	1.186012	30.62	33.69
42	65.83	66.81	0.98	1700	700	1020.41	31.26	62	38.82	22.2139798	1.589056	1.346626	1.186012	31.56	33.66
43	67.97	68.91	0.94	3700	2700	1063.83	32.59	62	39.76	22.74288408	1.599446	1.356846	1.186012	32.90	33.64
44	68.91	69.84	0.93	2700	1700	1075.27	32.94	62	40.69	23.27178837	1.609488	1.36683	1.186012	33.25	33.61
45	69.84	70.79	0.95	1700	700	1052.63	32.25	62	41.64	23.80069265	1.619511	1.37659	1.186012	32.55	33.59
46	73.06	73.94	0.88	3400	2400	1136.36	34.82	62	42.52	24.32959693	1.628593	1.386135	1.186012	35.14	33.57
47	73.94	74.86	0.92	2400	1400	1086.96	33.30	62	43.44	24.85850121	1.63789	1.395475	1.186012	33.62	33.55
48	74.86	75.80	0.94	1400	400	1063.83	32.59	62	44.38	25.38740549	1.647187	1.404618	1.186012	32.90	33.52
49	77.19	78.12	0.93	3700	2700	1075.27	32.94	62	45.31	25.91630977	1.656194	1.413573	1.186012	33.25	33.50
50	78.12	79.05	0.93	2700	1700	1075.27	32.94	62	46.24	26.44521405	1.665018	1.422347	1.186012	33.25	33.48
51	79.05	80.02	0.97	1700	700	1030.93	31.59	62	47.21	26.97411833	1.674034	1.430947	1.186012	31.88	33.46
52	81.31	82.27	0.96	3700	2700	1041.67	31.91	62	48.17	27.50302261	1.682777	1.43938	1.186012	32.21	33.44
53	82.27	83.22	0.95	2700	1700	1052.63	32.25	62	49.12	28.03192689	1.691258	1.447653	1.186012	32.55	33.42
54	83.22	84.18	0.96	1700	700	1041.67	31.91	62	50.08	28.56083118	1.699664	1.455771	1.186012	32.21	33.40
55	85.27	86.30	1.03	3700	2700	970.87	29.75	62	51.11	29.08973546	1.708506	1.46374	1.186012	30.03	33.38
56	86.30	87.28	0.98	2700	1700	1020.41	31.26	62	52.09	29.61863974	1.716754	1.471565	1.186012	31.56	33.36
57	87.28	88.24	0.96	1700	700	1041.67	31.91	62	53.05	30.14754402	1.724685	1.479252	1.186012	32.21	33.34
58	89.87	90.88	1.01	3700	2700	990.10	30.33	62	54.06	30.6764483	1.732876	1.486805	1.186012	30.62	33.32
59	90.88	91.86	0.98	2700	1700	1020.41	31.26	62	55.04	31.20535258	1.740678	1.494229	1.186012	31.56	33.30
60	91.86	92.83	0.97	1700	700	1030.93	31.59	62	56.01	31.73425686	1.748266	1.501528	1.186012	31.88	33.28
61	94.51	95.49	0.98	3700	2700	1020.41	31.26	62	56.99	32.26316114	1.755799	1.508707	1.186012	31.56	33.26
62	95.49	96.47	0.98	2700	1700	1020.41	31.26	62	57.97	32.79206542	1.763203	1.515769	1.186012	31.56	33.25
63	96.47	97.43	0.96	1700	700	1041.67	31.91	62	58.93	33.32096971	1.770336	1.522718	1.186012	32.21	33.23
64	103.19	104.19	1	3500	2500	1000.00	30.64	62	59.93	33.84987399	1.777644	1.529557	1.186012	30.93	33.21
65	104.19	105.11	0.92	2500	1500	1086.96	33.30	62	60.85	34.37877827	1.784261	1.536229	1.186012	33.62	33.20
66	105.11	106.00	0.89	1500	500	1123.60	34.42	62	61.74	34.90768255	1.790567	1.542921	1.186012	34.75	33.18
67	107.61	108.56	0.95	3700	2700	1052.63	32.25	62	62.69	35.43658683	1.797198	1.549452	1.186012	32.55	33.17
68	108.56	109.71	1.15	2700	1700	869.57	26.64	62	63.84	35.96549111	1.805093	1.555886	1.186012	26.89	33.15
69	109.71	110.69	0.98	1700	700	1020.41	31.26	62	64.82	36.49439539	1.811709	1.562226	1.186012	31.56	33.13
70	111.90	112.75	0.85	3700	2700	1176.47	36.04	62	65.67	37.02329967	1.817367	1.568475	1.186012	36.38	33.12
71	112.75	113.69	0.94	2700	1700	1063.83	32.59	62	66.61	37.55220395	1.823539	1.574635	1.186012	32.90	33.10
72	113.69	114.63	0.94	1700	700	1063.83	32.59	62	67.55	38.08110823	1.829625	1.58071	1.186012	32.90	33.09
73	116.39	117.23	0.84	3700	2700	1190.48	36.47	62	68.39	38.61001252	1.834993	1.5867	1.186012	36.82	33.08
74	117.23	118.13	0.9	2700	1700	1111.11	34.04	62	69.29	39.1389168	1.840671	1.592609	1.186012	34.36	33.06
75	118.13	119.06	0.93	1700	700	1075.27	32.94	62	70.22	39.66782108	1.846461	1.598438	1.186012	33.25	33.05
76	120.44	121.39	0.95	3600	2600	1052.63	32.25	62	71.17	40.19672536	1.852297	1.604191	1.186012	32.55	33.04
77	121.39	122.30	0.91	2600	1600	1098.90	33.67	62	72.08	40.72562964	1.857815	1.609868	1.186012	33.98	33.02
78	122.30	123.26	0.96	1600	600	1041.67	31.91	62	73.04	41.25453392	1.863561	1.615472	1.186012	32.21	33.01
79	124.96	125.87	0.91	3700	2700	1098.90	33.67	62	73.95	41.7834382	1.868938	1.621004	1.186012	33.98	33.00
80	125.87	126.78	0.91	2700	1700	1098.90	33.67	62	74.86	42.31234248	1.87425	1.626467	1.186012	33.98	32.98
81	126.78	127.74	0.96	1700	700	1041.67	31.91	62	75.82	42.84124676	1.879784	1.631862	1.186012	32.21	32.97
82	129.34	130.33	0.99	3700	2700	1010.10	30.95	62	76.81	43.37015104	1.885418	1.637191	1.186012	31.24	32.96
83	130.33	131.26	0.93	2700	1700	1075.27	32.94	62	77.74	43.89905533	1.890645	1.642455	1.186012	33.25	32.95
84	131.26	132.35	1.09	1700	700	917.43	28.11	62	78.83	44.42795961	1.896692	1.647656	1.186012	28.37	32.93
85	134.29	135.25	0.96	3700	2700	1041.67	31.91	62	79.79	44.95686389	1.901948	1.652796	1.186012	32.21	32.92
86	135.25	136.17	0.92	2700	1700	1086.96	33.30	62	80.71	45.48576817	1.906927	1.657876	1.186012	33.62	32.91
87	136.17	137.09	0.92	1700	700	1086.96	33.30	62	81.63	46.01467245	1.91185	1.662896	1.186012	33.62	32.90
88	138.51	139.55	1.04	3700	2700	961.54	29.46	62	82.67	46.54357673	1.917348	1.66786	1.186012	29.74	32.88
89	139.55	140.50	0.95	2700	1700	1052.63	32.25	62	83.62	47.07248101	1.92231	1.672767	1.186012	32.55	32.87
90	140.50	141.47	0.97	1700	700	1030.93	31.59	62	84.59	47.60138529	1.927319	1.67762	1.186012	31.88	32.86
91	142.90	143.86	0.96	3700	2700	1041.67	31.91	62	85.55	48.13028957	1.93222	1.682418	1.186012	32.21	32.85
92	143.86	144.72	0.86	2700	1700	1162.79	35.63	62	86.41	48.65919386	1.936564	1.687165	1.186012	35.96	32.84
93	144.72	145.66	0.94	1700	700	1063.83	32.59	62	87.35	49.18809814	1.941263	1.69186	1.186012	32.90	32.83
94	147.92	148.77	0.85	3600	2600	1176.47	36.04	62	88.2	49.71700242	1.945469	1.696505	1.186012	36.38	32.82
95	148.77	149.66	0.89	2600	1600	1123.60	34.42	62	89.09	50.2459067	1.949829	1.701101	1.186012	34.75	32.81
96	149.66	150.55	0.89	1600	600	1123.60	34.42	62	89.98	50.77481098	1.954146	1.705648	1.186012	34.75	32.80

EARTH DATA INCORPORATED

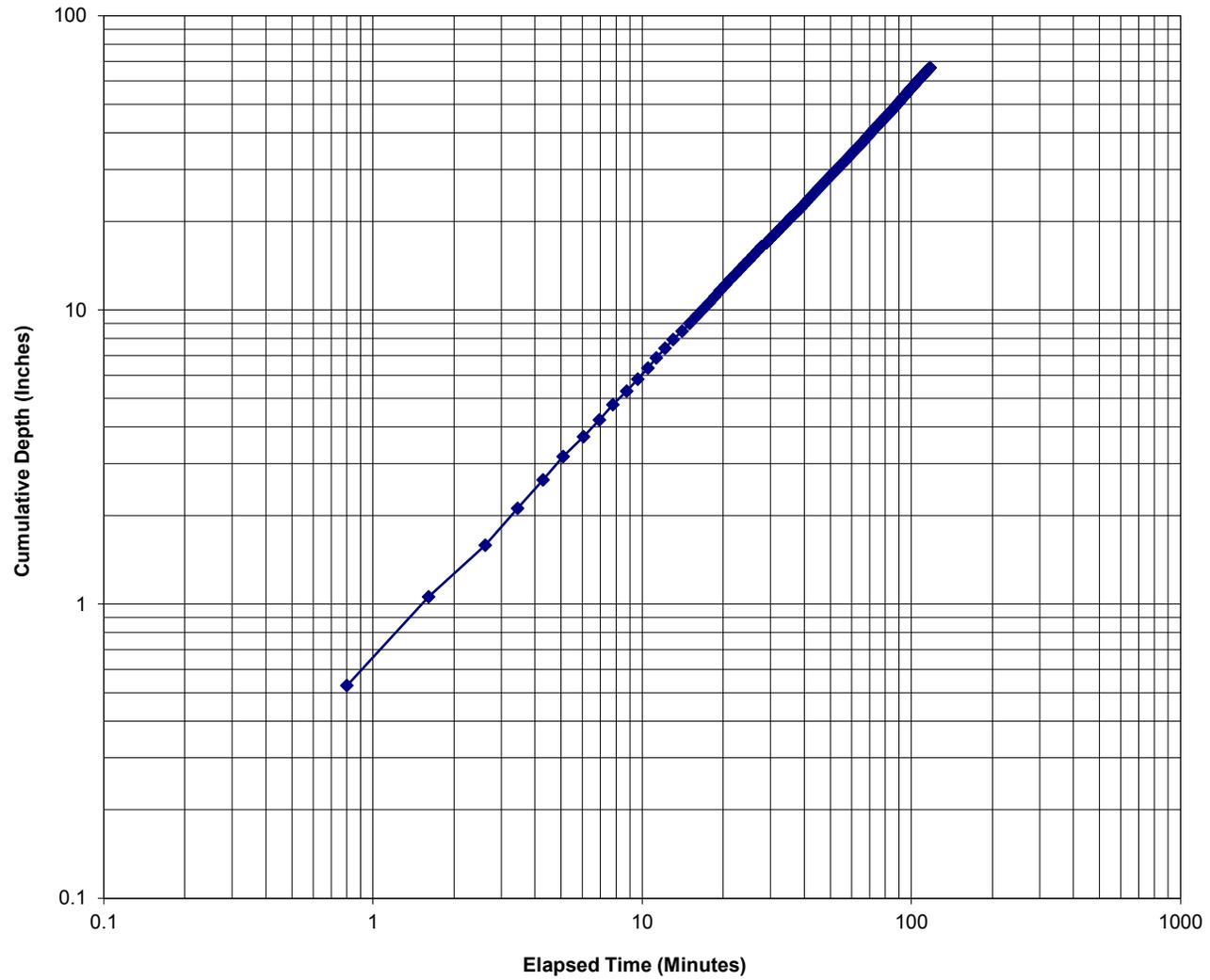
97	151.89	152.74	0.85	3700	2700	1176.47	36.04	62	90.83	51.30371526	1.958229	1.710149	1.186012	36.38
98	152.74	153.62	0.88	2700	1700	1136.36	34.82	62	91.71	51.83261954	1.962417	1.714603	1.186012	35.14
99	153.62	154.52	0.9	1700	700	1111.11	34.04	62	92.61	52.36152382	1.966658	1.719012	1.186012	34.36
100	156.19	157.21	1.02	3700	2700	980.39	30.04	62	93.63	52.8904281	1.971415	1.723377	1.186012	30.32
101	157.21	158.15	0.94	2700	1700	1063.83	32.59	62	94.57	53.41933238	1.975753	1.727698	1.186012	32.90
102	158.15	159.06	0.91	1700	700	1098.90	33.67	62	95.48	53.94823667	1.979912	1.731977	1.186012	33.98
103	160.60	161.36	0.76	3700	2700	1315.79	40.31	64	96.24	54.47714095	1.983356	1.736214	1.149288	39.43
104	161.36	162.20	0.84	2700	1700	1190.48	36.47	64	97.08	55.00604523	1.98713	1.74041	1.149288	35.68
105	162.20	163.10	0.9	1700	700	1111.11	34.04	64	97.98	55.53494951	1.991137	1.744566	1.149288	33.30
106	164.80	165.77	0.97	3700	2700	1030.93	31.59	64	98.95	56.06385379	1.995416	1.748683	1.149288	30.90
107	165.77	166.67	0.9	2700	1700	1111.11	34.04	64	99.85	56.59275807	1.999348	1.752761	1.149288	33.30
108	166.67	167.58	0.91	1700	700	1098.90	33.67	64	100.76	57.12166235	2.003288	1.756801	1.149288	32.93
109	169.59	170.65	1.06	3700	2700	943.40	28.90	64	101.82	57.65056663	2.007833	1.760804	1.149288	28.27
110	170.65	171.35	0.7	2700	1700	1428.57	43.77	64	102.52	58.17947091	2.010809	1.76477	1.149288	42.81
111	171.35	172.22	0.87	1700	700	1149.43	35.22	64	103.39	58.70837519	2.014479	1.7687	1.149288	34.45
112	174.74	175.65	0.91	3700	2700	1098.90	33.67	64	104.3	59.23727948	2.018284	1.772595	1.149288	32.93
113	175.65	176.54	0.89	2700	1700	1123.60	34.42	64	105.19	59.76618376	2.021974	1.776456	1.149288	33.67
114	176.54	177.43	0.89	1700	700	1123.60	34.42	64	106.08	60.29508804	2.025634	1.780282	1.149288	33.67
115	179.66	180.69	1.03	3700	2700	970.87	29.75	64	107.11	60.82399232	2.02983	1.784075	1.149288	29.10
116	180.69	181.58	0.89	2700	1700	1123.60	34.42	64	108	61.3528966	2.033424	1.787835	1.149288	33.67
117	181.58	182.48	0.9	1700	700	1111.11	34.04	64	108.9	61.88180088	2.037028	1.791563	1.149288	33.30
118	184.33	185.38	1.05	3700	2700	952.38	29.18	66	109.95	62.41070516	2.041195	1.795259	1.113702	27.66
119	185.38	186.33	0.95	2700	1700	1052.63	32.25	66	110.9	62.93960944	2.044932	1.798924	1.113702	30.57
120	186.33	187.29	0.96	1700	700	1041.67	31.91	66	111.86	63.46851372	2.048675	1.802558	1.113702	30.25
121	190.50	191.46	0.96	3700	2700	1041.67	31.91	66	112.82	63.997418	2.052386	1.806162	1.113702	30.25
122	191.46	192.35	0.89	2700	1700	1123.60	34.42	66	113.71	64.52632229	2.055799	1.809737	1.113702	32.63
123	192.35	193.32	0.97	1700	700	1030.93	31.59	66	114.68	65.05522657	2.059488	1.813282	1.113702	29.94
124	195.59	196.47	0.88	3700	2700	1136.36	34.82	66	115.56	65.58413085	2.062808	1.816799	1.113702	33.00
125	196.47	197.40	0.93	2700	1700	1075.27	32.94	66	116.49	66.11303513	2.066289	1.820287	1.113702	31.23
126	197.40	198.31	0.91	1700	700	1098.90	33.67	66	117.4	66.64193941	2.069668	1.823748	1.113702	31.91

32.79
32.78
32.77
32.76
32.75
32.74
32.73
32.72
32.71
32.70
32.69
32.68
32.67
32.66
32.66
32.65
32.64
32.63
32.62
32.61
32.60
32.59
32.58
32.57
32.56
32.55
32.54
32.53

**Mountaire Farms of Delaware  
Infiltrometer Test DR-20**



**Mountaire Farms of Delaware  
Infiltrometer Test DR-20**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-20	Project:	Mountaire Farms	Test Designation:	DR-20
W.O.:	4940d	Test Location:	TP 20	W.O.:	4940d	Test Location:	TP 20
Date:	10/10/2019	Inner Ring Dia. (ft):	1.01	Date:	10/10/2019		
		Outer Ring Dia. (ft):	2.03	Test K V =	1.161401		
Soil Series:		Inner Ring Area (sqin):	115.37	K V @ 60 =	1.217		
Test Depth:	45 inches	Outer Ring Area (sqin):	350.69				
		Water Temp. (F):	63.33				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	166.2	Rate	50.15
															m-1	-0.09634	R^2	0.998313
															m	0.903661		
															b	1.513773		
															bm	1.36794		
1	0.00	8.21	8.21	45	30	1.83	68.91	63	8.21	0	0.914343	0.994776	1.167506	69.27				67.01
2	16.00	22.36	6.36	50	36	2.20	83.02	63	14.57	19.1021624	1.16346	1.281083	1.167506	83.46				63.41
3	22.36	26.60	4.24	36	32	0.94	35.58	63	18.81	21.7369434	1.274389	1.337198	1.167506	35.77				61.86
4	26.60	32.17	5.57	32	25	1.26	47.40	63	24.38	26.3478102	1.387034	1.420745	1.167506	47.65				60.34
5	32.17	33.88	1.71	25	22.5	1.46	55.14	63	26.09	27.9945483	1.416474	1.447073	1.167506	55.43				59.95
6	40.57	44.36	3.79	22.5	17.5	1.32	49.76	63	29.88	31.2880246	1.475381	1.495378	1.167506	50.02				59.17
7	47.12	52.06	4.94	50	42	1.62	61.08	63	34.82	36.5575867	1.541829	1.562978	1.167506	61.40				58.30
8	52.06	62.46	10.4	42	27.5	1.39	52.59	63	45.22	46.1086679	1.655331	1.663783	1.167506	52.86				56.85
9	62.46	69.84	7.38	27.5	16	1.56	58.77	63	52.6	53.6836633	1.720986	1.729842	1.167506	59.08				56.03
10	73.06	75.80	2.74	50	45	1.82	68.83	63	55.34	56.9771396	1.743039	1.755701	1.167506	69.19				55.76
11	75.80	82.27	6.47	45	35	1.55	58.29	63	61.81	63.5640921	1.791059	1.803212	1.167506	58.60				55.17
12	82.27	94.51	12.24	35	17.5	1.43	53.92	63	74.05	75.0912591	1.869525	1.875589	1.167506	54.21				54.21
13	94.51	97.43	2.92	17.5	15	0.86	32.29	63	76.97	76.7379972	1.886321	1.88501	1.167506	32.46				54.01
14	103.19	106.00	2.81	47.5	44	1.25	46.98	63	79.78	79.0434306	1.901894	1.897866	1.167506	47.22				53.83
15	106.00	112.75	6.75	44	32.5	1.70	64.26	63	86.53	86.618426	1.937167	1.93761	1.167506	64.59				53.41
16	112.75	121.39	8.64	32.5	22.5	1.16	43.65	63	95.17	93.2053786	1.9785	1.969441	1.167506	43.88				52.92
17	121.39	122.30	0.91	22.5	20	2.75	103.62	63	96.08	94.8521167	1.982633	1.977047	1.167506	104.16				52.87
18	123.26	130.33	7.07	50	40	1.41	53.35	63	103.15	98.145593	2.013469	1.991871	1.167506	53.63				52.51
19	130.33	134.29	3.96	40	35	1.26	47.62	63	107.11	106.379284	2.02983	2.026857	1.167506	47.87				52.32
20	134.29	141.47	7.18	35	22.5	1.74	65.66	63	114.29	108.026022	2.058008	2.033528	1.167506	66.01				51.99
21	141.47	147.92	6.45	22.5	20	0.39	14.62	63	120.74	116.259713	2.081851	2.065429	1.167506	14.70				51.72
22	148.77	157.21	8.44	50	37.5	1.48	55.86	63	129.18	122.846665	2.111195	2.089363	1.167506	56.15				51.38
23	157.21	165.77	8.56	37.5	27.5	1.17	44.06	64	137.74	127.786879	2.13906	2.106486	1.149288	43.60				51.07
24	165.77	171.35	5.58	27.5	20	1.34	50.69	64	143.32	133.715137	2.156307	2.126181	1.149288	50.17				50.87
25	172.22	177.43	5.21	30	21	1.73	65.15	64	148.53	142.607523	2.171814	2.154142	1.149288	64.47				50.70
26	177.43	187.29	9.86	21	7.5	1.37	51.64	66	158.39	149.853171	2.199728	2.175666	1.113702	49.52				50.38
27	190.50	198.31	7.81	15	4	1.41	53.12	66	166.2	149.853171	2.220631	2.175666	1.113702	50.94				50.15

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/10/2019  
 Soil Series:  
 Test Depth: 36 inches

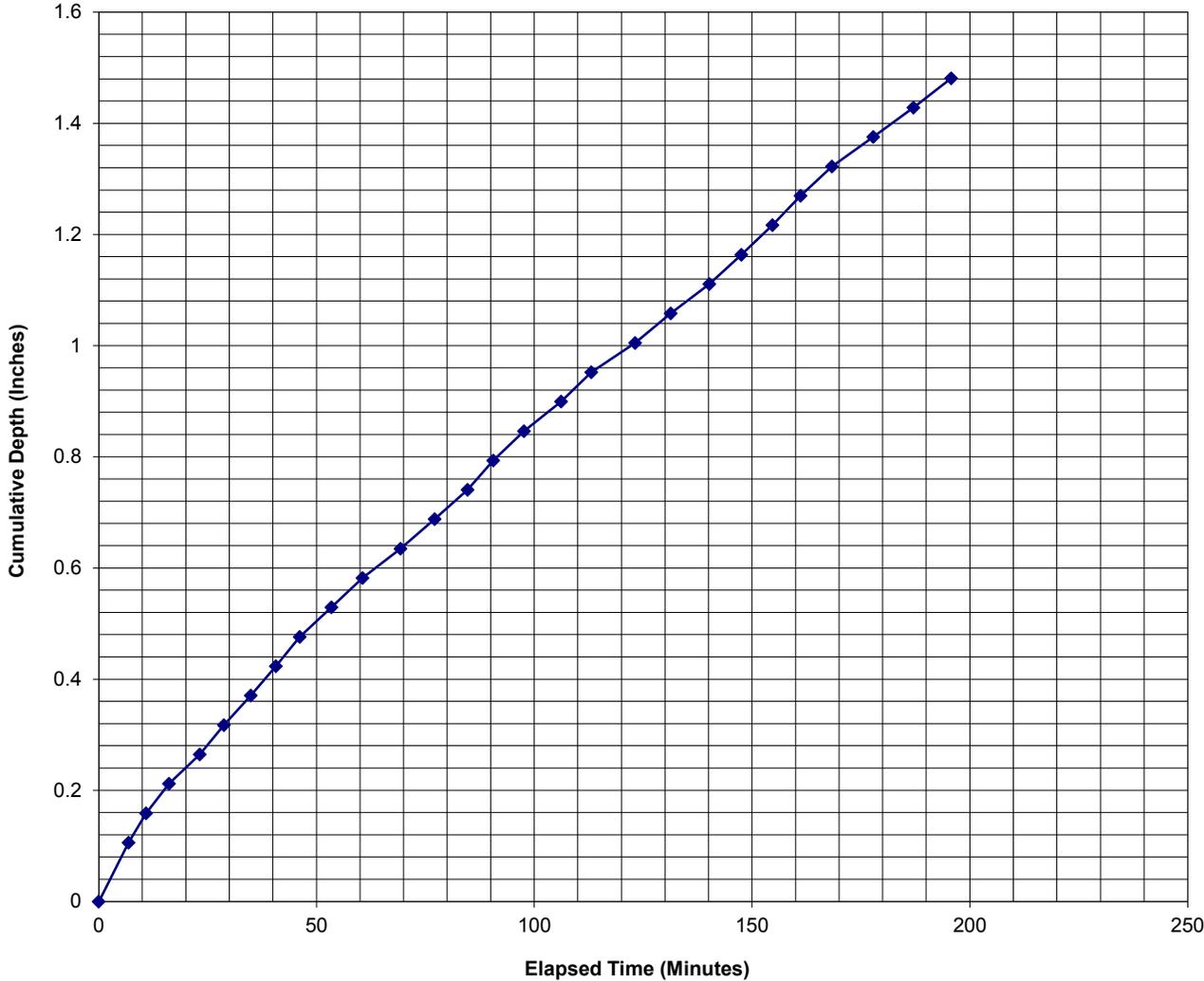
Test Designation: DR-21  
 Test Location: TP 21  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 66.56

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/10/2019  
 Test Designation: DR-21  
 Test Location: TP 21  
 Test K V = 1.104014  
 K V @ 60 = 1.217

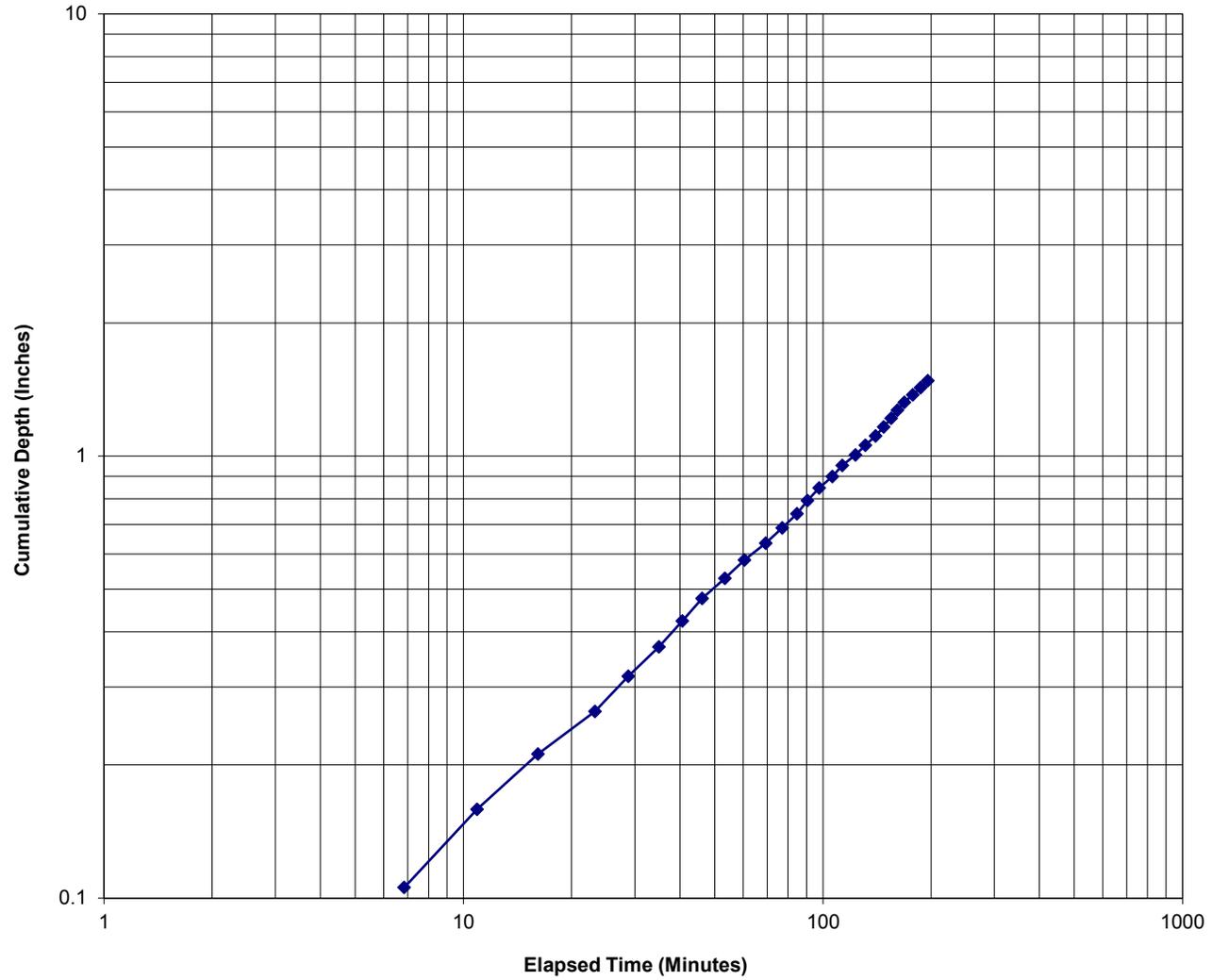
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
			0			0			0	0					195.69	0.35
															m-1	-0.21695
															m	0.783046
															b	0.023387
															bm	0.01831
1	0.00	6.84	6.84	750	550	29.24	0.84	65	6.84	0.10578086	0.835056	-0.97559	1.131355	0.86		0.72
2	6.84	10.90	4.06	550	450	24.63	0.71	65	10.9	0.15867128	1.037426	-0.7995	1.131355	0.73		0.65
3	10.90	16.12	5.22	450	350	19.16	0.55	65	16.12	0.21156171	1.207365	-0.67456	1.131355	0.57		0.60
4	19.06	26.15	7.09	950	850	14.10	0.41	65	23.21	0.26445214	1.365675	-0.57765	1.131355	0.42		0.56
5	26.15	31.70	5.55	850	750	18.02	0.52	65	28.76	0.31734257	1.458789	-0.49847	1.131355	0.53		0.53
6	31.70	37.88	6.18	750	650	16.18	0.47	65	34.94	0.370233	1.543323	-0.43152	1.131355	0.48		0.51
7	37.88	43.58	5.7	650	550	17.54	0.51	65	40.64	0.42312342	1.608954	-0.37353	1.131355	0.52		0.49
8	43.58	49.09	5.51	550	450	18.15	0.52	65	46.15	0.47601385	1.664172	-0.32238	1.131355	0.54		0.48
9	49.09	56.35	7.26	450	350	13.77	0.40	66	53.41	0.52890428	1.727623	-0.27662	1.113702	0.40		0.46
10	56.35	63.48	7.13	350	250	14.03	0.40	66	60.54	0.58179471	1.782042	-0.23523	1.113702	0.41		0.45
11	66.85	75.61	8.76	950	850	11.42	0.33	66	69.3	0.63468514	1.840733	-0.19744	1.113702	0.33		0.44
12	75.61	83.44	7.83	850	750	12.77	0.37	66	77.13	0.68757557	1.887223	-0.16268	1.113702	0.37		0.43
13	83.44	91.01	7.57	750	650	13.21	0.38	66	84.7	0.74046599	1.927883	-0.13049	1.113702	0.38		0.42
14	91.01	96.89	5.88	650	550	17.01	0.49	66	90.58	0.79335642	1.957032	-0.10053	1.113702	0.49		0.41
15	96.89	103.94	7.05	550	450	14.18	0.41	66	97.63	0.84624685	1.989583	-0.0725	1.113702	0.41		0.41
16	103.94	112.49	8.55	450	350	11.70	0.34	67	106.18	0.89913728	2.026043	-0.04617	1.096324	0.33		0.40
17	112.49	119.39	6.9	350	250	14.49	0.42	67	113.08	0.95202771	2.053386	-0.02135	1.096324	0.41		0.39
18	122.41	132.45	10.04	950	850	9.96	0.29	67	123.12	1.00491813	2.090329	0.002131	1.096324	0.28		0.39
19	132.45	140.65	8.2	850	750	12.20	0.35	67	131.32	1.05780856	2.118331	0.024407	1.096324	0.35		0.38
20	140.65	149.51	8.86	750	650	11.29	0.32	67	140.18	1.11069899	2.146686	0.045596	1.096324	0.32		0.38
21	149.51	156.91	7.4	650	550	13.51	0.39	68	147.58	1.16358942	2.169028	0.0658	1.079218	0.38		0.37
22	156.91	164.05	7.14	550	450	14.01	0.40	68	154.72	1.21647985	2.189546	0.085105	1.079218	0.39		0.37
23	164.05	170.49	6.44	450	350	15.53	0.45	68	161.16	1.26937027	2.207257	0.103588	1.079218	0.44		0.36
24	170.49	177.68	7.19	350	250	13.91	0.40	68	168.35	1.3222607	2.226213	0.121317	1.079218	0.39		0.36
25	182.38	191.85	9.47	950	850	10.56	0.30	69	177.82	1.37515113	2.249981	0.13835	1.062378	0.29		0.36
26	191.85	201.10	9.25	850	750	10.81	0.31	69	187.07	1.42804156	2.272004	0.154741	1.062378	0.30		0.35
27	201.10	209.72	8.62	750	650	11.60	0.33	70	195.69	1.48093199	2.291569	0.170535	1.045801	0.32		0.35

**Mountaire Farms of Delaware  
Infiltrometer Test DR-21**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-21**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-21	Project:	Mountaire Farms	Test Designation:	DR-21
		Test Location:	TP 21	W.O.:	4940d	Test Location:	TP 21
W.O.:	4940d	Inner Ring Dia. (ft):	1.01	Date:	10/10/19		
		Outer Ring Dia. (ft):	2.03				
Date:	10/10/19	Inner Ring Area (sqin):	115.37	Test K V =	1.096324		
		Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
Soil Series:							
Test Depth:	36 inches	Water Temp. (F):	67.00				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
															209.72	0.39
			0			0		0	0						m-1	-0.37353
															m	0.626474
															b	0.07572
															bm	0.04744
1	0.00	56.35	56.35	50	48.5	0.03	0.95	65	56.35	0.9880429	1.750894	-0.00522	1.131355	0.98		0.63
2	56.35	103.94	47.59	48.5	48	0.01	0.37	66	103.94	1.3173905	2.016783	0.119715	1.113702	0.38		0.50
3	103.94	149.51	45.57	48	47.5	0.01	0.39	67	149.51	1.6467381	2.17467	0.216625	1.096324	0.39		0.44
4	149.51	182.38	32.87	47.5	47	0.02	0.54	68	182.38	1.9760858	2.260977	0.295806	1.079218	0.53		0.41
5	182.38	209.72	27.34	47	46.5	0.02	0.65	69	209.72	2.3054334	2.32164	0.362753	1.062378	0.63		0.39

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/10/2019  
 Soil Series:  
 Test Depth: 24 inches

Test Designation: DR-22  
 Test Location: TP 22  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 70.68

**Double Ring Infiltrometer  
Test Results**

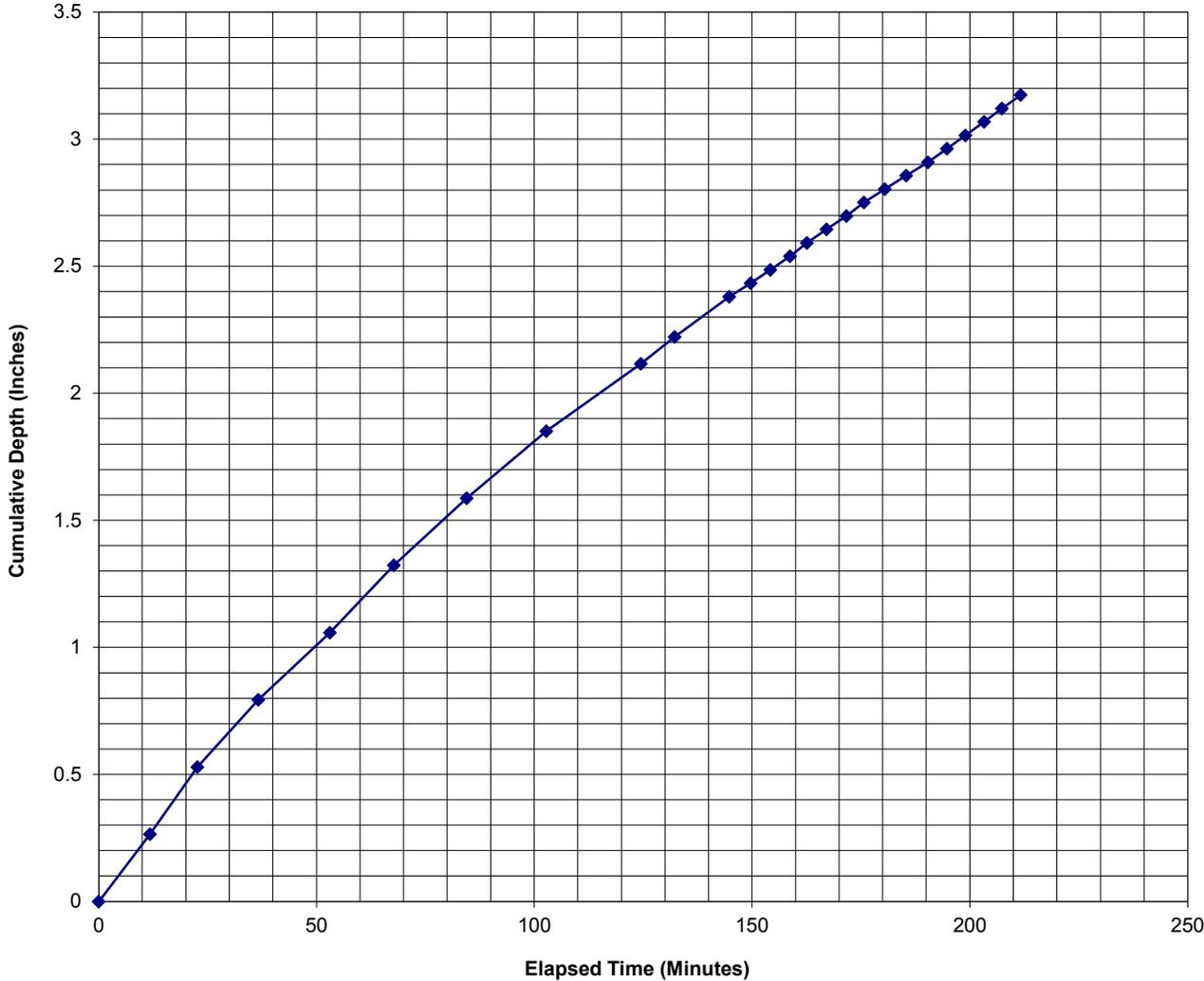
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/10/2019

Test Designation: DR-22  
 Test Location: TP 22

Test K V = 1.034677  
 K V @ 60 = 1.217

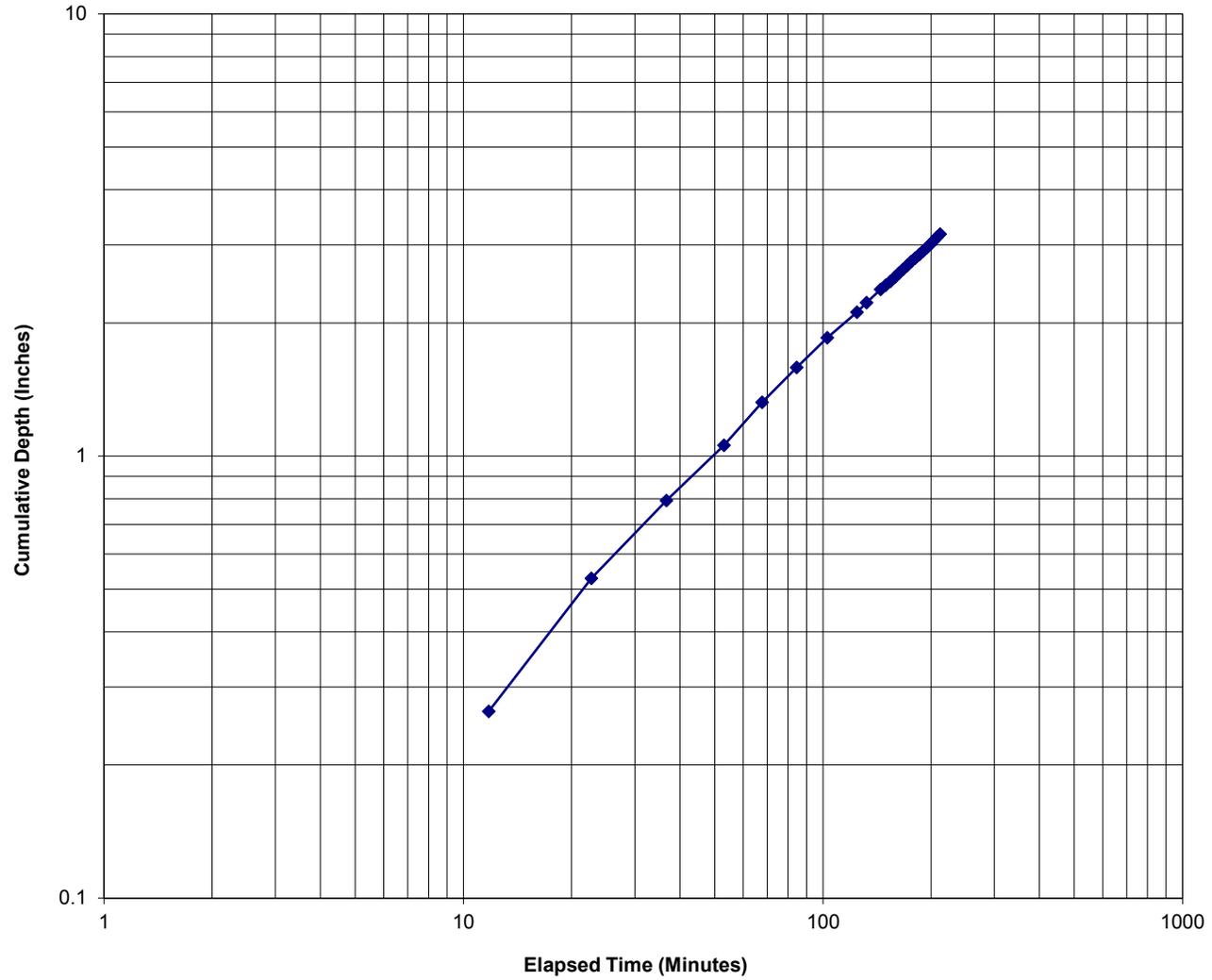
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	211.66	Rate	0.76
															m-1	-0.17297	R^2	0.997168
															m	0.827027		
															b	0.038577		
															bm	0.03190		
1	0.00	11.75	11.75	3700	3200	42.55	1.15	67	11.75	0.264452141	1.070038	-0.57765	1.096324	1.22			1.25	
2	11.75	22.68	10.93	3200	2700	45.75	1.23	67	22.68	0.528904281	1.355643	-0.27662	1.096324	1.31			1.12	
3	22.68	36.66	13.98	2700	2200	35.77	0.96	67	36.66	0.793356422	1.564192	-0.10053	1.096324	1.02			1.03	
4	36.66	53.05	16.39	2200	1700	30.51	0.82	67	53.05	1.057808562	1.724685	0.024407	1.096324	0.87			0.96	
5	53.05	67.77	14.72	1700	1200	33.97	0.92	67	67.77	1.322260703	1.831037	0.121317	1.096324	0.97			0.92	
6	67.77	84.50	16.73	1200	700	29.89	0.81	70	84.5	1.586712843	1.926857	0.200498	1.045801	0.82			0.89	
7	84.50	102.79	18.29	700	200	27.34	0.74	71	102.79	1.851164984	2.011951	0.267445	1.029483	0.73			0.86	
8	111.32	133.00	21.68	3500	3000	23.06	0.62	71	124.47	2.115617124	2.095065	0.325437	1.029483	0.62			0.83	
9	133.00	140.75	7.75	3000	2800	25.81	0.70	71	132.22	2.22139798	2.121297	0.346626	1.029483	0.69			0.82	
10	140.75	153.34	12.59	2800	2500	23.83	0.64	71	144.81	2.380069265	2.160799	0.37659	1.029483	0.64			0.81	
11	153.34	158.22	4.88	2500	2400	20.49	0.55	71	149.69	2.432959693	2.175193	0.386135	1.029483	0.55			0.80	
12	158.22	162.75	4.53	2400	2300	22.08	0.60	71	154.22	2.485850121	2.188141	0.395475	1.029483	0.59			0.80	
13	162.75	167.27	4.52	2300	2200	22.12	0.60	72	158.74	2.538740549	2.200686	0.404618	1.013419	0.58			0.80	
14	167.27	171.15	3.88	2200	2100	25.77	0.70	72	162.62	2.591630977	2.211174	0.413573	1.013419	0.68			0.79	
15	171.15	175.62	4.47	2100	2000	22.37	0.60	72	167.09	2.644521405	2.22295	0.422347	1.013419	0.59			0.79	
16	175.62	180.19	4.57	2000	1900	21.88	0.59	72	171.66	2.697411833	2.234669	0.430947	1.013419	0.58			0.79	
17	180.19	184.22	4.03	1900	1800	24.81	0.67	72	175.69	2.750302261	2.244747	0.43938	1.013419	0.66			0.78	
18	184.22	189.02	4.8	1800	1700	20.83	0.56	72	180.49	2.803192689	2.256453	0.447653	1.013419	0.55			0.78	
19	189.02	193.93	4.91	1700	1600	20.37	0.55	72	185.4	2.856083118	2.26811	0.455771	1.013419	0.54			0.78	
20	193.93	198.89	4.96	1600	1500	20.16	0.54	72	190.36	2.908973546	2.279576	0.46374	1.013419	0.53			0.77	
21	198.89	203.30	4.41	1500	1400	22.68	0.61	72	194.77	2.961863974	2.289522	0.471565	1.013419	0.60			0.77	
22	203.30	207.50	4.2	1400	1300	23.81	0.64	72	198.97	3.014754402	2.298788	0.479252	1.013419	0.63			0.77	
23	207.50	211.81	4.31	1300	1200	23.20	0.63	72	203.28	3.06764483	2.308095	0.486805	1.013419	0.61			0.76	
24	211.81	215.90	4.09	1200	1100	24.45	0.66	72	207.37	3.120535258	2.316746	0.494229	1.013419	0.65			0.76	
25	215.90	220.19	4.29	1100	1000	23.31	0.63	72	211.66	3.173425686	2.325639	0.501528	1.013419	0.62			0.76	

**Mountaire Farms of Delaware  
Infiltrometer Test DR-22**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-22**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-22  
 W.O.: 4940d Test Location: TP 22  
 Date: 10/10/2019 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Soil Series: Inner Ring Area (sqin): 115.37  
 Test Depth: 24 inches Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 71.25

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-22  
 W.O.: 4940d Test Location: TP 22  
 Date: 10/10/2019  
 Test K V = 1.025443  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	220.19	Rate	1.25
															m-1	-0.26367	R^2	0.996684
															m	0.736333		
															b	0.117542		
															bm	0.08655		
1	0.00	67.77	67.77	50	46	0.06	1.97	70	0	0								1.71
2	67.77	167.27	99.5	46	42.5	0.04	1.17	71	167.27	4.9402144	2.223418	0.693746	1.029483	1.18				1.35
3	167.27	198.89	31.62	42.5	41	0.05	1.58	72	198.89	5.9282573	2.298613	0.772927	1.013419	1.56				1.29
4	198.89	220.19	21.3	41	40.5	0.02	0.78	72	220.19	6.2576049	2.342798	0.796408	1.013419	0.77				1.25

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/17/19  
 Soil Series:  
 Test Depth: 24 Inches

Test Designation: DR-23  
 Test Location: TP-23  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 53.60

**Double Ring Infiltrometer  
Test Results**

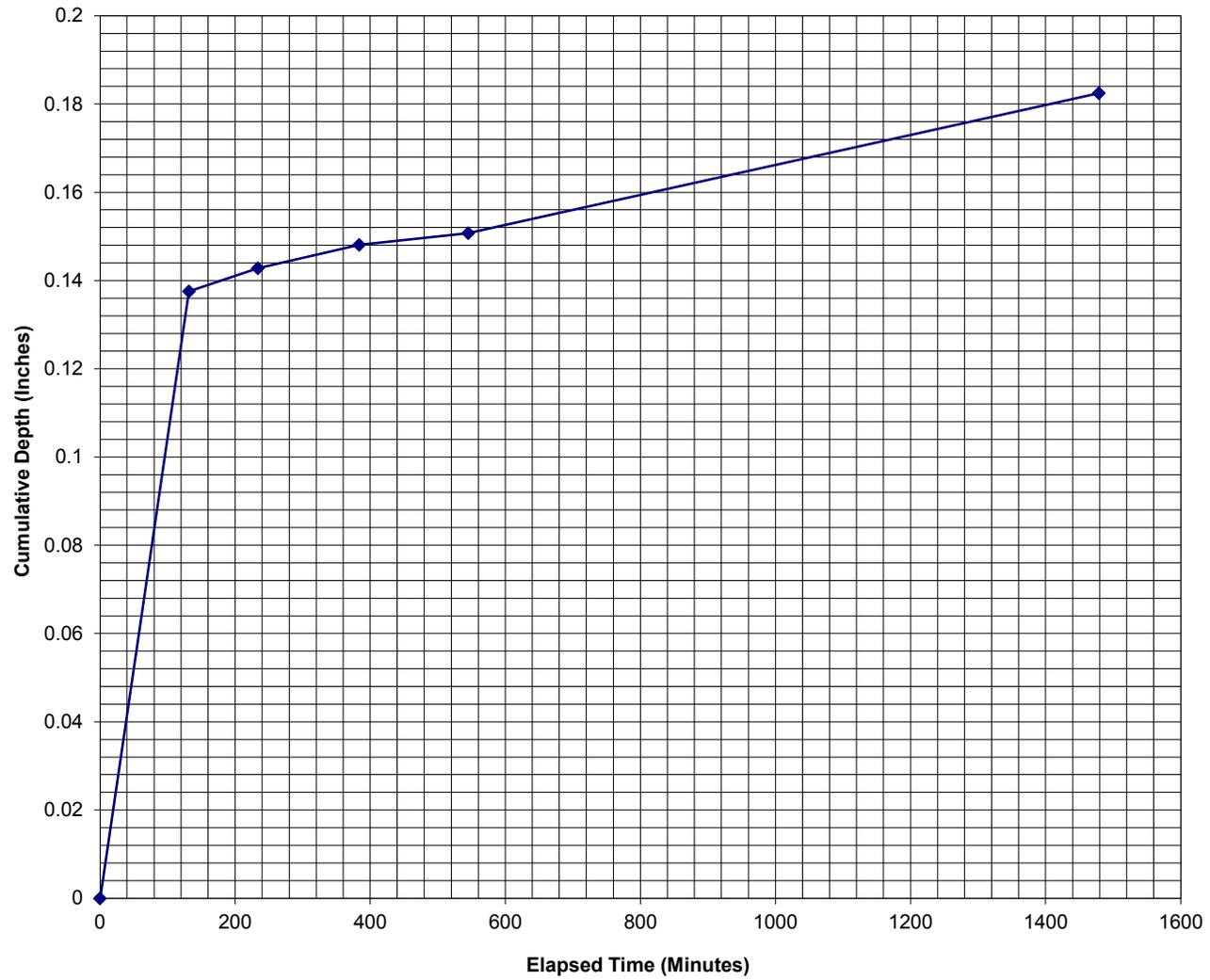
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 1/0/1900

Test Designation: DR-23  
 Test Location: TP-23

Test K V = 1.353509  
 K V @ 60 = 1.217

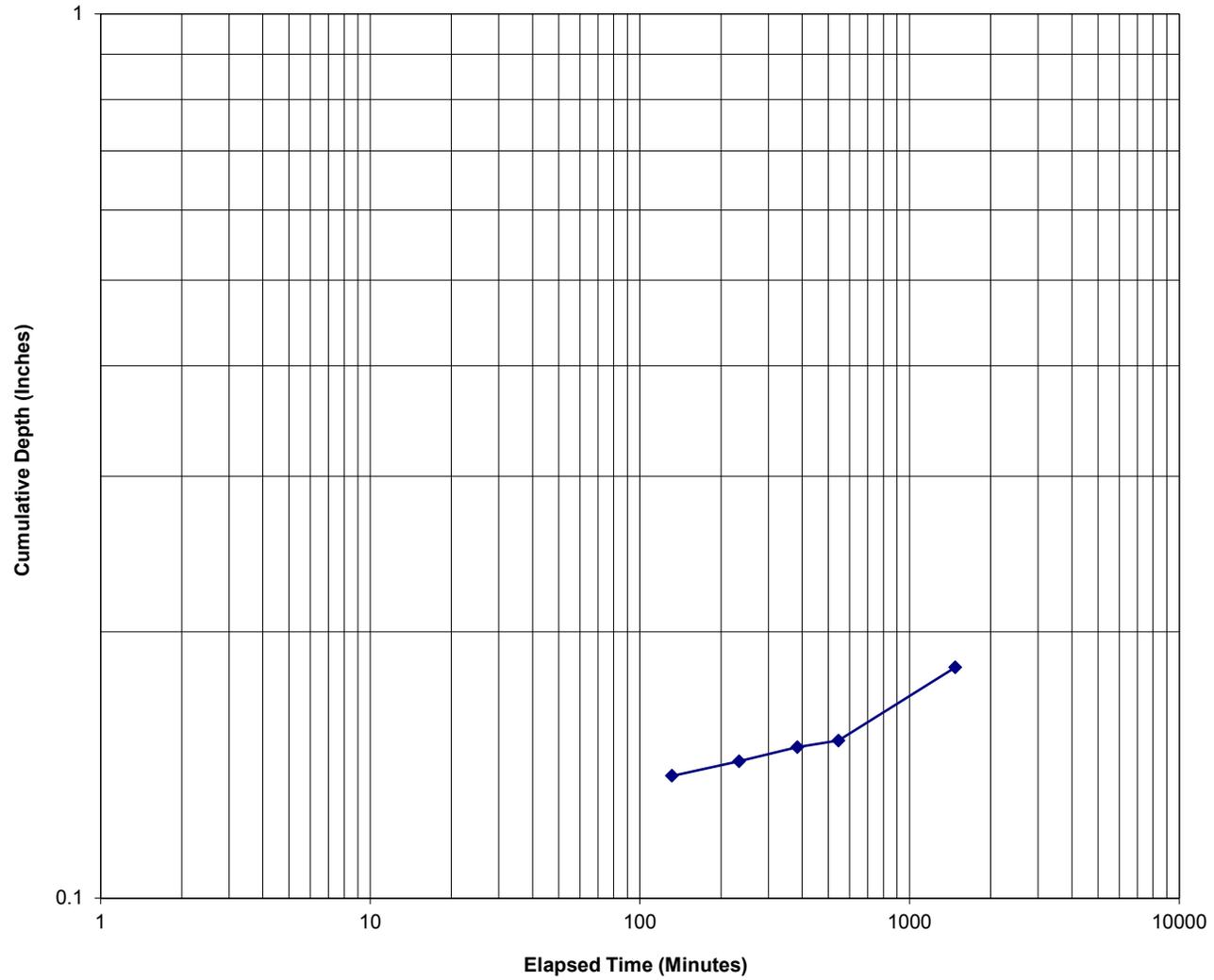
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	1478.56	Rate	0.00
															m-1	-0.88528	R^2	0.912843
															m	0.114716		
															b	0.076359		
															bm	0.00876		
1	0.00	131.60	131.6	340	80	1.98	0.070	52	131.6	0.13751511	2.119256	-0.86165	1.387999	0.07				0.007
2	133.04	235.00	101.96	300	290	0.10	0.003	52	233.56	0.14280416	2.368398	-0.84526	1.387999	0.004				0.004
3	235.00	385.00	150	290	280	0.07	0.002	57	383.56	0.1480932	2.583833	-0.82946	1.283036	0.002				0.003
4	385.00	546.33	161.33	280	275	0.03	0.001	61	544.89	0.15073772	2.736309	-0.82178	1.204811	0.001				0.002
5	546.33	1480.00	933.67	275	215	0.06	0.002	46	1478.56	0.18247198	3.169839	-0.7388	1.525348	0.003				0.001

**Mountaire Farms of Delaware  
Infiltrometer Test DR-23**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-23**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-23	Project:	Mountaire Farms	Test Designation:	DR-23
W.O.:	4940d	Test Location:	TP-23	W.O.:	4940d	Test Location:	TP-23
Date:	10/17/19	Inner Ring Dia. (ft):	1.01	Date:	1/0/1900		
		Outer Ring Dia. (ft):	2.03				
Soil Series:		Inner Ring Area (sqin):	115.37	Test K V =	1.283036		
Test Depth:	24 Inches	Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
		Water Temp. (F):	57.00				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	1480	Rate	#DIV/0!
															m-1	#DIV/0!	R^2	#DIV/0!
															b	#DIV/0!		#DIV/0!
															bm	#DIV/0!		#DIV/0!
1	0.00	1480.00	1480	50	49.9	0.000	0.003	57	1480	0.065869526	3.170262	-1.18132	1.283036	0.003				#DIV/0!

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/11/2019  
 Soil Series:  
 Test Depth: 10 inches

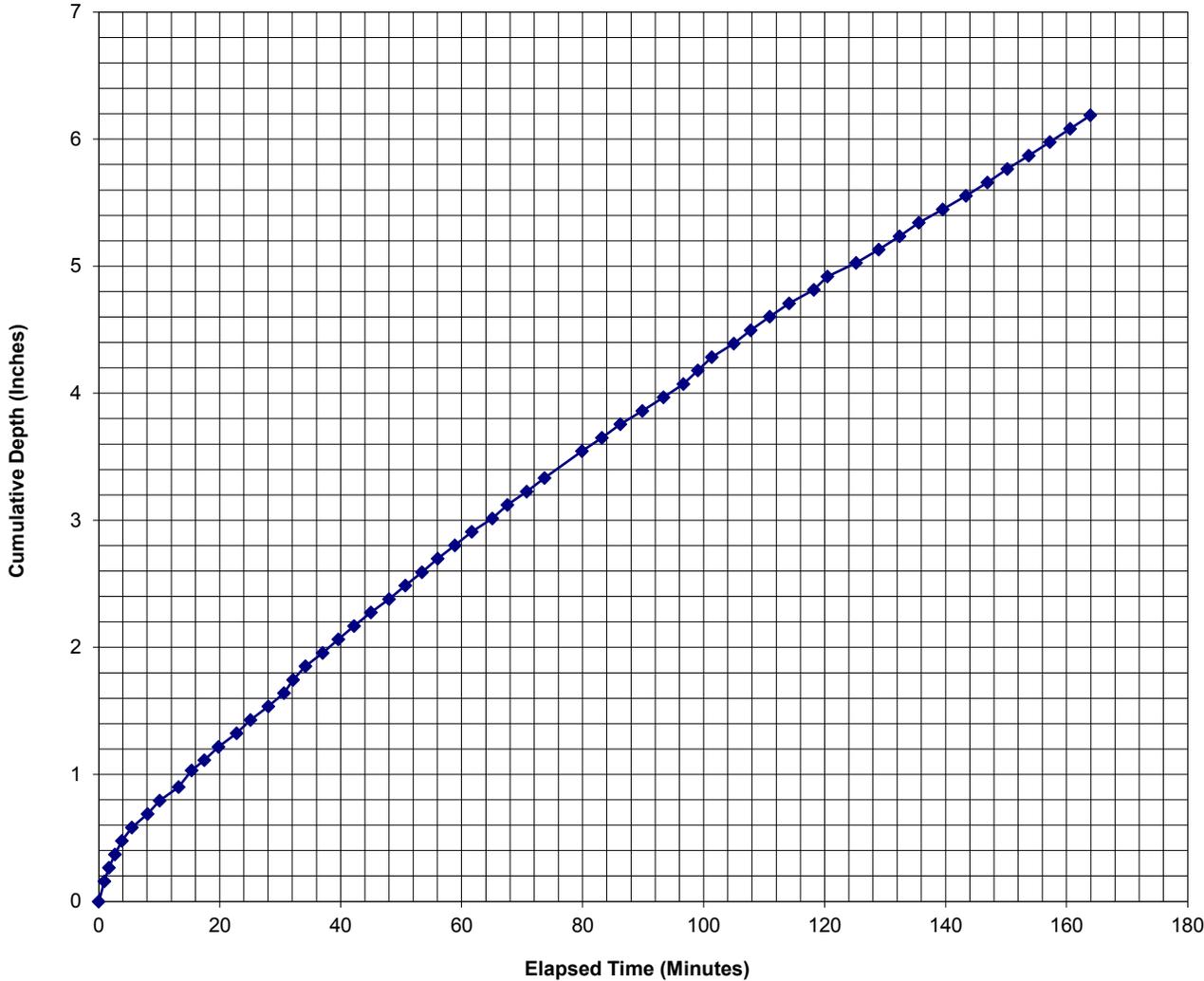
Test Designation: DR-24  
 Test Location: TP 24  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 64.28

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/11/2019  
 Test Designation: DR-24  
 Test Location: TP 24  
 Test K V = 1.144226  
 K V @ 60 = 1.217

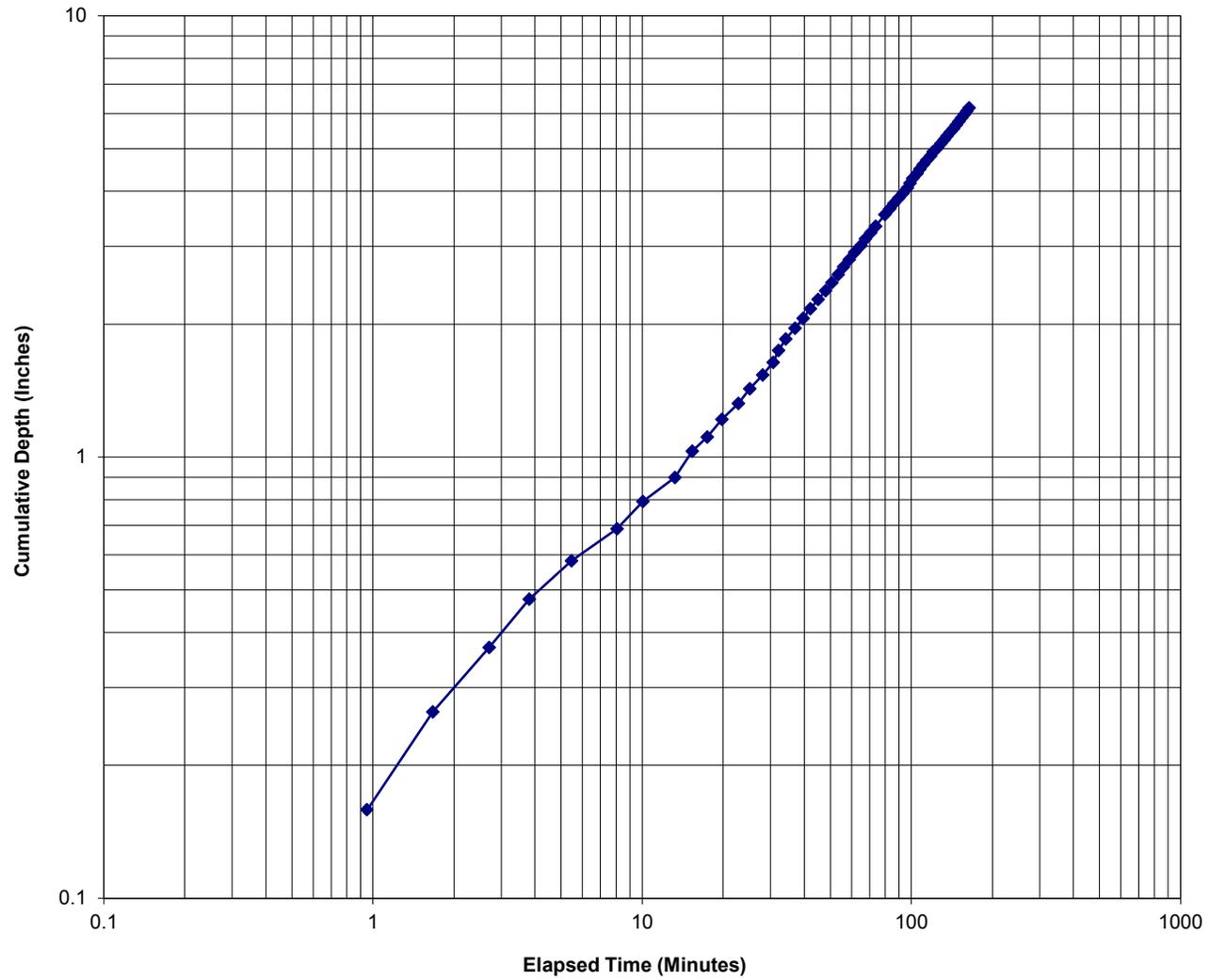
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log y log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
1	0.00	0.95	0.95	850	550	315.79	9.42	64	0.95	0.158671284	-0.02228	-0.7995	1.149288	9.46		6.91
2	0.95	1.67	0.72	550	350	277.78	8.29	64	1.67	0.264452141	0.222716	-0.57765	1.149288	8.32		5.86
3	1.67	2.70	1.03	350	150	194.17	5.79	64	2.70	0.370232997	0.431364	-0.43152	1.149288	5.82		5.08
4	3.63	4.74	1.11	950	750	180.18	5.38	64	3.81	0.476013853	0.580925	-0.32238	1.149288	5.40		4.59
5	4.74	6.39	1.65	750	550	121.21	3.62	64	5.46	0.581794709	0.737193	-0.23523	1.149288	3.63		4.13
6	6.39	9.00	2.61	550	350	76.63	2.29	64	8.07	0.687575565	0.906874	-0.16268	1.149288	2.30		3.68
7	9.00	10.99	1.99	350	150	100.50	3.00	64	10.06	0.793356422	1.002598	-0.10053	1.149288	3.01		3.45
8	12.07	15.25	3.18	950	750	62.89	1.88	64	13.24	0.899137278	1.121888	-0.04617	1.149288	1.88		3.18
9	15.25	17.38	2.13	750	500	117.37	3.50	64	15.37	1.031363348	1.186674	0.013412	1.149288	3.52		3.05
10	17.38	19.46	2.08	500	350	72.12	2.15	64	17.45	1.11069899	1.241795	0.045596	1.149288	2.16		2.94
11	19.46	21.82	2.36	350	150	84.75	2.53	64	19.81	1.216479846	1.296884	0.085105	1.149288	2.54		2.83
12	23.43	26.42	2.99	950	750	66.89	2.00	64	22.8	1.322260703	1.357935	0.121317	1.149288	2.00		2.71
13	26.42	28.73	2.31	750	550	86.58	2.58	64	25.11	1.428041559	1.399847	0.154741	1.149288	2.59		2.64
14	28.73	31.66	2.93	550	350	68.26	2.04	64	28.04	1.533822415	1.447778	0.185775	1.149288	2.05		2.55
15	31.66	34.26	2.6	350	150	76.92	2.30	64	30.64	1.639603271	1.486289	0.214739	1.149288	2.31		2.49
16	36.42	37.90	1.48	950	750	135.14	4.03	64	32.12	1.745384127	1.506776	0.241891	1.149288	4.05		2.45
17	37.90	39.94	2.04	750	550	98.04	2.93	64	34.16	1.851164984	1.533518	0.267445	1.149288	2.94		2.41
18	39.94	42.80	2.86	550	350	69.93	2.09	64	37.02	1.95694584	1.568436	0.291579	1.149288	2.10		2.35
19	42.80	45.39	2.59	350	150	77.22	2.30	64	39.61	2.062726696	1.597805	0.314442	1.149288	2.31		2.31
20	47.24	49.82	2.58	950	750	77.52	2.31	64	42.19	2.168507552	1.62521	0.336161	1.149288	2.32		2.26
21	49.82	52.65	2.83	750	550	70.67	2.11	64	45.02	2.274288408	1.653405	0.356846	1.149288	2.12		2.22
22	52.65	55.64	2.99	550	350	66.89	2.00	64	48.01	2.380069265	1.681332	0.37659	1.149288	2.00		2.18
23	55.64	58.31	2.67	350	150	74.91	2.23	64	50.68	2.485850121	1.704837	0.395475	1.149288	2.24		2.15
24	60.15	62.92	2.77	950	750	72.20	2.15	64	53.45	2.591630977	1.727948	0.413573	1.149288	2.16		2.11
25	62.92	65.52	2.6	750	550	76.92	2.30	64	56.05	2.697411833	1.748576	0.430947	1.149288	2.31		2.08
26	65.52	68.35	2.83	550	350	70.67	2.11	64	58.88	2.803192689	1.769968	0.447653	1.149288	2.12		2.05
27	68.35	71.12	2.77	350	150	72.20	2.15	64	61.65	2.908973546	1.789933	0.46374	1.149288	2.16		2.02
28	72.84	76.26	3.42	950	750	58.48	1.74	64	65.07	3.014754402	1.813381	0.479252	1.149288	1.75		1.99
29	76.26	78.73	2.47	750	550	80.97	2.42	64	67.54	3.120535258	1.829561	0.494229	1.149288	2.43		1.97
30	78.73	81.92	3.19	550	350	62.70	1.87	64	70.73	3.226316114	1.849604	0.508707	1.149288	1.88		1.94
31	81.92	84.89	2.97	350	150	67.34	2.01	64	73.7	3.332096971	1.867467	0.522718	1.149288	2.02		1.92
32	86.86	93.04	6.18	950	550	64.72	1.93	64	79.88	3.543658683	1.902438	0.549452	1.149288	1.94		1.88
33	93.04	96.35	3.31	550	350	60.42	1.80	64	83.19	3.649439539	1.920071	0.562226	1.149288	1.81		1.85
34	96.35	99.37	3.02	350	150	66.23	1.98	64	86.21	3.755220395	1.935558	0.574635	1.149288	1.98		1.83
35	101.23	104.89	3.66	950	750	54.64	1.63	64	89.87	3.861001252	1.953615	0.5867	1.149288	1.64		1.81
36	104.89	108.37	3.48	750	550	57.47	1.71	64	93.35	3.966782108	1.970114	0.598438	1.149288	1.72		1.79
37	108.37	111.68	3.31	550	350	60.42	1.80	64	96.66	4.072562964	1.985247	0.609868	1.149288	1.81		1.77
38	111.68	114.08	2.4	350	150	83.33	2.49	64	99.06	4.17834382	1.995898	0.621004	1.149288	2.50		1.76
39	117.27	119.53	2.26	950	750	88.50	2.64	64	101.32	4.284124676	2.005695	0.631862	1.149288	2.65		1.75
40	119.53	123.21	3.68	750	550	54.35	1.62	64	105	4.389905533	2.021189	0.642455	1.149288	1.63		1.73
41	123.21	126.01	2.8	550	350	71.43	2.13	64	107.8	4.495686389	2.032619	0.652796	1.149288	2.14		1.72
42	126.01	129.12	3.11	350	150	64.31	1.92	65	110.91	4.601467245	2.044971	0.662896	1.131355	1.90		1.70
43	131.30	134.53	3.23	950	750	61.92	1.85	65	114.14	4.707248101	2.057438	0.672767	1.131355	1.83		1.69
44	134.53	138.58	4.05	750	550	49.38	1.47	65	118.19	4.813028957	2.072581	0.682418	1.131355	1.46		1.67
45	138.58	140.85	2.27	550	350	88.11	2.63	65	120.46	4.918809814	2.080843	0.69186	1.131355	2.60		1.66
46	140.85	145.57	4.72	350	150	42.37	1.26	65	125.18	5.02459067	2.097535	0.701101	1.131355	1.25		1.64
47	147.18	150.96	3.78	950	750	52.91	1.58	65	128.96	5.130371526	2.110455	0.710149	1.131355	1.56		1.63
48	150.96	154.40	3.44	750	550	58.14	1.73	65	132.4	5.236152382	2.121888	0.719012	1.131355	1.72		1.62
49	154.40	157.58	3.18	550	350	62.89	1.88	65	135.58	5.341933238	2.132196	0.727698	1.131355	1.86		1.61
50	157.58	161.51	3.93	350	150	50.89	1.52	65	139.51	5.447714095	2.144605	0.736214	1.131355	1.50		1.59
51	163.79	167.65	3.86	950	750	51.81	1.55	65	143.37	5.553494951	2.156458	0.744566	1.131355	1.53		1.58
52	167.65	171.20	3.55	750	550	56.34	1.68	65	146.92	5.659275807	2.167081	0.752761	1.131355	1.66		1.57
53	171.20	174.47	3.27	550	350	61.16	1.82	65	150.19	5.765056663	2.176641	0.760804	1.131355	1.80		1.56
54	174.47	178.00	3.53	350	150	56.66	1.69	65	153.72	5.870837519	2.18673	0.7687	1.131355	1.67		1.55
55	180.18	183.68	3.5	950	750	57.14	1.70	65	157.22	5.976618376	2.196508	0.776456	1.131355	1.69		1.54
56	183.68	187.03	3.35	750	550	59.70	1.78	65	160.57	6.082399232	2.205664	0.784075	1.131355	1.76		1.53
57	187.03	190.38	3.35	550	350	59.70	1.78	65	163.92	6.188180088	2.214632	0.791563	1.131355	1.76		1.52

**Mountaire Farms of Delaware  
Infiltrometer Test DR-24**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-24**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-24  
 W.O.: 4940d Test Location: TP 24  
 Date: 10/11/2019 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Soil Series: Inner Ring Area (sqin): 115.37  
 Test Depth: 10 inches Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 64.00

Project: Mountaire Farms Test Designation: DR-24  
 W.O.: 4940d Test Location: TP 24  
 Date: 10/11/2019  
 Test K V = 1.149288  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	190.38	Rate	3.36
															m-1	-0.31079	R^2	0.995113
															m	0.689209		
															b	0.414944		
															bm	0.28598		
1	0.00	6.39	6.39	50	47.5	0.39	14.60	64	6.39	1.6467381	0.805501	0.216625	1.149288	14.60				9.64
2	6.39	17.38	10.99	47.5	46	0.14	5.09	64	17.38	2.634781	1.24005	0.420745	1.149288	5.09				7.06
3	17.38	26.42	9.04	46	44	0.22	8.26	64	26.42	3.9521715	1.421933	0.596836	1.149288	8.26				6.20
4	26.42	60.15	33.73	44	40	0.12	4.43	64	60.15	6.5869526	1.779236	0.818685	1.149288	4.43				4.80
5	60.15	86.86	26.71	40	36	0.15	5.59	64	86.86	9.2217336	1.93882	0.964813	1.149288	5.59				4.28
6	86.86	111.68	24.82	36	34	0.08	3.01	64	111.68	10.539124	2.047975	1.022805	1.149288	3.01				3.96
7	111.68	126.01	14.33	34	32.5	0.10	3.91	64	126.01	11.527167	2.100405	1.061723	1.149288	3.91				3.82
8	126.01	147.18	21.17	32.5	30	0.12	4.41	64	147.18	13.173905	2.167849	1.119715	1.149288	4.41				3.64
9	147.18	163.79	16.61	30	28	0.12	4.49	64	163.79	14.491296	2.214287	1.161107	1.149288	4.49				3.52
10	163.79	174.47	10.68	28	27.5	0.05	1.75	64	174.47	14.820643	2.241721	1.170867	1.149288	1.75				3.45
11	174.47	183.68	9.21	27.5	27	0.05	2.03	64	183.68	15.149991	2.264062	1.180412	1.149288	2.03				3.40
12	183.68	190.38	6.7	27	26.5	0.07	2.79	64	190.38	15.479338	2.279621	1.189752	1.149288	2.79				3.36

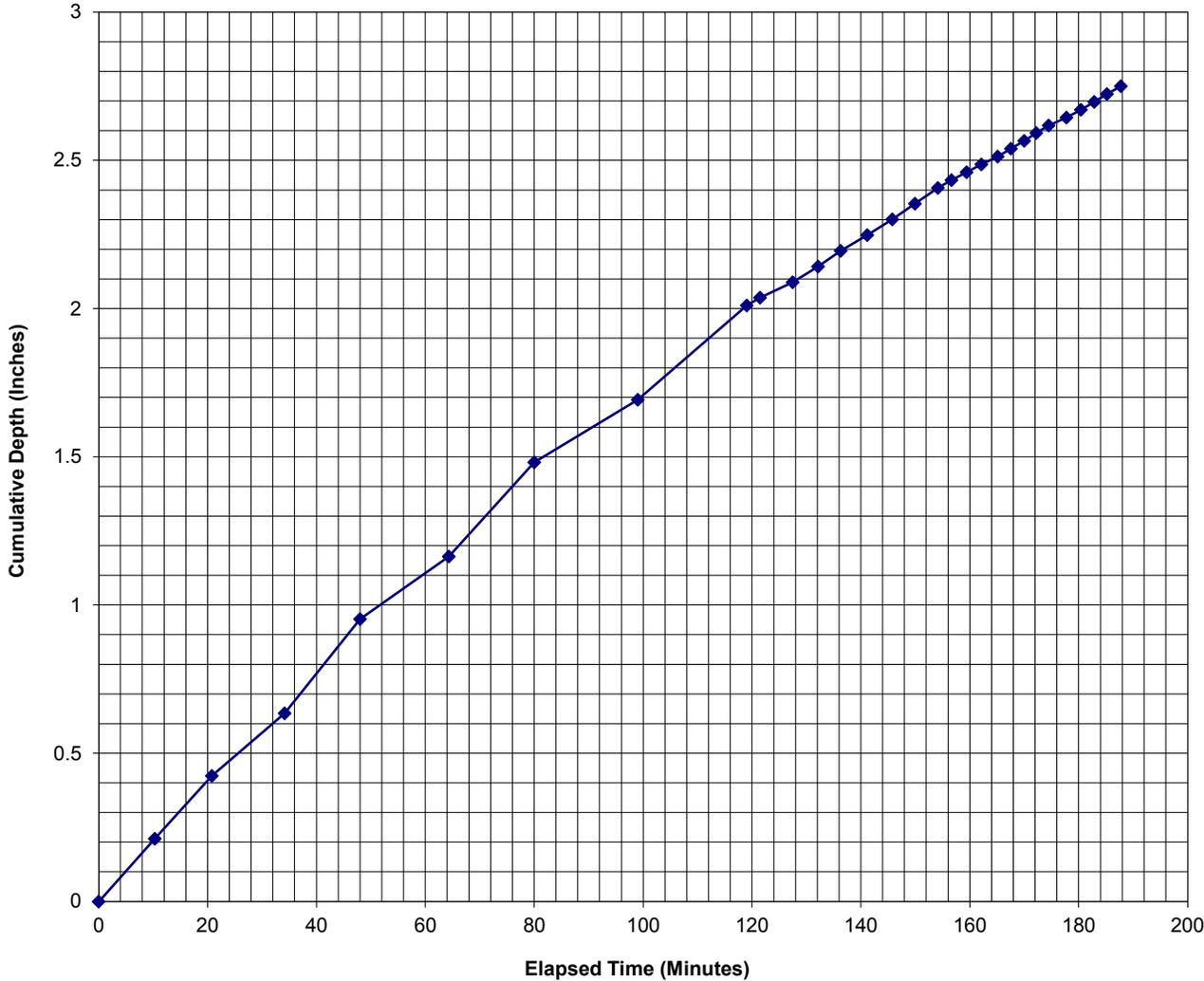
**Double Ring Infiltrometer  
Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-25	Project:	Mountaire Farms	Test Designation:	DR-25
W.O.:	4940d	Test Location:	TP 25	W.O.:	4940d	Test Location:	TP 25
Date:	10/11/2019	Inner Ring Dia. (ft):	1.01	Date:	10/11/2019	Inner Ring Dia. (ft):	1.01
Soil Series:		Outer Ring Dia. (ft):	2.03	Test K V =	1.074546	Outer Ring Dia. (ft):	2.03
Test Depth:	34 inches	Inner Ring Area (sqin):	115.37	K V @ 60 =	1.217	Inner Ring Area (sqin):	115.37
		Outer Ring Area (sqin):	350.69			Outer Ring Area (sqin):	350.69
		Water Temp. (F):	68.28			Water Temp. (F):	68.28

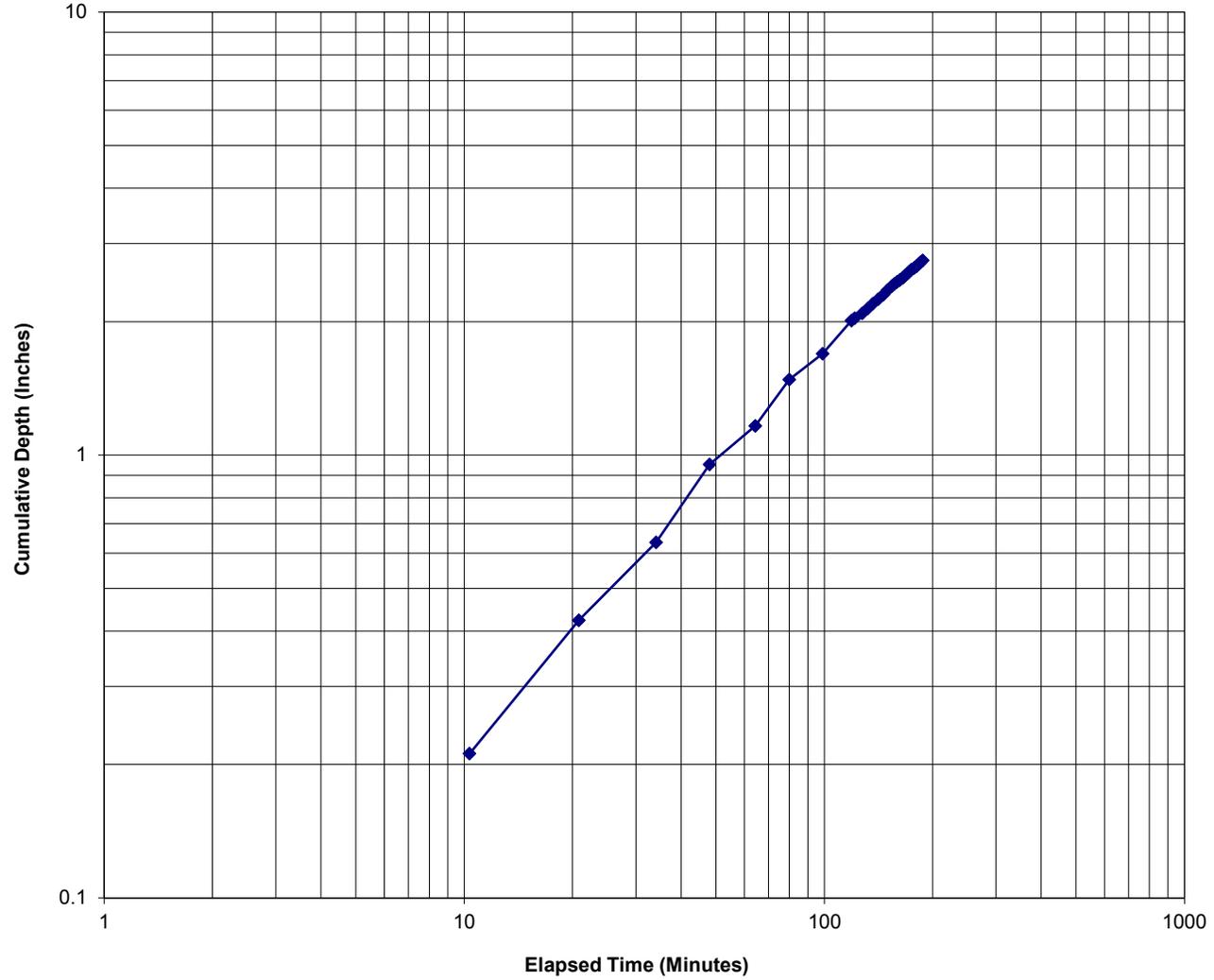
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	187.74	Rate	0.79
															m-1	-0.13246	R^2	0.996474
															m	0.867542		
															b	0.030409		
															bm	0.02638		
1	0.00	10.33	10.33	1250	850	38.72217	1.08	70	10.33	0.2115617	1.0141	-0.67456	1.045801	1.06				1.16
2	10.33	20.80	10.47	850	450	38.20439	1.07	70	20.8	0.4231234	1.318063	-0.37353	1.045801	1.04				1.06
3	22.55	35.88	13.33	1400	1000	30.0075	0.84	70	34.13	0.6346851	1.533136	-0.19744	1.045801	0.82				0.99
4	35.88	49.74	13.86	1000	400	43.29004	1.21	70	47.99	0.9520277	1.681151	-0.02135	1.045801	1.18				0.95
5	52.24	68.54	16.3	1400	1000	24.53988	0.69	68	64.29	1.1635894	1.808143	0.0658	1.079218	0.69				0.91
6	68.54	84.23	15.69	1000	400	38.24092	1.07	68	79.98	1.480932	1.902981	0.170535	1.079218	1.08				0.89
7	86.36	105.39	19.03	1400	1000	21.01944	0.59	68	99.01	1.6924937	1.995679	0.228527	1.079218	0.59				0.86
8	105.39	125.41	20.02	1000	400	29.97003	0.84	68	119.03	2.0098363	2.075656	0.303161	1.079218	0.84				0.84
9	128.34	130.76	2.42	1400	1350	20.66116	0.58	68	121.45	2.0362815	2.084398	0.308838	1.079218	0.58				0.84
10	130.76	136.77	6.01	1350	1250	16.63894	0.47	68	127.46	2.0891719	2.105374	0.319974	1.079218	0.47				0.83
11	136.77	141.43	4.66	1250	1150	21.45923	0.60	68	132.12	2.1420623	2.120969	0.330832	1.079218	0.60				0.83
12	141.43	145.57	4.14	1150	1050	24.15459	0.68	68	136.26	2.1949528	2.134368	0.341425	1.079218	0.68				0.83
13	145.57	150.46	4.89	1050	950	20.4499	0.57	68	141.15	2.2478432	2.149681	0.351766	1.079218	0.57				0.82
14	150.46	155.10	4.64	950	850	21.55172	0.60	68	145.79	2.3007336	2.163728	0.361866	1.079218	0.61				0.82
15	155.10	159.24	4.14	850	750	24.15459	0.68	68	149.93	2.3536241	2.175889	0.371737	1.079218	0.68				0.82
16	159.24	163.45	4.21	750	650	23.75297	0.67	68	154.14	2.4065145	2.187915	0.381388	1.079218	0.67				0.81
17	173.29	175.79	2.5	1350	1300	20	0.56	68	156.64	2.4329597	2.194903	0.386135	1.079218	0.56				0.81
18	175.79	178.54	2.75	1300	1250	18.18182	0.51	68	159.39	2.4594049	2.202461	0.39083	1.079218	0.51				0.81
19	178.54	181.26	2.72	1250	1200	18.38235	0.52	68	162.11	2.4858501	2.20981	0.395475	1.079218	0.52				0.81
20	181.26	184.29	3.03	1200	1150	16.50165	0.46	68	165.14	2.5122953	2.217852	0.400071	1.079218	0.46				0.80
21	184.29	186.69	2.4	1150	1100	20.83333	0.58	68	167.54	2.5387405	2.224119	0.404618	1.079218	0.59				0.80
22	186.69	189.12	2.43	1100	1050	20.57613	0.58	68	169.97	2.5651858	2.230372	0.409119	1.079218	0.58				0.80
23	189.12	191.38	2.26	1050	1000	22.12389	0.62	68	172.23	2.591631	2.236109	0.413573	1.079218	0.62				0.80
24	191.38	193.63	2.25	1000	950	22.22222	0.62	68	174.48	2.6180762	2.241746	0.417982	1.079218	0.63				0.80
25	193.63	196.93	3.3	950	900	15.15152	0.42	68	177.78	2.6445214	2.249883	0.422347	1.079218	0.43				0.80
26	196.93	199.57	2.64	900	850	18.93939	0.53	68	180.42	2.6709666	2.256285	0.426668	1.079218	0.53				0.80
27	199.57	201.99	2.42	850	800	20.66116	0.58	68	182.84	2.6974118	2.262071	0.430947	1.079218	0.58				0.79
28	201.99	204.35	2.36	800	750	21.18644	0.59	68	185.2	2.723857	2.267641	0.435184	1.079218	0.60				0.79
29	204.35	206.89	2.54	750	700	19.68504	0.55	68	187.74	2.7503023	2.273557	0.43938	1.079218	0.55				0.79

**Mountaire Farms of Delaware  
Infiltrometer Test DR-25**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-25**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-25	Project:	Mountaire Farms	Test Designation:	DR-25
		Test Location:	TP 25	W.O.:	4940d	Test Location:	TP 25
W.O.:	4940d	Inner Ring Dia. (ft):	1.01	Date:	10/11/19		
		Outer Ring Dia. (ft):	2.03				
Date:	10/11/19	Inner Ring Area (sqin):	115.37	Test K V =	1.067962		
Soil Series:		Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
Test Depth:	34 inches	Water Temp. (F):	68.67				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
			0			0			0	0					206.89	0.68
															m-1	0.208948
															m	1.208948
															b	0.003063
															bm	0.00370
1	0.00	84.23	84.23	50	49	0.01	0.41	70	84.23	0.6586953	1.925467	-0.18132	1.045801	0.40		0.56
2	84.23	155.10	70.87	49	48	0.01	0.49	68	155.1	1.3173905	2.190612	0.119715	1.079218	0.49		0.64
3	155.10	206.89	51.79	48	47	0.02	0.67	68	206.89	1.9760858	2.315739	0.295806	1.079218	0.68		0.68

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/11/2019  
 Soil Series:  
 Test Depth: 40 inches

Test Designation: DR-26  
 Test Location: TP 26  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 68.00

**Double Ring Infiltrometer  
Test Results**

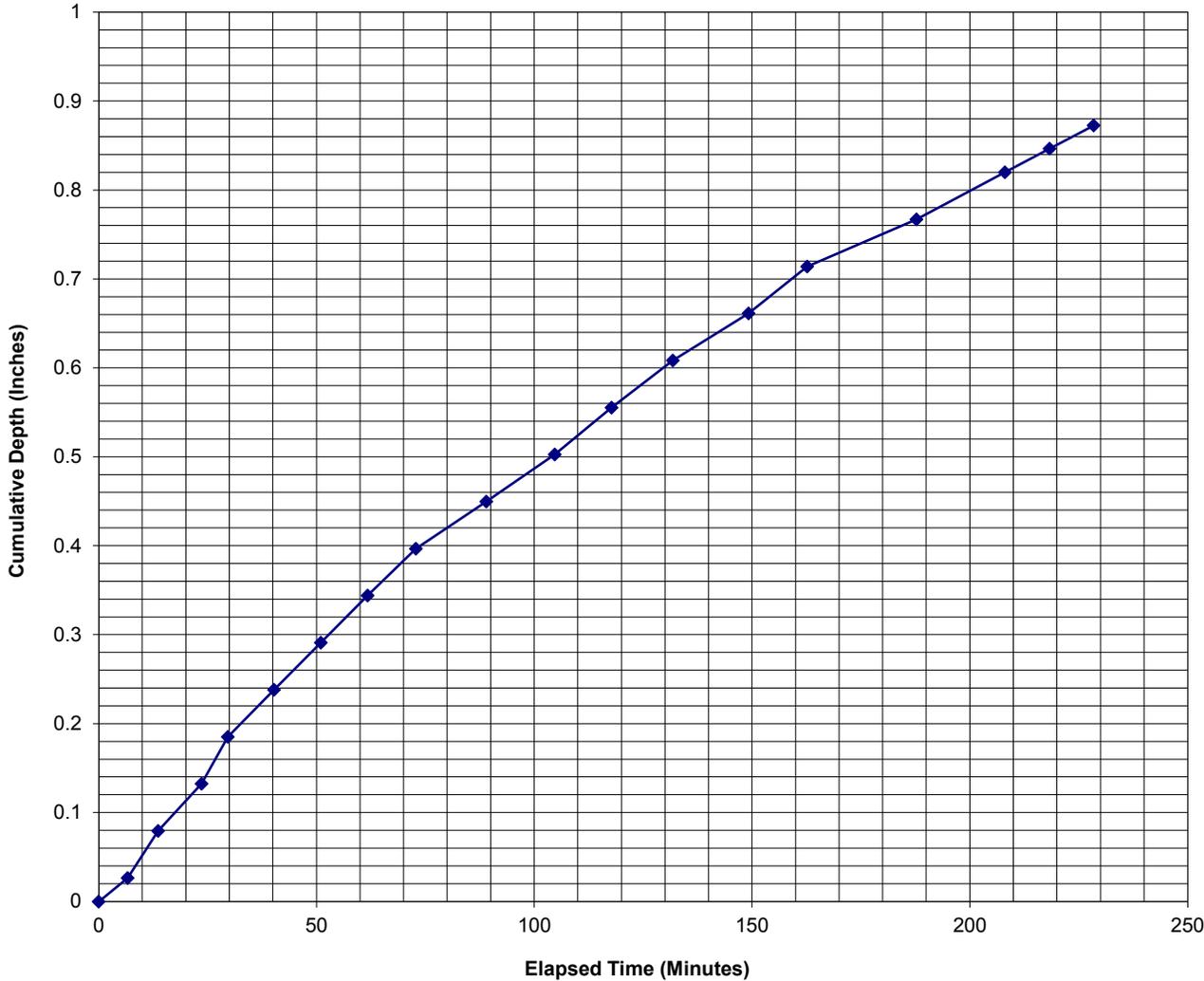
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/11/2019

Test Designation: DR-26  
 Test Location: TP 26

Test K V = 1.079218  
 K V @ 60 = 1.217

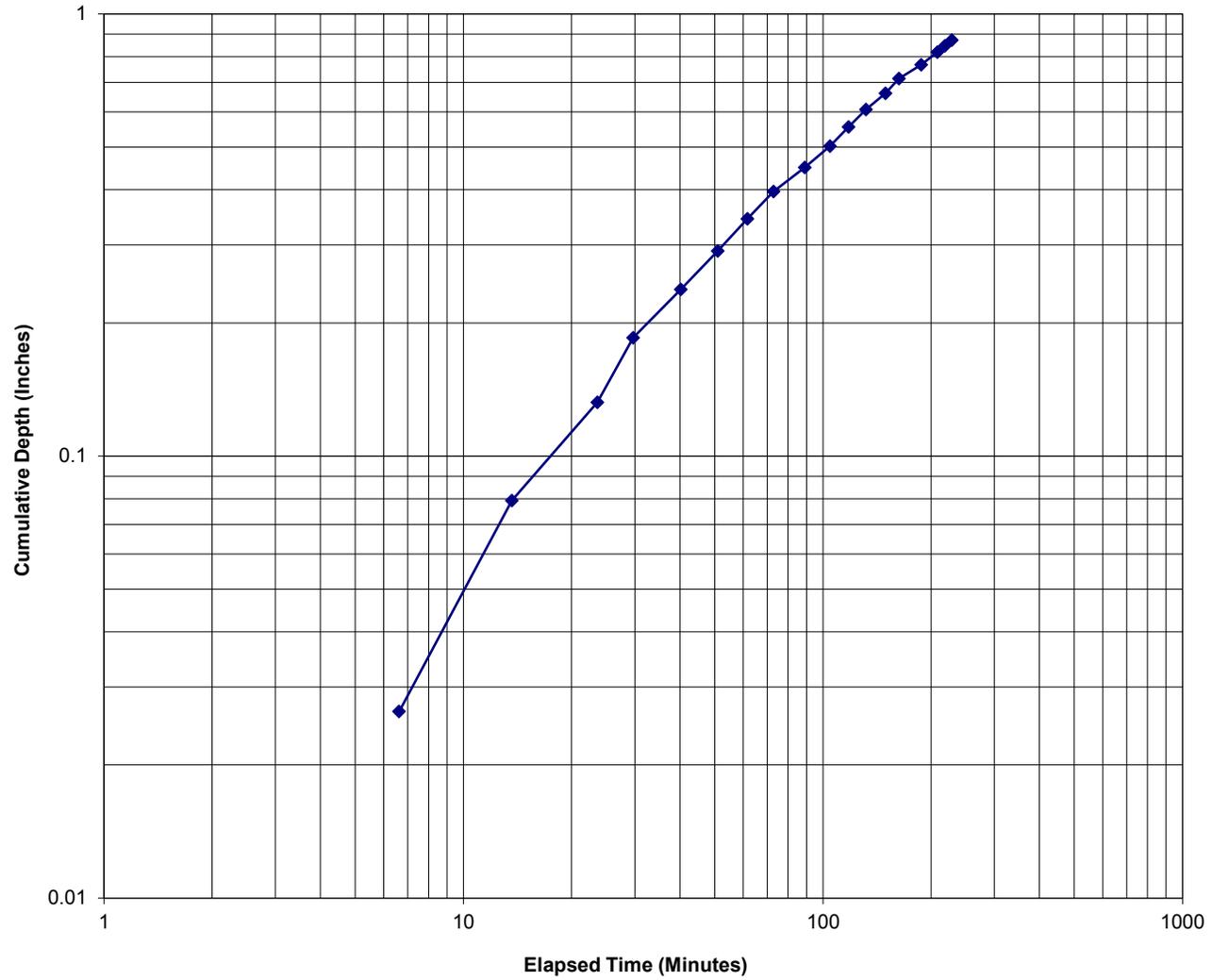
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	228.45	Rate	0.24
															m-1	-0.08599	R^2	0.978243
															b	0.006988		
															bm	0.00639		
1	0.00	6.62	6.62	950	900	7.55	0.21	68	6.62	0.026445214	0.820858	-1.57765	1.079218	0.21				0.33
2	6.62	13.63	7.01	900	800	14.27	0.40	68	13.63	0.079335642	1.134496	-1.10053	1.079218	0.40				0.31
3	13.63	23.59	9.96	800	700	10.04	0.28	68	23.59	0.13222607	1.372728	-0.87868	1.079218	0.28				0.29
4	23.59	29.67	6.08	700	600	16.45	0.46	68	29.67	0.185116498	1.472318	-0.73255	1.079218	0.46				0.29
5	29.67	40.24	10.57	600	500	9.46	0.27	68	40.24	0.238006926	1.604658	-0.62341	1.079218	0.27				0.28
6	40.24	51.02	10.78	500	400	9.28	0.26	68	51.02	0.290897355	1.70774	-0.53626	1.079218	0.26				0.27
7	51.02	61.71	10.69	400	300	9.35	0.26	68	61.71	0.343787783	1.790356	-0.46371	1.079218	0.26				0.27
8	61.71	72.81	11.1	300	200	9.01	0.25	68	72.81	0.396678211	1.862191	-0.40156	1.079218	0.25				0.27
9	74.31	90.47	16.16	1000	900	6.19	0.17	68	88.97	0.449568639	1.949244	-0.3472	1.079218	0.17				0.26
10	90.47	106.19	15.72	900	800	6.36	0.18	68	104.69	0.502459067	2.019905	-0.2989	1.079218	0.18				0.26
11	106.19	119.24	13.05	800	700	7.66	0.22	68	117.74	0.555349495	2.070924	-0.25543	1.079218	0.22				0.25
12	119.24	133.32	14.08	700	600	7.10	0.20	68	131.82	0.608239923	2.119981	-0.21593	1.079218	0.20				0.25
13	133.32	150.72	17.4	600	500	5.75	0.16	68	149.22	0.661130351	2.173827	-0.17971	1.079218	0.16				0.25
14	150.72	164.15	13.43	500	400	7.45	0.21	68	162.65	0.714020779	2.211254	-0.14629	1.079218	0.21				0.25
15	166.71	191.80	25.09	1000	900	3.99	0.11	68	187.74	0.766911207	2.273557	-0.11525	1.079218	0.11				0.24
16	191.80	212.11	20.31	900	800	4.92	0.14	68	208.05	0.819801636	2.318168	-0.08629	1.079218	0.14				0.24
17	212.11	222.40	10.29	800	750	4.86	0.14	68	218.34	0.84624685	2.339133	-0.0725	1.079218	0.14				0.24
18	222.40	232.51	10.11	750	700	4.95	0.14	68	228.45	0.872692064	2.358791	-0.05914	1.079218	0.14				0.24

**Mountaire Farms of Delaware  
Infiltrometer Test DR-26**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-26**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-26	Project:	Mountaire Farms	Test Designation:	DR-26
		Test Location:	TP 26	W.O.:	4940d	Test Location:	TP 26
W.O.:	4940d	Inner Ring Dia. (ft):	1.01	Date:	10/11/19		
		Outer Ring Dia. (ft):	2.03				
Date:	10/11/19	Inner Ring Area (sqin):	115.37	Test K V =	1.079218		
Soil Series:		Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
Test Depth:	40 inches	Water Temp. (F):	68.00				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	m-1	Rate	R^2
			0			0			0	0								
1	0.00	72.81	72.81	50	48	0.03	0.96	68	72.81	1.3173905	1.862191	0.119715	1.079218	0.96				0.61
2	72.81	150.72	77.91	48	47	0.01	0.45	68	150.72	1.9760858	2.178171	0.295806	1.079218	0.45				0.45
3	150.72	212.11	61.39	47	46.5	0.01	0.29	68	212.11	2.3054334	2.326561	0.362753	1.079218	0.29				0.38
4	212.11	232.51	20.4	46.5	46	0.02	0.86	68	232.51	2.634781	2.366442	0.420745	1.079218	0.86				0.37

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/15/2019  
 Soil Series:  
 Test Depth: 58 inches

Test Designation: DR-28  
 Test Location: TP-28  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 72.00

**Double Ring Infiltrometer  
Test Results**

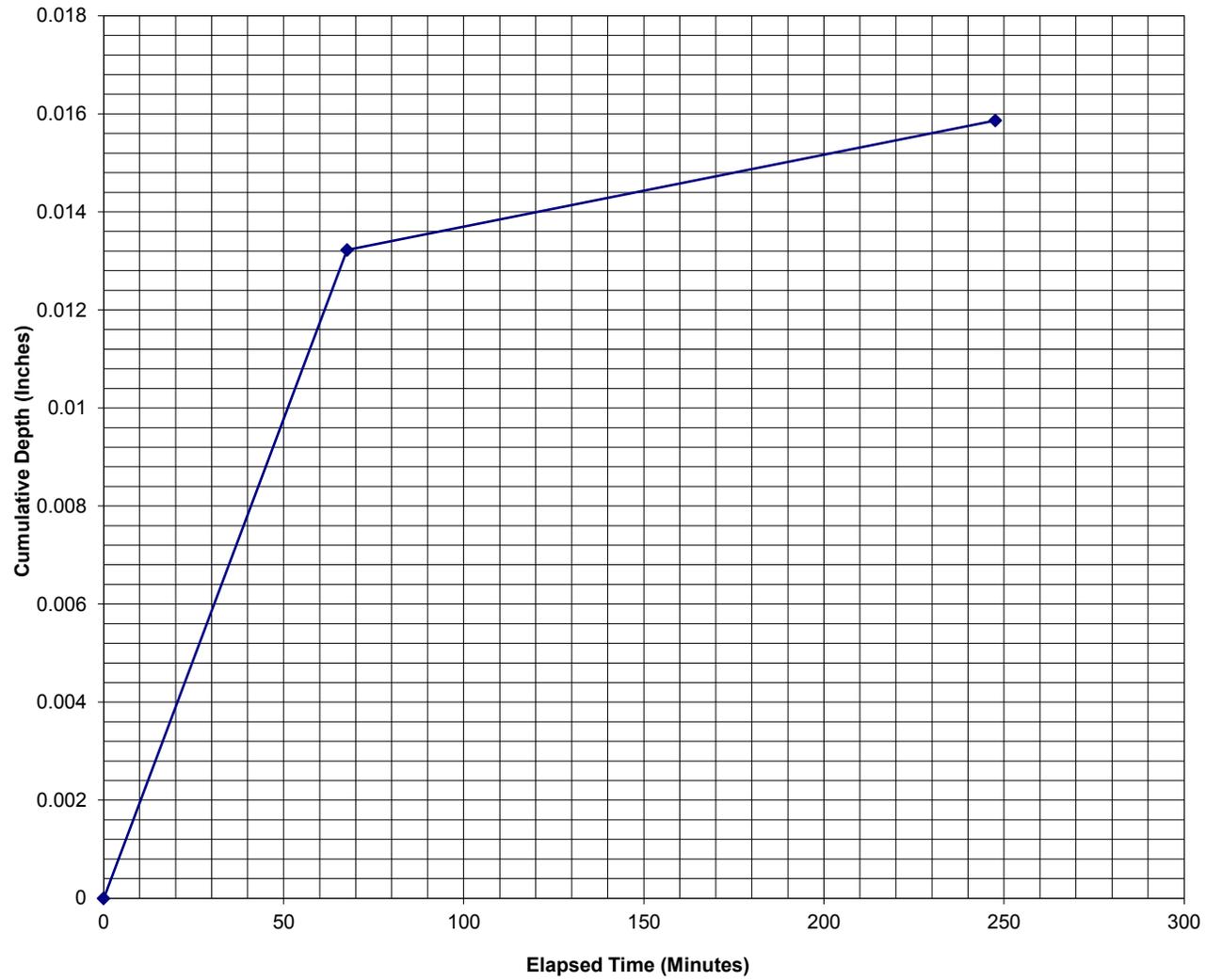
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/15/2019

Test Designation: DR-28  
 Test Location: TP-28

Test K V = 1.013419  
 K V @ 60 = 1.217

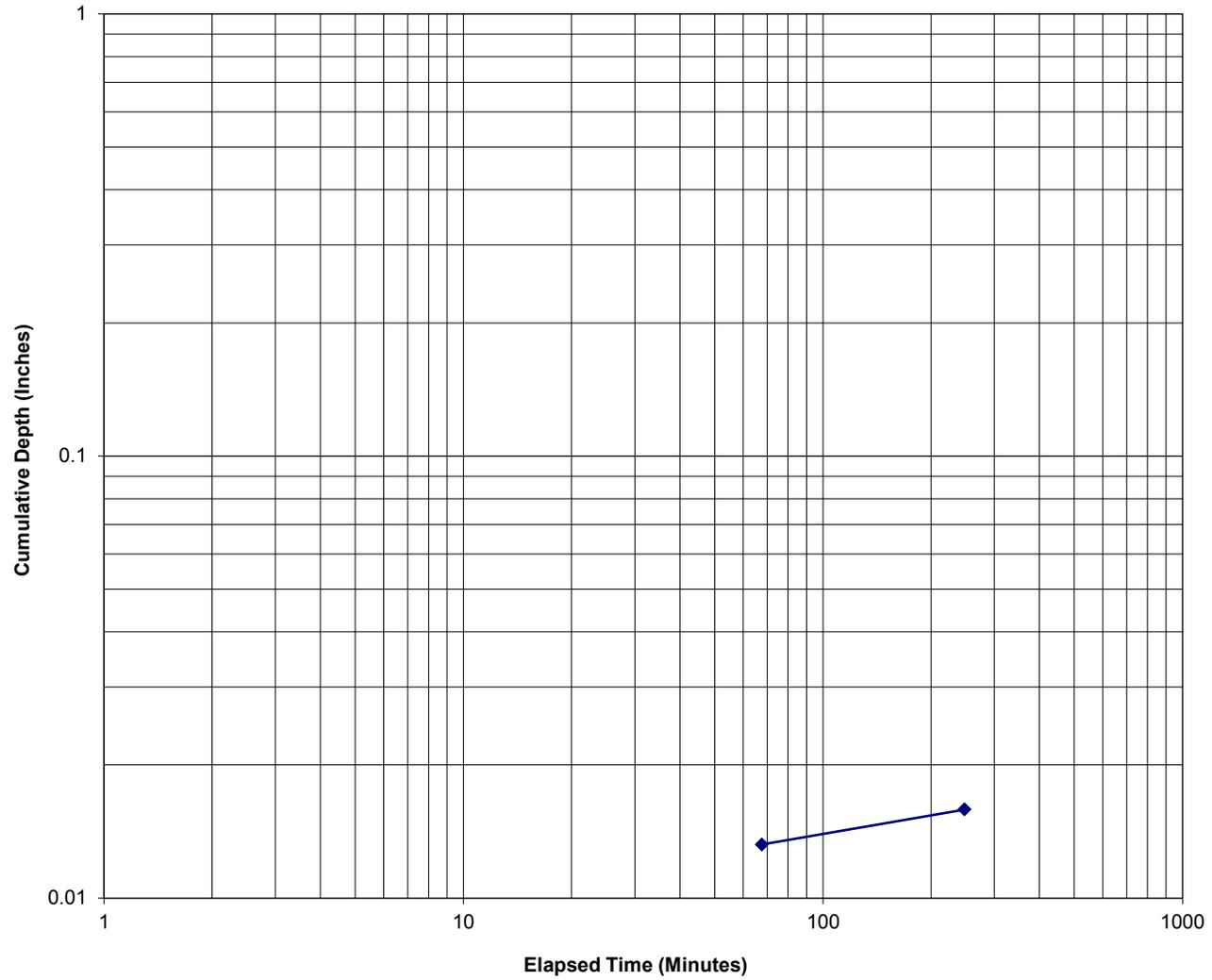
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate	R^2
			0			0			0	0					247.61	0.00	
			67.58	1250	1225	0.37	0.01	72	67.58	0.0132226	1.829818	-1.87868	1.013419	0.01	m-1	-0.8596	1
			180.03	1225	1220	0.03	0.0007	72	247.61	0.0158671	2.393768	-1.7995	1.013419	0.0007	m	0.140405	
1	0.00	67.58	67.58	1250	1225	0.37	0.01	72	67.58	0.0132226	1.829818	-1.87868	1.013419	0.01	b	0.007318	
2	67.58	247.61	180.03	1225	1220	0.03	0.0007	72	247.61	0.0158671	2.393768	-1.7995	1.013419	0.0007	bm	0.00103	
																	0.002
																	0.001

**Mountaire Farms of Delaware  
Infiltrometer Test DR-28**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-28**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-28  
 Test Location: TP-28  
 W.O.: 4940d Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Date: 10/15/2019 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series:  
 Test Depth: 58 inches Water Temp. (F): 72.00

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-28  
 W.O.: 4940d Test Location: TP-28  
 Date: 10/15/2019  
 Test K V = 1.013419  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	247.61	Rate	#DIV/0!
			0			0			0	0					m-1	#DIV/0!		#DIV/0!
															m	#DIV/0!	R^2	#DIV/0!
															b	#DIV/0!		#DIV/0!
															bm	#DIV/0!		#DIV/0!
1	0.00	247.61	247.61	50	49.95	0.00	0.01	72	247.61	0.03293476	2.393768	-1.48235	1.013419	0.01				#DIV/0!

**Double Ring Infiltrometer  
Test Results**

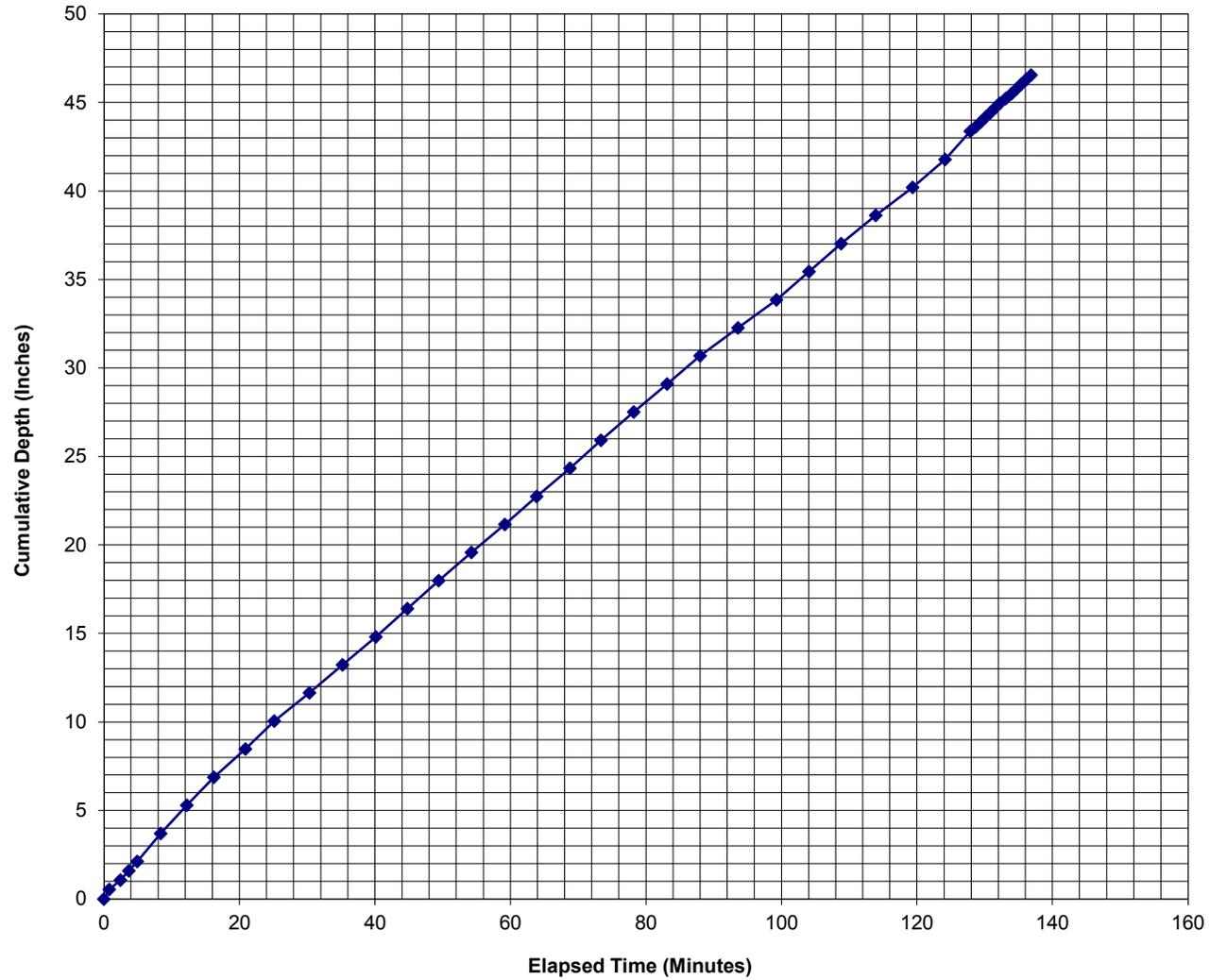
Project: **Mountaire Farms** Test Designation: **DR-29**  
 Test Location: **TP-29**  
 W.O.: **4940d** Inner Ring Dia. (ft): **1.01**  
 Outer Ring Dia. (ft): **2.03**  
 Date: **10/15/2019** Inner Ring Area (sqin): **115.37**  
 Outer Ring Area (sqin): **350.69**  
 Soil Series:   
 Test Depth: **40 inches**  
 Water Temp. (F): **67.48**

**Double Ring Infiltrometer  
Test Results**

Project: **Mountaire Farms** Test Designation: **DR-29**  
 W.O.: **4940d** Test Location: **TP-29**  
 Date: **10/15/2019**  
 Test K V = **1.088145**  
 K V @ 60 = **1.217**

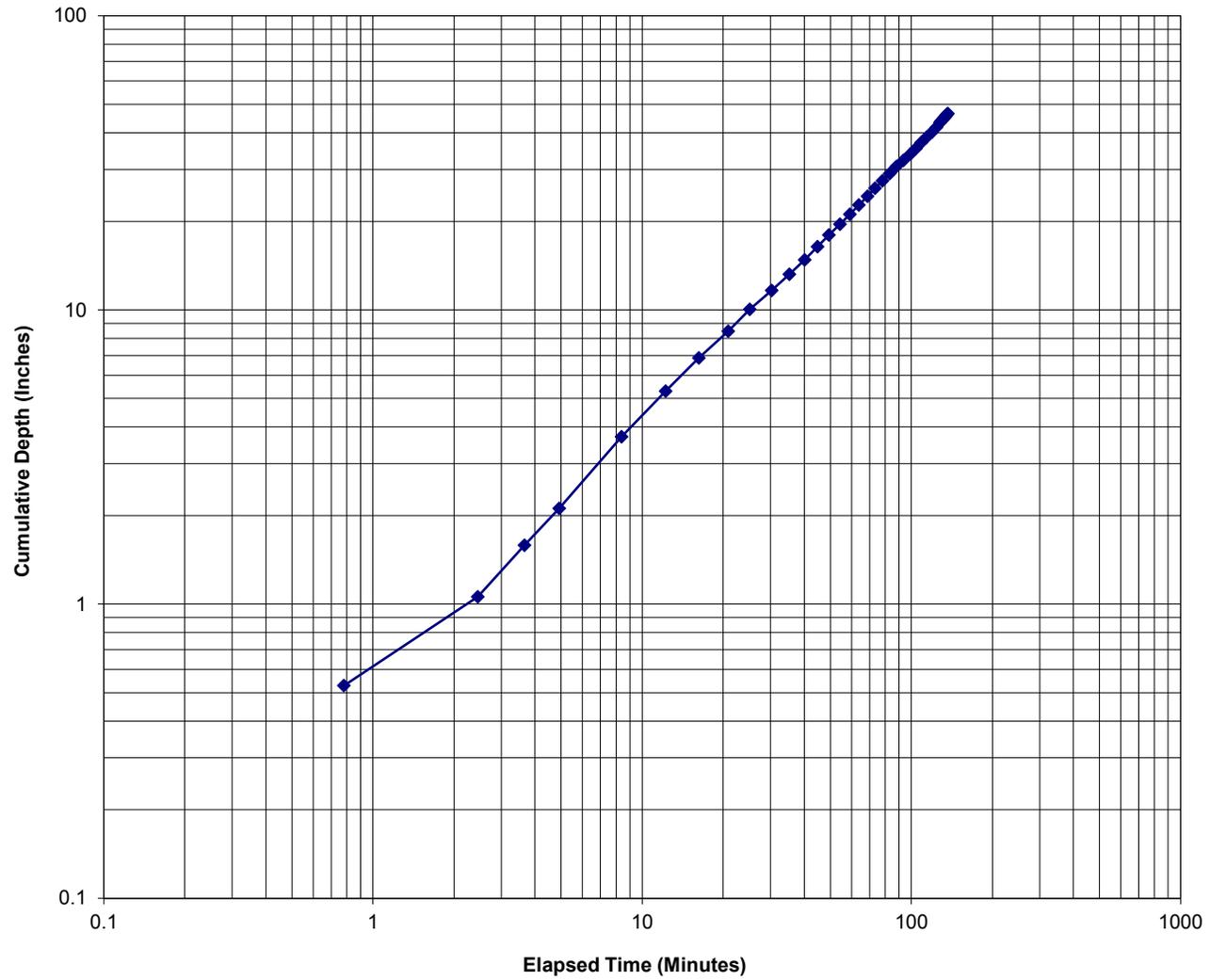
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
1	0.00	0.78	0	2000	1000	1282.05	36.38	65	0	0	-0.10791	-0.27662	1.131355	37.82	136.82	18.09
2	2.13	3.80	1.67	3600	2600	598.80	16.99	65	2.45	1.05780856	0.389166	0.024407	1.131355	m-1	-0.09726	
3	3.80	5.01	1.21	2600	1600	826.45	23.45	65	3.66	1.58671284	0.563481	0.200498	1.131355	m	0.902744	R^2 0.998478
4	5.01	6.27	1.26	1600	600	793.65	22.52	65	4.92	2.11561712	0.691965	0.325437	1.131355	b	0.538966	
5	7.58	11.04	3.46	3600	600	867.05	24.60	65	8.38	3.70232997	0.923244	0.568475	1.131355	bm	0.48655	
6	12.05	15.90	3.85	3700	700	779.22	22.11	65	12.23	5.28904281	1.087426	0.723377	1.131355			25.00
7	16.91	20.93	4.02	3700	700	746.27	21.17	65	16.25	6.87575565	1.210853	0.83732	1.131355			25.73
8	23.33	27.96	4.63	3700	700	647.95	18.39	65	20.88	8.4624685	1.31973	0.927497	1.131355			25.00
9	28.92	33.18	4.26	3700	700	704.23	19.98	65	25.14	10.0491813	1.400365	1.002131	1.131355			23.41
10	36.23	41.41	5.18	3700	700	579.15	16.43	65	30.32	11.6358942	1.481729	1.0658	1.131355			25.58
11	42.55	47.46	4.91	3700	700	611.00	17.34	65	35.23	13.222607	1.546913	1.121317	1.131355			22.88
12	49.17	54.06	4.89	3700	700	613.50	17.41	65	40.12	14.8093199	1.603361	1.170535	1.131355			22.02
13	55.19	59.88	4.69	3700	700	639.66	18.15	65	44.81	16.3960327	1.651375	1.214739	1.131355			22.12
14	61.26	65.86	4.6	3700	700	652.17	18.50	65	49.41	17.9827456	1.693815	1.254856	1.131355			22.02
15	67.40	72.25	4.85	3700	700	618.56	17.55	65	54.26	19.5694584	1.73448	1.291579	1.131355			19.12
16	73.93	78.83	4.9	3700	700	612.24	17.37	65	59.16	21.1561712	1.772028	1.325437	1.131355			21.33
17	80.67	85.40	4.73	3700	700	634.25	18.00	66	63.89	22.7428841	1.805433	1.356846	1.113702			21.09
18	88.19	93.10	4.91	3700	700	611.00	17.34	66	68.8	24.3295969	1.837588	1.386135	1.113702			20.95
19	96.34	100.89	4.55	3700	700	659.34	18.71	66	73.35	25.9163098	1.8654	1.413573	1.113702			20.65
20	103.31	108.17	4.86	3700	700	617.28	17.51	67	78.21	27.5030226	1.893262	1.43938	1.096324			20.39
21	110.22	115.12	4.9	3700	700	612.24	17.37	67	83.11	29.0897355	1.919653	1.46374	1.096324			20.17
22	117.66	122.56	4.9	3700	700	612.24	17.37	67	88.01	30.6764483	1.944532	1.486805	1.096324			18.87
23	124.84	130.41	5.57	3700	700	538.60	15.28	68	93.58	32.2631611	1.971183	1.508707	1.079218			19.98
24	133.24	138.91	5.67	3700	700	529.10	15.01	68	99.25	33.849874	1.996731	1.529557	1.079218			19.80
25	142.06	146.88	4.82	3700	700	622.41	17.66	69	104.07	35.4365868	2.017326	1.549452	1.062378			19.87
26	153.08	157.82	4.74	3500	500	632.91	17.96	70	108.81	37.0232997	2.036669	1.568475	1.045801			18.58
27	160.59	165.67	5.08	3700	700	590.55	16.76	70	113.89	38.6100125	2.056486	1.5867	1.045801			18.50
28	167.16	172.64	5.48	3700	700	547.45	15.53	70	119.37	40.1967254	2.076895	1.604191	1.045801			18.42
29	173.65	178.42	4.77	3700	700	628.93	17.85	70	124.14	41.7834382	2.093912	1.621004	1.045801			18.34
30	179.93	183.68	3.75	3700	700	800.00	22.70	70	127.89	43.370151	2.106837	1.637191	1.045801			18.27
31	186.93	187.72	0.79	3500	3000	632.91	17.96	70	128.68	43.6346032	2.109511	1.639831	1.045801			18.21
32	187.72	188.47	0.75	3000	2500	666.67	18.92	70	129.43	43.8990553	2.112035	1.642455	1.045801			18.20
33	188.47	189.20	0.73	2500	2000	684.93	19.43	70	130.16	44.1635075	2.114478	1.645064	1.045801			18.19
34	189.20	189.91	0.71	2000	1500	704.23	19.98	70	130.87	44.4279596	2.11684	1.647656	1.045801			18.18
35	189.91	190.58	0.67	1500	1000	746.27	21.17	70	131.54	44.6924117	2.119058	1.650234	1.045801			18.17
36	190.58	191.27	0.69	1000	500	724.64	20.56	70	132.23	44.9568639	2.12133	1.652796	1.045801			18.16
37	194.49	195.36	0.87	3500	3000	574.71	16.31	70	133.1	45.221316	2.124178	1.655343	1.045801			18.15
38	195.36	196.16	0.8	3000	2500	625.00	17.73	70	133.9	45.4857682	2.126781	1.657876	1.045801			18.14
39	196.16	196.91	0.75	2500	2000	666.67	18.92	70	134.65	45.7502203	2.129206	1.660393	1.045801			18.13
40	196.91	197.65	0.74	2000	1500	675.68	19.17	70	135.39	46.0146724	2.131587	1.662896	1.045801			18.12
41	197.65	198.35	0.7	1500	1000	714.29	20.27	70	136.09	46.2791246	2.133826	1.665385	1.045801			18.43
42	198.35	199.08	0.73	1000	500	684.93	19.43	70	136.82	46.5435767	2.13615	1.66786	1.045801			18.10
																18.09

**Mountaire Farms of Delaware  
Infiltrometer Test DR-29**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-29**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-29	Project:	Mountaire Farms	Test Designation:	DR-29
W.O.:	4940d	Test Location:	TP-29	W.O.:	4940d	Test Location:	TP-29
Date:	10/15/2019	Inner Ring Dia. (ft):	1.01	Date:	10/15/2019		
		Outer Ring Dia. (ft):	2.03	Test K V =	1.10031		
Soil Series:		Inner Ring Area (sqin):	115.37	K V @ 60 =	1.217		
Test Depth:	40 inches	Outer Ring Area (sqin):	350.69				
		Water Temp. (F):	66.77				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	183.74	Rate	18.47
															m-1	-0.31698	R^2	0.966042
															b	2.352213		
															bm	1.60661		
1	0.00	2.13	2.13	50	40	4.69	167.76	65	2.13	0	0.32838	0.818685	1.131355	172.49				75.85
2	2.13	6.27	4.14	40	38	0.48	17.26	65	6.27	7.90434306	0.797268	0.897866	1.131355	17.75				53.87
3	6.27	12.05	5.78	38	35	0.52	18.55	65	12.05	9.88042883	1.080987	0.994776	1.131355	19.07				43.79
4	12.05	16.91	4.86	35	30	1.03	36.76	65	16.91	13.1739051	1.228144	1.119715	1.131355	37.80				39.33
5	16.91	28.92	12.01	30	18	1.00	35.70	65	28.92	21.0782482	1.461198	1.323835	1.131355	36.71				33.18
6	28.92	33.18	4.26	18	16	0.47	16.78	65	33.18	22.3956387	1.520876	1.350163	1.131355	17.25				31.77
7	36.23	42.55	6.32	50	44	0.95	33.92	65	39.5	26.3478102	1.596597	1.420745	1.131355	34.88				30.06
8	42.55	49.17	6.62	44	40	0.60	21.59	65	46.12	28.9825912	1.663889	1.462137	1.131355	22.20				28.62
9	49.17	55.19	6.02	40	35	0.83	29.68	65	52.14	32.2760675	1.717171	1.508881	1.131355	30.52				27.53
10	55.19	61.26	6.07	35	31	0.66	23.55	65	58.21	34.9108485	1.764998	1.54296	1.131355	24.21				26.58
11	61.26	73.93	12.67	31	22.5	0.67	23.97	65	70.88	40.5097582	1.850524	1.60756	1.131355	24.65				24.97
12	73.93	80.67	6.74	22.5	17.5	0.74	26.51	65	77.62	43.8032345	1.889974	1.641506	1.131355	27.26				24.27
13	80.67	85.40	4.73	17.5	14	0.74	26.44	66	82.35	46.1086679	1.915664	1.663783	1.113702	26.76				23.81
14	88.19	93.10	4.91	25	20	1.02	36.39	66	87.26	49.4021441	1.940815	1.693746	1.113702	36.83				23.38
15	96.34	103.31	6.97	50	45	0.72	25.63	66	94.23	52.6956204	1.974189	1.721775	1.113702	25.94				22.82
16	103.31	110.22	6.91	45	40	0.72	25.86	67	101.14	55.9890967	2.004923	1.748103	1.096324	25.76				22.31
17	110.22	122.56	12.34	40	31	0.73	26.06	67	113.48	61.917354	2.054919	1.791812	1.096324	25.97				21.51
18	122.56	133.24	10.68	31	24	0.66	23.42	67	124.16	66.5282208	2.093982	1.823006	1.096324	23.34				20.91
19	133.24	142.06	8.82	24	19	0.57	20.26	68	132.98	69.821697	2.123786	1.84399	1.079218	19.87				20.46
20	142.06	153.08	11.02	19	12.5	0.59	21.08	69	144	74.1032162	2.158362	1.869837	1.062378	20.35				19.95
21	157.83	165.67	7.84	25	17.5	0.96	34.18	70	151.84	79.0434306	2.181386	1.897866	1.045801	32.49				19.62
22	165.67	173.65	7.98	17.5	12.5	0.63	22.39	70	159.82	82.3369069	2.203631	1.915595	1.045801	21.28				19.30
23	173.65	178.42	4.77	12.5	10.5	0.42	14.98	70	164.59	83.6542974	2.216403	1.922488	1.045801	14.24				19.12
24	179.93	186.93	7	15	10	0.71	25.52	70	171.59	86.9477737	2.234492	1.939258	1.045801	24.26				18.87
25	186.93	195.36	8.43	10	6	0.47	16.95	70	180.02	89.5825547	2.255321	1.952223	1.045801	16.11				18.59
26	195.36	199.08	3.72	6	3	0.81	28.82	70	183.74	91.5586405	2.264204	1.961699	1.045801	27.39				18.47

**Double Ring Infiltrometer  
Test Results**

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/15/2019  
 Soil Series:  
 Test Depth: 36 inches

Test Designation: DR-30  
 Test Location: TP-30  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 69.41

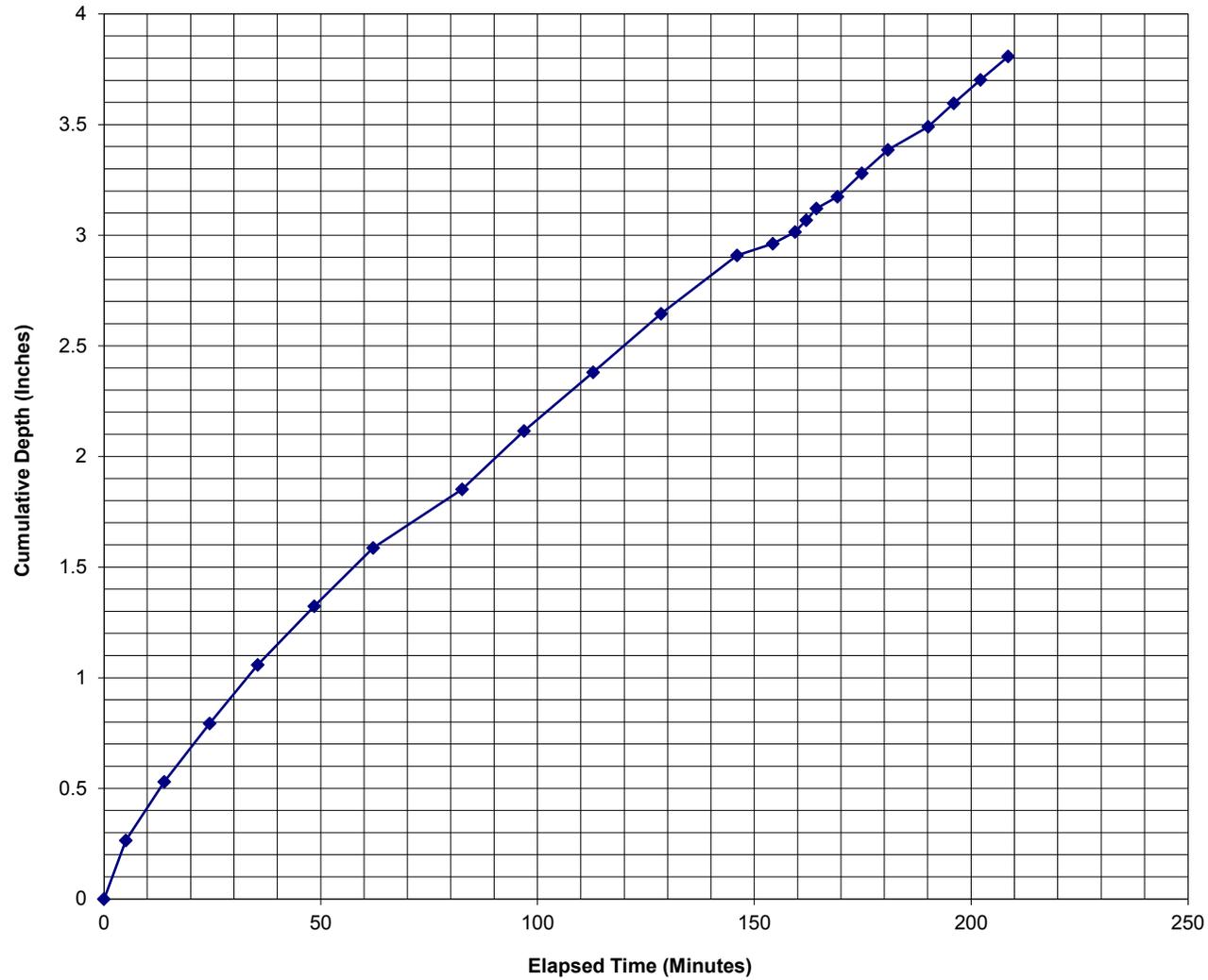
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/15/2019

Test Designation: DR-30  
 Test Location: TP-30

Test K V = 1.055565  
 K V @ 60 = 1.217

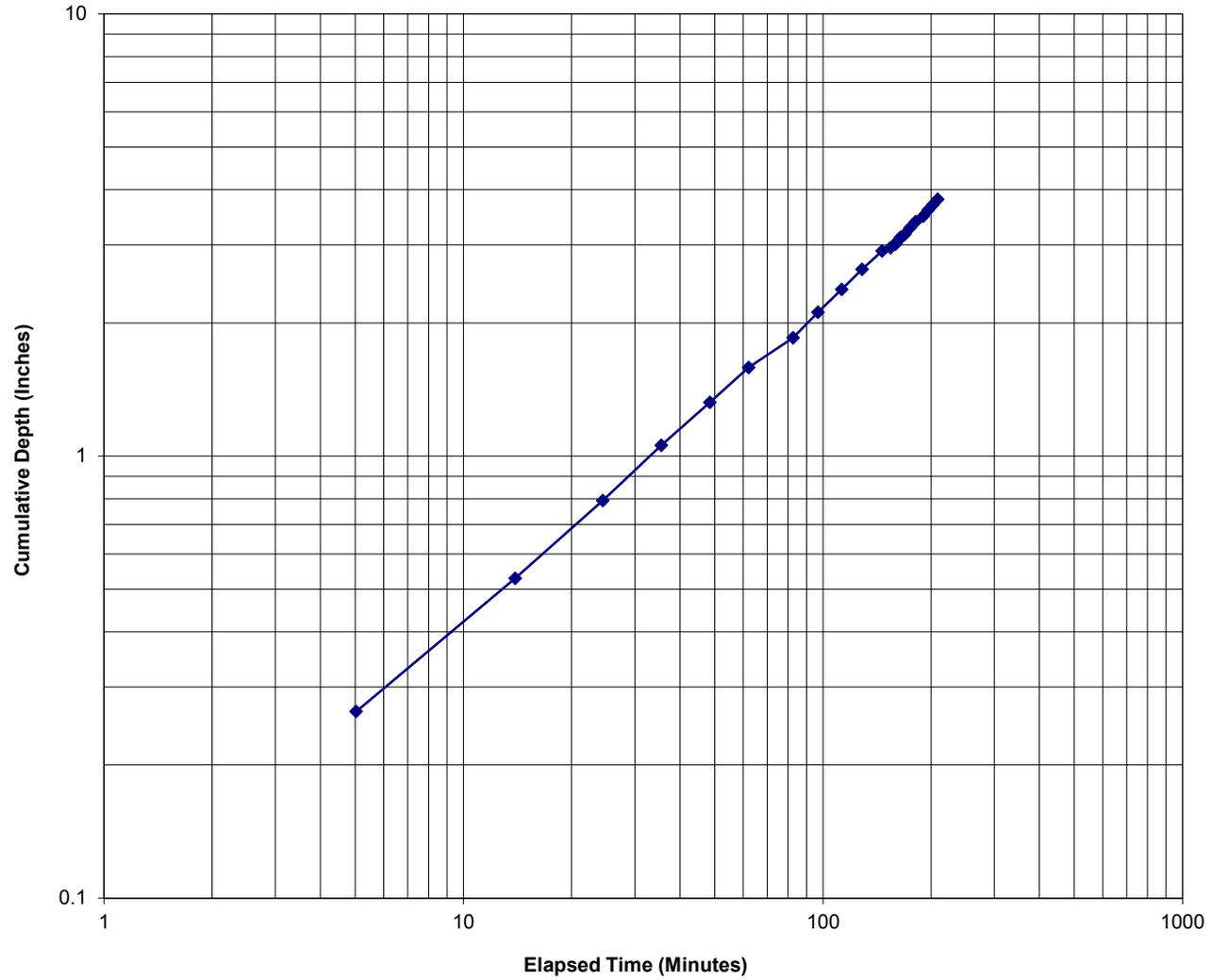
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	208.55	Rate	0.76
															m-1	-0.28544	R^2	0.999568
														m	0.714555			
														b	0.081822			
														bm	0.05847			
1	0.00	5.03	5.03	3500	3000	99.40	2.74	66	5.03	0.26445214	0.701568	-0.57765	1.113702	2.89				2.21
2	5.03	13.92	8.89	3000	2500	56.24	1.55	66	13.92	0.52890428	1.143639	-0.27662	1.113702	1.63				1.65
3	13.92	24.39	10.47	2500	2000	47.76	1.31	66	24.39	0.79335642	1.387212	-0.10053	1.113702	1.39				1.41
4	24.39	35.49	11.1	2000	1500	45.05	1.24	66	35.49	1.05780856	1.550106	0.024407	1.113702	1.31				1.27
5	35.49	48.49	13	1500	1000	38.46	1.06	66	48.49	1.3222607	1.685652	0.121317	1.113702	1.12				1.16
6	48.49	62.10	13.61	1000	500	36.74	1.01	66	62.1	1.58671284	1.793092	0.200498	1.113702	1.07				1.08
7	64.25	84.75	20.5	3500	3000	24.39	0.67	66	82.6	1.85116498	1.91698	0.267445	1.113702	0.71				1.00
8	84.75	99.02	14.27	3000	2500	35.04	0.96	66	96.87	2.11561712	1.986189	0.325437	1.113702	1.02				0.95
9	99.02	114.96	15.94	2500	2000	31.37	0.86	66	112.81	2.38006926	2.052348	0.37659	1.113702	0.91				0.91
10	114.96	130.67	15.71	2000	1500	31.83	0.88	69	128.52	2.64452141	2.108971	0.422347	1.062378	0.88				0.88
11	130.67	148.20	17.53	1500	1000	28.52	0.79	69	146.05	2.90897355	2.164502	0.46374	1.062378	0.79				0.85
12	149.59	157.80	8.21	3500	3400	12.18	0.34	71	154.26	2.96186397	2.188253	0.471565	1.029483	0.33				0.83
13	157.80	162.97	5.17	3400	3300	19.34	0.53	71	159.43	3.0147544	2.20257	0.479252	1.029483	0.52				0.82
14	162.97	165.50	2.53	3300	3200	39.53	1.09	72	161.96	3.06764483	2.209408	0.486805	1.013419	1.04				0.82
15	165.50	167.84	2.34	3200	3100	42.74	1.18	72	164.3	3.12053526	2.215638	0.494229	1.013419	1.13				0.82
16	167.84	172.73	4.89	3100	3000	20.45	0.56	72	169.19	3.17342569	2.228375	0.501528	1.013419	0.54				0.81
17	172.73	178.35	5.62	3000	2800	35.59	0.98	72	174.81	3.27920654	2.242566	0.515769	1.013419	0.94				0.80
18	178.35	184.38	6.03	2800	2600	33.17	0.91	72	180.84	3.3849874	2.257294	0.529557	1.013419	0.88				0.80
19	184.38	193.62	9.24	2600	2400	21.65	0.60	73	190.08	3.49076825	2.278936	0.542921	0.997606	0.56				0.78
20	193.62	199.54	5.92	2400	2200	33.78	0.93	73	196	3.59654911	2.292256	0.555886	0.997606	0.88				0.78
21	199.54	205.72	6.18	2200	2000	32.36	0.89	73	202.18	3.70232997	2.305738	0.568475	0.997606	0.84				0.77
22	205.72	212.09	6.37	2000	1800	31.40	0.86	74	208.55	3.80811082	2.31921	0.58071	0.98204	0.80				0.76

**Mountaire Farms of Delaware  
Infiltrometer Test DR-30**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-30**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-30  
 W.O.: 4940d Test Location: TP-30  
 Date: 10/15/2019 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series: Water Temp. (F): 69.14  
 Test Depth: 36 inches

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-30  
 W.O.: 4940d Test Location: TP-30  
 Date: 10/15/2019  
 Test K V = 1.059994  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	205.72	Rate	2.51
															m-1	-0.16093	R^2	0.99677
															m	0.839066		
															b	0.117529		
															bm	0.09861		
1	0.00	24.39	24.39	50	47.5	0.10	3.53	66	24.39	1.6467381	1.387212	0.216625	1.113702	3.71				3.54
2	24.39	62.10	37.71	47.5	44	0.09	3.19	66	62.1	3.9521715	1.793092	0.596836	1.113702	3.36				3.04
3	62.10	114.96	52.86	44	40	0.08	2.60	66	114.96	6.5869526	2.060547	0.818685	1.113702	2.74				2.76
4	114.96	149.59	34.63	40	38	0.06	1.99	69	149.59	7.9043431	2.174903	0.897866	1.062378	1.99				2.64
5	149.59	167.84	18.25	38	37	0.05	1.89	71	167.84	8.5630383	2.224895	0.932628	1.029483	1.83				2.59
6	167.84	184.38	16.54	37	36	0.06	2.08	72	184.38	9.2217336	2.265714	0.964813	1.013419	1.99				2.56
7	184.38	205.72	21.34	36	35	0.05	1.61	74	205.72	9.8804288	2.313277	0.994776	0.98204	1.49				2.51

**Double Ring Infiltrometer  
Test Results**

**Double Ring Infiltrometer  
Test Results**

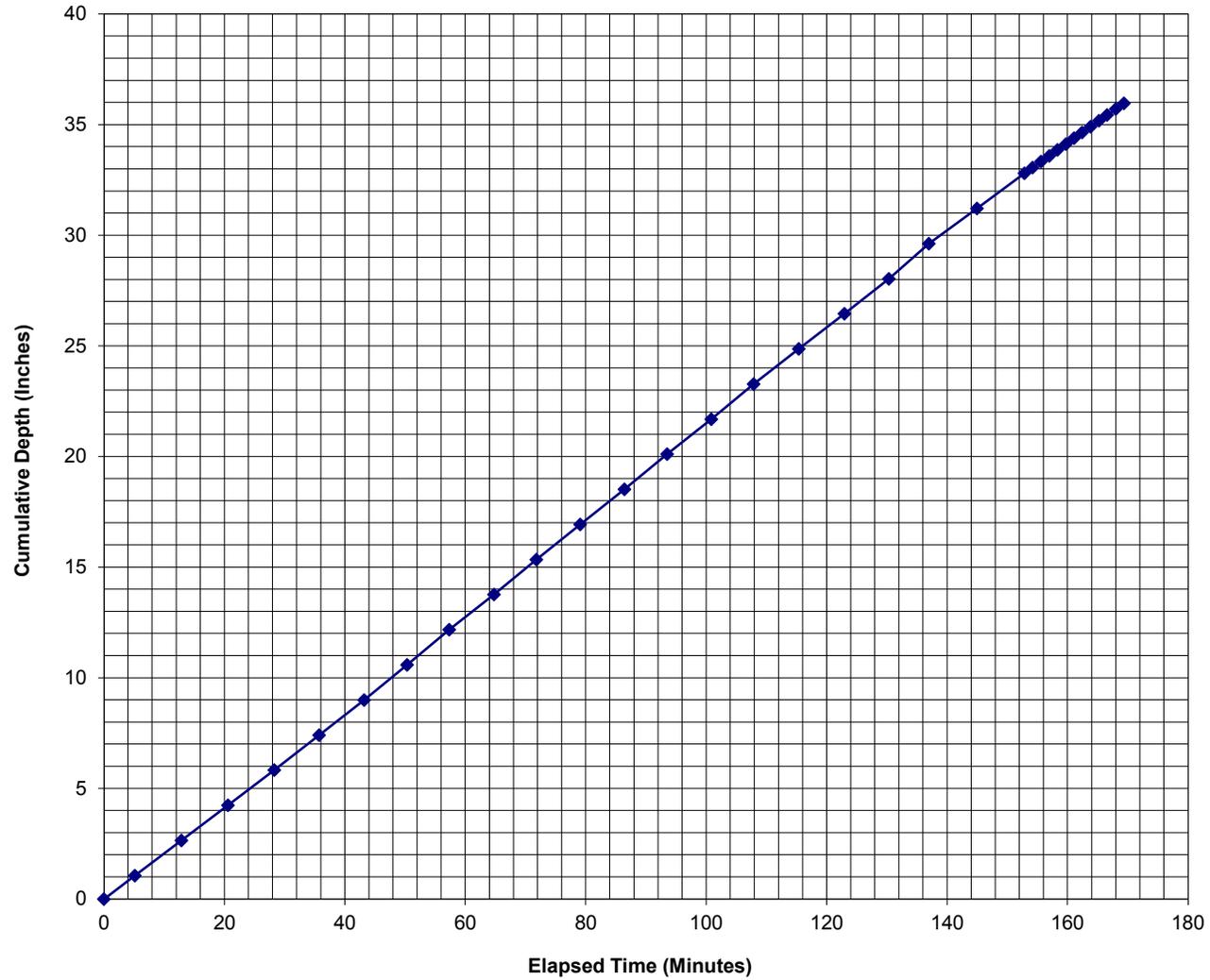
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/15/2019  
 Soil Series:  
 Test Depth: 11 inches

Test Designation: DR-31  
 Test Location: TP 31  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 75.76

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/15/2019  
 Test Designation: DR-31  
 Test Location: TP 31  
 Test K V = 0.955267  
 K V @ 60 = 1.217

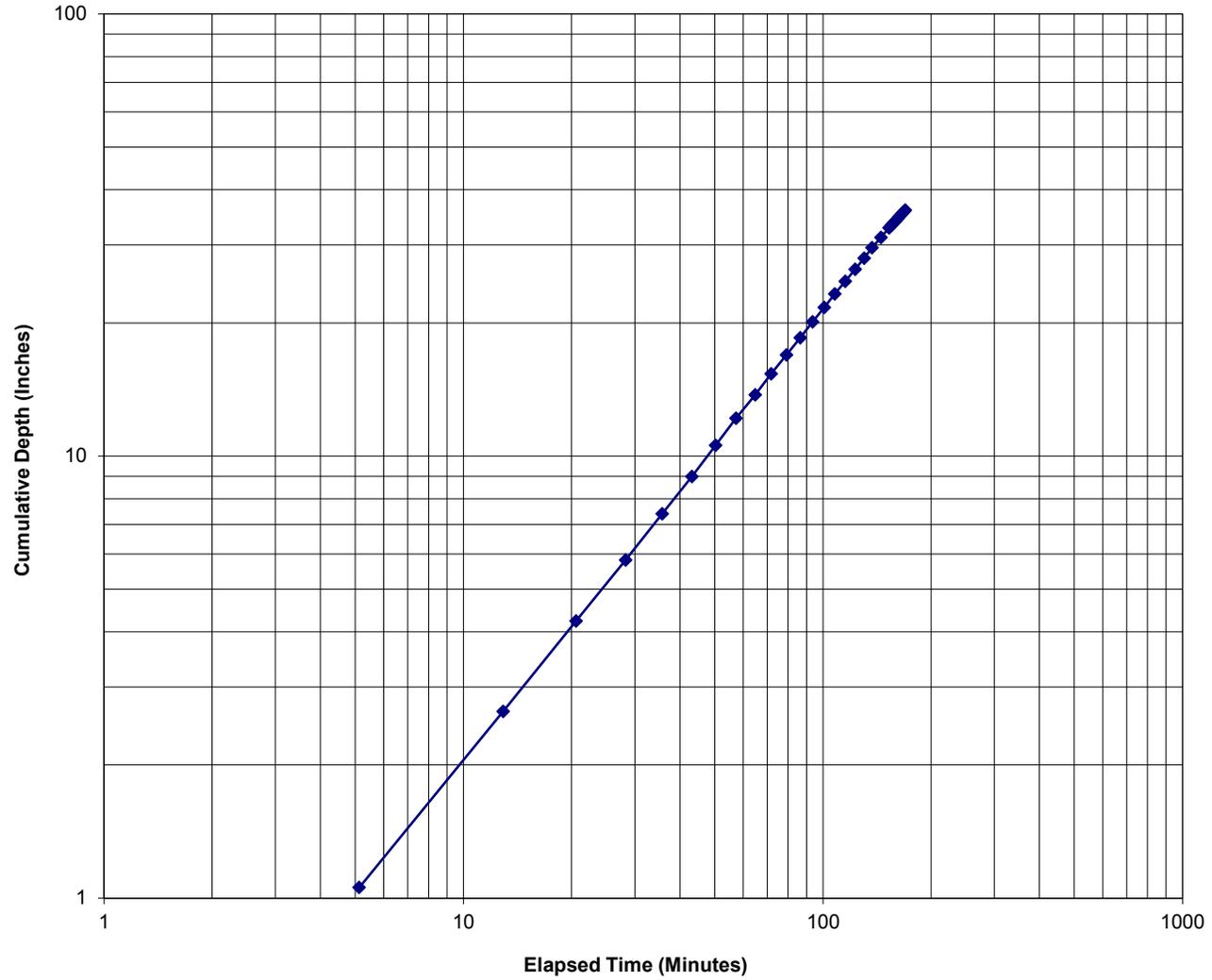
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
			0			0			0	0					169.35	13.07
															m-1	0.015145
															b	0.198569
															bm	0.20158
1	0.00	5.13	5.13	3300	1300	389.86	9.71	71	5.13	1.05780856	0.710117	0.024407	1.029483	10.47		12.40
2	6.65	14.41	7.76	3700	700	386.60	9.63	71	12.89	2.64452141	1.110253	0.422347	1.029483	10.38		12.57
3	15.59	23.28	7.69	3700	700	390.12	9.72	72	20.58	4.23123425	1.313445	0.626467	1.013419	10.31		12.66
4	24.36	32.05	7.69	3700	700	390.12	9.72	73	28.27	5.81794709	1.451326	0.76477	0.997606	10.15		12.72
5	33.52	40.98	7.46	3700	700	402.14	10.02	73	35.73	7.40465993	1.553033	0.869505	0.997606	10.46		12.77
6	42.14	49.61	7.47	3700	700	401.61	10.00	74	43.2	8.99137278	1.635484	0.953826	0.98204	10.28		12.80
7	50.80	57.92	7.12	3700	700	421.35	10.50	74	50.32	10.5780856	1.701741	1.024407	0.98204	10.79		12.83
8	59.35	66.34	6.99	3700	700	429.18	10.69	74	57.31	12.1647985	1.75823	1.085105	0.98204	10.99		12.86
9	67.31	74.76	7.45	3700	700	402.68	10.03	75	64.76	13.7515113	1.811307	1.13835	0.966716	10.15		12.88
10	75.97	82.99	7.02	3700	700	427.35	10.65	75	71.78	15.3382241	1.856003	1.185775	0.966716	10.77		12.90
11	84.53	91.86	7.33	3700	700	409.28	10.19	76	79.11	16.924937	1.898231	1.228527	0.951632	10.16		12.92
12	93.01	100.34	7.33	3700	700	409.28	10.19	76	86.44	18.5116498	1.936715	1.267445	0.951632	10.16		12.94
13	101.73	108.79	7.06	3700	700	424.93	10.58	76	93.5	20.0983627	1.970812	1.303161	0.951632	10.54		12.96
14	110.10	117.47	7.37	3700	700	407.06	10.14	77	100.87	21.6850755	2.003762	1.336161	0.936783	9.94		12.97
15	119.06	126.08	7.02	3700	700	427.35	10.65	77	107.89	23.2717884	2.032981	1.36683	0.936783	10.44		12.98
16	127.16	134.66	7.5	3700	700	400.00	9.96	77	115.39	24.8585012	2.062168	1.395475	0.936783	9.77		13.00
17	135.77	143.32	7.55	3700	700	397.35	9.90	77	122.94	26.4452141	2.089693	1.422347	0.936783	9.71		13.01
18	144.57	151.96	7.39	3700	700	405.95	10.11	77	130.33	28.0319269	2.115044	1.447653	0.936783	9.92		13.02
19	154.33	161.00	6.67	3700	700	449.78	11.20	77	137	29.6186397	2.136721	1.471565	0.936783	10.99		13.03
20	162.65	170.60	7.95	3700	700	377.36	9.40	77	144.95	31.2053526	2.161218	1.494229	0.936783	9.22		13.04
21	171.79	179.69	7.9	3700	700	379.75	9.46	77	152.85	32.7920654	2.184265	1.515769	0.936783	9.28		13.05
22	181.57	182.93	1.36	3500	3000	367.65	9.16	77	154.21	33.0565176	2.188113	1.519257	0.936783	8.98		13.05
23	182.93	184.30	1.37	3000	2500	364.96	9.09	77	155.58	33.3209697	2.191954	1.522718	0.936783	8.92		13.06
24	184.30	185.69	1.39	2500	2000	359.71	8.96	77	156.97	33.5854218	2.195817	1.526151	0.936783	8.79		13.06
25	185.69	187.06	1.37	2000	1500	364.96	9.09	77	158.34	33.849874	2.199591	1.529557	0.936783	8.92		13.06
26	187.06	188.46	1.4	1500	1000	357.14	8.90	77	159.74	34.1143261	2.203414	1.532937	0.936783	8.72		13.06
27	188.46	189.81	1.35	1000	500	370.37	9.23	77	161.09	34.3787783	2.207069	1.53629	0.936783	9.05		13.06
28	191.18	192.54	1.36	3500	3000	367.65	9.16	77	162.45	34.6432304	2.21072	1.539618	0.936783	8.98		13.06
29	192.54	193.92	1.38	3000	2500	362.32	9.03	77	163.83	34.9076825	2.214393	1.542921	0.936783	8.85		13.07
30	193.92	195.33	1.41	2500	2000	354.61	8.83	77	165.24	35.1721347	2.218115	1.546199	0.936783	8.66		13.07
31	195.33	196.67	1.34	2000	1500	373.13	9.29	77	166.58	35.4365868	2.221623	1.549452	0.936783	9.11		13.07
32	196.67	198.10	1.43	1500	1000	349.65	8.71	77	168.01	35.701039	2.225335	1.552681	0.936783	8.54		13.07
33	198.10	199.44	1.34	1000	500	373.13	9.29	77	169.35	35.9654911	2.228785	1.555886	0.936783	9.11		13.07

**Mountaire Farms of Delaware  
Infiltrometer Test DR-31**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-31**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-31  
 Test Location: TP 31  
 W.O.: 4940d Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Date: 10/15/2019 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series:  
 Test Depth: 11 inches Water Temp. (F): 75.53

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-31  
 Test Location: TP 31  
 W.O.: 4940d  
 Date: 10/15/2019  
 Test K V = 0.958642  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	180.84	Rate	14.69
															m-1	-0.04926	R^2	0.995538
			0			0			0	0					bm	0.31627		
1	0.00	15.59	15.59	50	42.5	0.48	14.98	71	15.59	4.94021441	1.192846	0.693746	1.029483					16.57
2	15.59	33.52	17.93	42.5	36	0.36	11.29	72	33.52	9.22173357	1.525304	0.964813	1.013419					15.96
3	40.98	57.92	16.94	50	45	0.30	9.19	73	50.46	12.5152098	1.702947	1.097438	0.997606					15.64
4	57.92	67.31	9.39	45	40	0.53	16.58	74	59.85	15.8086861	1.777064	1.198896	0.98204					15.51
5	67.31	84.53	17.22	40	32.5	0.44	13.56	75	77.07	20.7489005	1.886885	1.316995	0.966716					15.32
6	84.53	93.01	8.48	32.5	30	0.29	9.18	76	85.55	22.3956387	1.93222	1.350163	0.951632					15.24
7	93.01	110.10	17.09	30	22.5	0.44	13.66	76	102.64	27.3358531	2.011317	1.436733	0.951632					15.10
8	110.10	117.47	7.37	22.5	20	0.34	10.56	77	110.01	28.9825912	2.041432	1.462137	0.936783					15.05
9	119.06	134.66	15.6	24	20	0.26	7.98	77	125.61	31.6173722	2.099024	1.499926	0.936783					14.96
10	134.66	143.32	8.66	20	15	0.58	17.97	77	134.27	34.9108485	2.127979	1.54296	0.936783					14.91
11	143.32	151.96	8.64	15	12.5	0.29	9.01	77	142.91	36.5575867	2.155063	1.562978	0.936783					14.86
12	151.96	161.00	9.04	12.5	7.5	0.55	17.22	77	151.95	39.8510629	2.181701	1.60044	0.936783					14.82
13	162.65	171.79	9.14	20	15	0.55	17.03	77	161.09	43.1445392	2.207069	1.634926	0.936783					14.77
14	179.69	191.18	11.49	25	20	0.44	13.55	77	172.58	46.4380155	2.23699	1.666874	0.936783					14.72
15	191.18	199.44	8.26	20	16	0.48	15.08	77	180.84	49.0727965	2.257294	1.690841	0.936783					14.69

**Double Ring Infiltrometer  
Test Results**

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/17/19  
 Soil Series:  
 Test Depth: 50 Inches

Test Designation: DR-32  
 Test Location: TP-32  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 66.00

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 1/0/1900  
 Test K V = 1.113702  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	160.75 m-1	Rate R^2	20.22
1	0:00	3:14	3:14	3700	700	955.41	27.75	66	3.14	1.58671284	0.49693	0.200498	1.113702	27.75			29.25	
2	4:36	7:71	3:35	3700	700	895.52	26.01	66	6.49	3.17342569	0.812245	0.501528	1.113702	26.01			27.32	
3	8:60	11:95	3:35	3700	700	895.52	26.01	66	9.84	4.76013853	0.992995	0.67762	1.113702	26.01			26.28	
4	12:89	16:34	3:45	3700	700	869.57	25.25	66	13.29	6.34685137	1.123525	0.802558	1.113702	25.25			25.55	
5	17:53	21:15	3:62	3700	700	828.73	24.07	66	16.91	7.93356422	1.228144	0.899468	1.113702	24.07			24.97	
6	22:10	25:91	3:81	3700	700	787.40	22.87	66	20.72	9.52027706	1.31639	0.97865	1.113702	22.87			24.50	
7	26:90	30:82	3:92	3700	700	765.31	22.23	66	24.64	11.1069899	1.391641	1.054596	1.113702	22.23			24.11	
8	31:78	35:69	3:91	3700	700	767.26	22.28	66	28.55	12.6937027	1.455606	1.103588	1.113702	22.28			23.78	
9	36:64	40:63	3:99	3700	700	751.88	21.84	66	32.54	14.2804156	1.512418	1.154741	1.113702	21.84			23.49	
10	41:51	45:65	4:14	3700	700	724.64	21.04	66	36.68	15.8671284	1.584429	1.200498	1.113702	21.04			23.22	
11	46:52	50:62	4:1	3700	700	731.71	21.25	66	40.78	17.4538413	1.610447	1.241891	1.113702	21.25			22.99	
12	51:52	55:65	4:13	3700	700	726.39	21.09	66	44.91	19.0405541	1.652343	1.27968	1.113702	21.09			22.79	
13	56:55	60:69	4:14	3700	700	724.64	21.04	66	49.05	20.627267	1.690639	1.314442	1.113702	21.04			22.60	
14	61:61	65:92	4:31	3700	700	696.06	20.21	66	53.36	22.2139798	1.727216	1.346626	1.113702	20.21			22.42	
15	66:87	71:14	4:27	3700	700	702.58	20.40	66	57.63	23.8006926	1.760649	1.37659	1.113702	20.40			22.26	
16	72:07	76:36	4:29	3700	700	699.30	20.31	66	61.92	25.3874055	1.791831	1.404618	1.113702	20.31			22.11	
17	77:29	81:51	4:22	3700	700	710.90	20.65	66	66.14	26.9741183	1.820464	1.430947	1.113702	20.65			21.97	
18	82:36	86:76	4:4	3700	700	681.82	19.80	66	70.54	28.5608312	1.848435	1.455771	1.113702	19.80			21.84	
19	87:62	92:04	4:42	3700	700	678.73	19.71	66	74.96	30.147544	1.87483	1.479252	1.113702	19.71			21.72	
20	92:98	97:33	4:35	3700	700	689.66	20.03	66	79.31	31.7342569	1.899328	1.501528	1.113702	20.03			21.60	
21	98:26	102:80	4:54	3700	700	660.79	19.19	66	83.85	33.3209697	1.923503	1.522718	1.113702	19.19			21.49	
22	103:77	108:30	4:53	3700	700	662.25	19.23	66	88.38	34.9076825	1.946354	1.542921	1.113702	19.23			21.38	
23	109:19	113:74	4:55	3700	700	659.34	19.15	66	92.93	36.4943954	1.988156	1.562226	1.113702	19.15			21.28	
24	114:70	119:17	4:47	3700	700	671.14	19.49	66	97.4	38.0811082	1.988559	1.58071	1.113702	19.49			21.19	
25	119:99	124:55	4:56	3700	700	657.89	19.11	66	101.96	39.6678211	2.00843	1.598438	1.113702	19.11			21.10	
26	125:44	130:03	4:59	3700	700	653.59	18.98	66	106.55	41.2545339	2.027553	1.615472	1.113702	18.98			21.01	
27	130:94	135:58	4:64	3700	700	646.55	18.78	66	111.19	42.8412468	2.046066	1.631862	1.113702	18.78			20.93	
28	136:59	141:21	4:62	3700	700	649.35	18.86	66	115.81	44.4279596	2.063746	1.647656	1.113702	18.86			20.85	
29	142:02	146:77	4:75	3700	700	631.58	18.34	66	120.56	46.0146724	2.081203	1.662896	1.113702	18.34			20.77	
30	147:66	152:30	4:64	3700	700	646.55	18.78	66	125.2	47.6013853	2.097604	1.67762	1.113702	18.78			20.70	
31	153:85	158:61	4:76	3700	700	630.25	18.30	66	129.96	49.1880981	2.11381	1.69186	1.113702	18.30			20.62	
32	159:49	164:20	4:71	3700	700	636.94	18.50	66	134.67	50.774811	2.129271	1.705648	1.113702	18.50			20.56	
33	165:30	169:98	4:68	3600	600	641.03	18.62	66	139.35	52.3615238	2.144107	1.719012	1.113702	18.62			20.49	
34	170:91	171:62	0:71	3700	3200	704.23	20.45	66	140.06	52.625976	2.146314	1.7212	1.113702	20.45			20.48	
35	171:62	172:40	0:78	3200	2700	641.03	18.62	66	140.84	52.8904281	2.148726	1.723377	1.113702	18.62			20.47	
36	172:40	173:19	0:79	2700	2200	632.91	18.38	66	141.63	53.1548802	2.151155	1.725543	1.113702	18.38			20.46	
37	173:19	174:03	0:84	2200	1700	595.24	17.29	66	142.47	53.4193324	2.153723	1.727698	1.113702	17.29			20.45	
38	174:03	174:83	0:8	1700	1200	625.00	18.15	66	143.27	53.6837845	2.156155	1.729843	1.113702	18.15			20.44	
39	174:83	175:64	0:81	1200	700	617.28	17.93	66	144.08	53.9482367	2.158604	1.731977	1.113702	17.93			20.43	
40	176:60	177:32	0:72	3700	3200	694.44	20.17	66	144.8	54.2126888	2.160769	1.734101	1.113702	20.17			20.42	
41	177:32	178:11	0:79	3200	2700	632.91	18.38	66	145.59	54.4771409	2.163132	1.736214	1.113702	18.38			20.41	
42	178:11	178:91	0:8	2700	2200	625.00	18.15	66	146.39	54.7415931	2.165511	1.738317	1.113702	18.15			20.40	
43	178:91	179:75	0:84	2200	1700	595.24	17.29	66	147.23	55.0060452	2.167996	1.74041	1.113702	17.29			20.38	
44	179:75	180:54	0:79	1700	1200	632.91	18.38	66	148.02	55.2704974	2.17032	1.742493	1.113702	18.38			20.37	
45	183:75	184:56	0:81	3700	3200	617.28	17.93	66	148.83	55.5349495	2.17269	1.744566	1.113702	17.93			20.36	
46	184:56	185:37	0:81	3200	2700	617.28	17.93	66	149.64	55.7994016	2.175048	1.74663	1.113702	17.93			20.35	
47	185:37	186:20	0:83	2700	2200	602.41	17.49	66	150.47	56.0638538	2.17745	1.748883	1.113702	17.49			20.34	
48	186:20	187:05	0:85	2200	1700	588.24	17.08	66	151.32	56.3283059	2.179896	1.750727	1.113702	17.08			20.33	
49	187:05	187:89	0:84	1700	1200	595.24	17.29	66	152.16	56.5927581	2.1823	1.752761	1.113702	17.29			20.32	
50	187:89	188:72	0:83	1200	700	602.41	17.49	66	152.99	56.8572102	2.184663	1.754786	1.113702	17.49			20.31	
51	189:75	190:77	1:02	3700	3200	490.20	14.24	66	154.01	57.1216624	2.187549	1.756801	1.113702	14.24			20.30	
52	190:77	191:64	0:87	3200	2700	574.71	16.69	66	154.88	57.3861145	2.189995	1.758807	1.113702	16.69			20.29	
53	191:64	192:51	0:87	2700	2200	574.71	16.69	66	155.75	57.6505666	2.192428	1.760804	1.113702	16.69			20.28	
54	192:51	193:39	0:88	2200	1700	568.18	16.50	66	156.63	57.9150188	2.194875	1.762791	1.113702	16.50			20.27	
55	193:39	194:24	0:85	1700	1200	588.24	17.08	66	157.48	58.1794709	2.197225	1.76477	1.113702	17.08			20.26	
56	194:24	195:09	0:85	1200	700	588.24	17.08	66	158.33	58.4439231	2.199563	1.766739	1.113702	17.08			20.25	
57	196:57	197:39	0:82	3700	3200	609.76	17.71	66	159.15	58.7083752	2.201807	1.7687	1.113702	17.71			20.24	
58	197:39	198:20	0:81	3200	2700	617.28	17.93	66	159.96	58.9728273	2.204011	1.770652	1.113702	17.93			20.23	
59	198:20	198:99	0:79	2700	2200	632.91	18.38	66	160.75	59.2372795	2.206151	1.772595	1.113702	18.38			20.22	

**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-32  
 Test Location: TP-32  
 W.O.: 4940d Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Date: 10/17/19 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series: Water Temp. (F): 66.00  
 Test Depth: 50 Inches

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-32  
 W.O.: 4940d Test Location: TP-32  
 Date: 1/0/1900  
 Test K V = 1.113702  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	186.65	Rate	19.38
															m-1	-0.13109	R^2	0.998853
															m	0.868906		
															b	0.737923		
															bm	0.64119		
1	0.00	8.60	8.6	50	42.5	0.87	31.54	66	8.6	0	0.934498	0.693746	1.113702	31.54				29.02
2	8.60	21.15	12.55	42.5	35	0.60	21.61	66	21.15	9.880428826	1.32531	0.994776	1.113702	21.61				25.79
3	21.15	36.64	15.49	35	25	0.65	23.35	66	36.64	16.46738138	1.563955	1.216625	1.113702	23.35				23.99
4	40.63	61.61	20.98	50	35	0.71	25.86	66	57.62	26.3478102	1.760573	1.420745	1.113702	25.86				22.61
5	61.61	82.36	20.75	35	25	0.48	17.43	66	78.37	32.93476275	1.89415	1.517655	1.113702	17.43				21.72
6	82.36	92.98	10.62	25	20	0.47	17.03	66	88.99	36.22823903	1.949341	1.559047	1.113702	17.03				21.36
7	97.33	119.99	22.66	50	37.5	0.55	19.95	66	111.65	44.46192972	2.047859	1.647988	1.113702	19.95				20.73
8	119.99	135.58	15.59	37.5	30	0.48	17.40	66	127.24	49.40214413	2.104624	1.693746	1.113702	17.40				20.38
9	135.58	152.30	16.72	30	20	0.60	21.63	66	143.96	55.98909668	2.158242	1.748103	1.113702	21.63				20.05
10	152.30	179.75	27.45	20	7.5	0.46	16.47	66	171.41	64.22278737	2.234036	1.807689	1.113702	16.47				19.60
11	183.75	198.99	15.24	20	13	0.46	16.61	66	186.65	68.83365416	2.271028	1.837801	1.113702	16.61				19.38

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/17/19  
 Soil Series:  
 Test Depth: 26 Inches

Test Designation: DR-33  
 Test Location: TP-33  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 66.00

**Double Ring Infiltrometer  
Test Results**

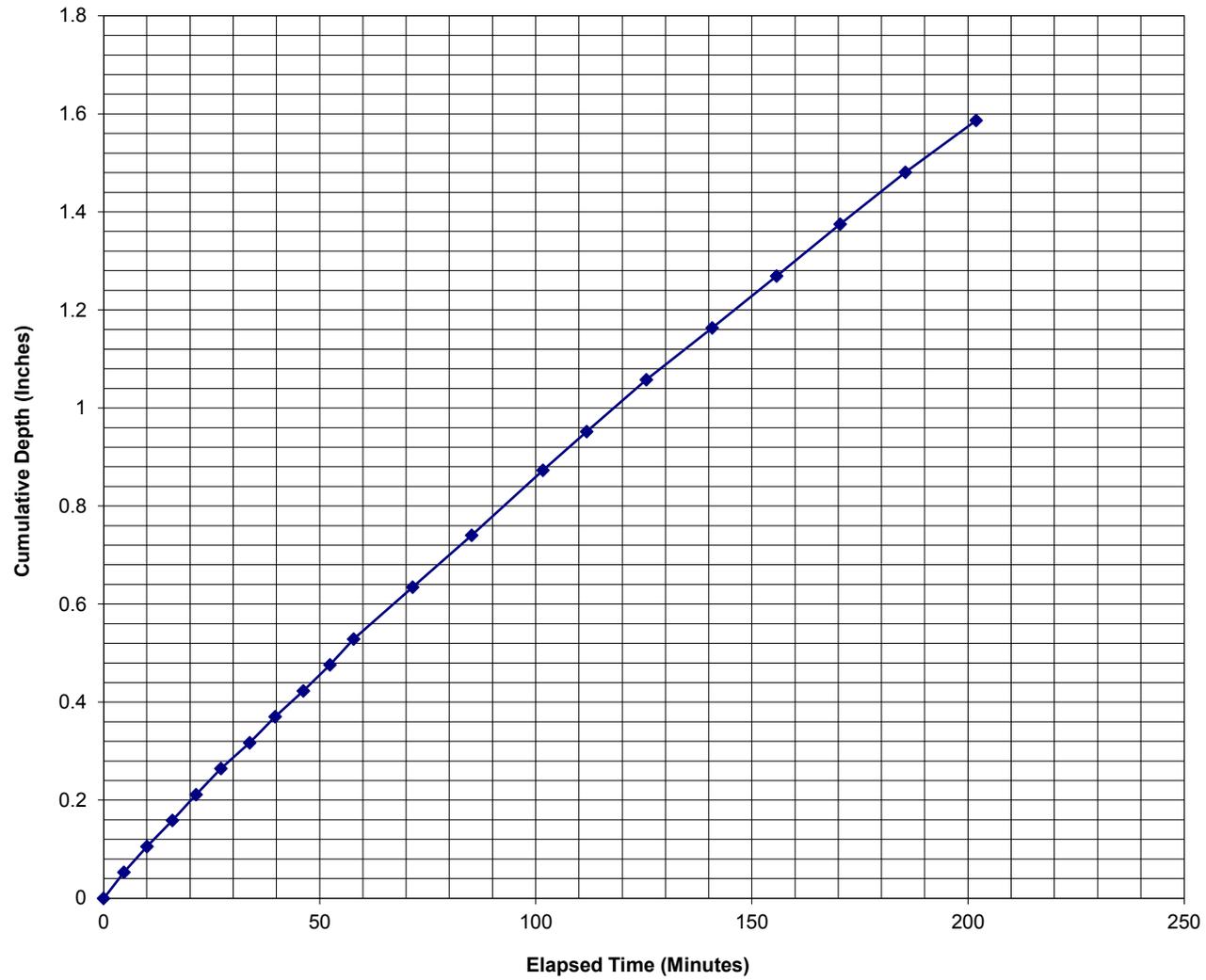
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/17/2019

Test Designation: DR-33  
 Test Location: TP-33

Test K V = 1.113702  
 K V @ 60 = 1.217

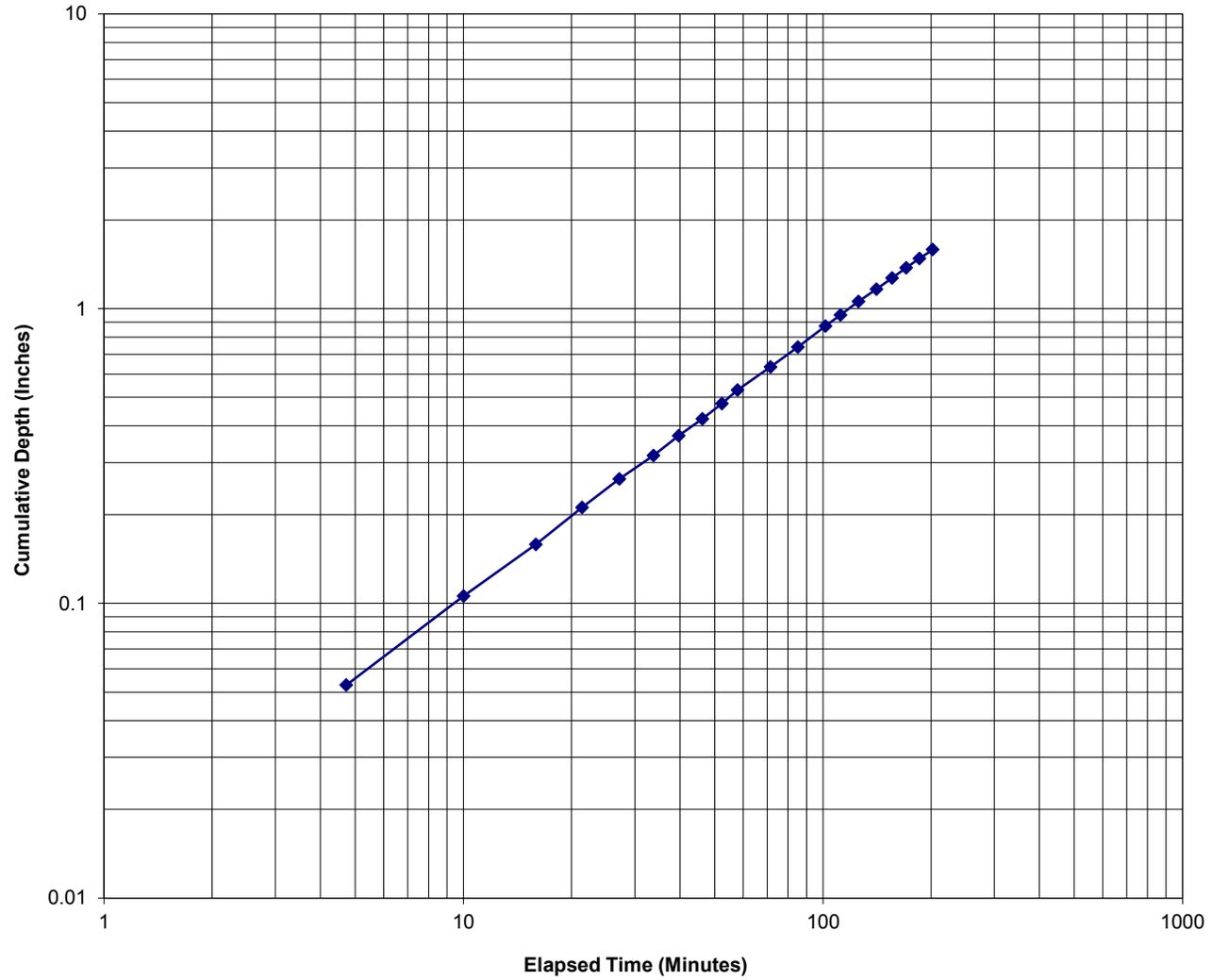
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	201.87	Rate	0.44
															m-1	-0.09234	R^2	0.999906
															m	0.907657		
															b	0.013064		
															bm	0.01186		
1	0.00	4.72	4.72	3500	3400	21.19	0.62	66	4.72	0.05289043	0.673942	-1.27662	1.113702	0.62				0.62
2	4.72	10.01	5.29	3400	3300	18.90	0.55	66	10.01	0.10578086	1.000434	-0.97559	1.113702	0.55				0.58
3	10.01	15.90	5.89	3300	3200	16.98	0.49	66	15.9	0.15867128	1.201397	-0.7995	1.113702	0.49				0.55
4	15.90	21.40	5.5	3200	3100	18.18	0.53	66	21.4	0.21156171	1.330414	-0.67456	1.113702	0.53				0.54
5	21.40	27.14	5.74	3100	3000	17.42	0.51	66	27.14	0.26445214	1.43361	-0.57765	1.113702	0.51				0.52
6	27.14	33.81	6.67	3000	2900	14.99	0.44	66	33.81	0.31734257	1.529045	-0.49847	1.113702	0.44				0.51
7	33.81	39.70	5.89	2900	2800	16.98	0.49	66	39.7	0.370233	1.598791	-0.43152	1.113702	0.49				0.51
8	39.70	46.21	6.51	2800	2700	15.36	0.45	66	46.21	0.42312342	1.664736	-0.37353	1.113702	0.45				0.50
9	46.21	52.36	6.15	2700	2600	16.26	0.47	66	52.36	0.47601385	1.719	-0.32238	1.113702	0.47				0.49
10	52.36	57.83	5.47	2600	2500	18.28	0.53	66	57.83	0.52890428	1.762153	-0.27662	1.113702	0.53				0.49
11	57.83	71.49	13.66	2500	2300	14.64	0.43	66	71.49	0.63468514	1.854245	-0.19744	1.113702	0.43				0.48
12	71.49	85.14	13.65	2300	2100	14.65	0.43	66	85.14	0.74046599	1.930134	-0.13049	1.113702	0.43				0.47
13	85.14	101.69	16.55	2100	1850	15.11	0.44	66	101.69	0.87269206	2.007278	-0.05914	1.113702	0.44				0.46
14	101.69	111.79	10.1	1850	1700	14.85	0.43	66	111.79	0.95202771	2.048403	-0.02135	1.113702	0.43				0.46
15	111.79	125.55	13.76	1700	1500	14.53	0.42	66	125.55	1.05780856	2.098817	0.024407	1.113702	0.42				0.46
16	125.55	140.83	15.28	1500	1300	13.09	0.38	66	140.83	1.16358942	2.148695	0.0658	1.113702	0.38				0.45
17	140.83	155.76	14.93	1300	1100	13.40	0.39	66	155.76	1.26937027	2.192456	0.103588	1.113702	0.39				0.45
18	155.76	170.39	14.63	1100	900	13.67	0.40	66	170.39	1.37515113	2.231444	0.13835	1.113702	0.40				0.44
19	170.39	185.53	15.14	900	700	13.21	0.38	66	185.53	1.48093199	2.268414	0.170535	1.113702	0.38				0.44
20	185.53	201.87	16.34	700	500	12.24	0.36	66	201.87	1.58671284	2.305072	0.200498	1.113702	0.36				0.44

**Mountaire Farms of Delaware  
Infiltrometer Test DR-33**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-33**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-33  
 Test Location: TP-33  
 W.O.: 4940d Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Date: 10/17/19 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series: Water Temp. (F): 66.00  
 Test Depth: 26 Inches

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-33  
 W.O.: 4940d Test Location: TP-33  
 Date: 10/17/2019  
 Test K V = 1.113702  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	m-1	b	Rate	R^2
			0			0			0	0					170.39	-0.30634	0.050643	0.44	0.898351
1	0.00	46.21	46.21	50	49	0.02	0.78	66	46.21	0.658695255	1.664736	-0.18132	1.113702	0.78					0.65
2	46.21	85.14	38.93	49	48	0.03	0.93	66	85.14	1.31739051	1.930134	0.119715	1.113702	0.93					0.54
3	85.14	170.39	85.25	48	47.5	0.01	0.21	66	170.39	1.646738138	2.231444	0.216625	1.113702	0.21					0.44

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/17/19  
 Soil Series:  
 Test Depth: 58 Inches

Test Designation: DR-34  
 TP-34  
 Test Location:  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 62.46

**Double Ring Infiltrometer  
Test Results**

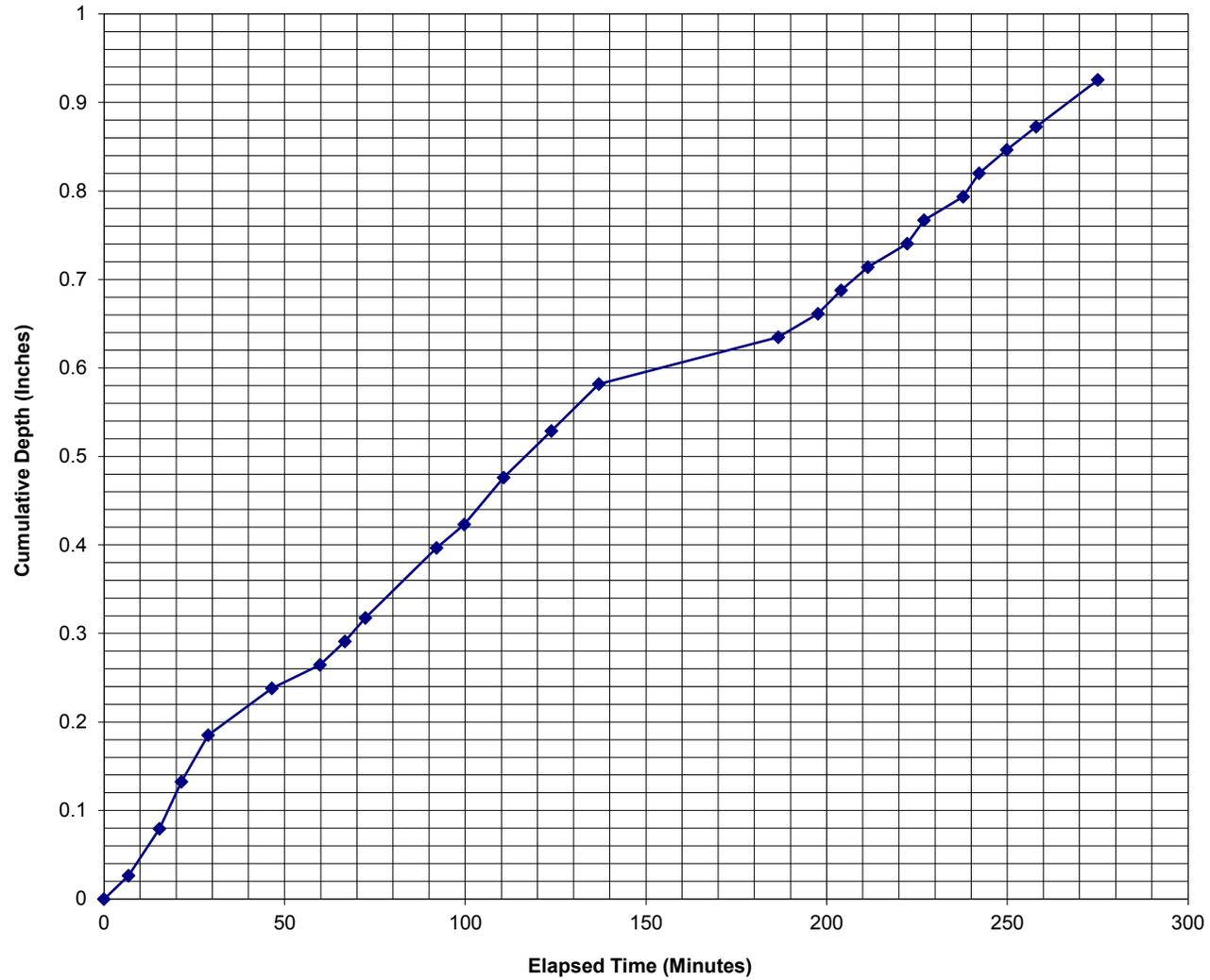
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/17/2019

Test Designation: DR-34  
 Test Location: TP-34

Test K V = 1.177494  
 K V @ 60 = 1.217

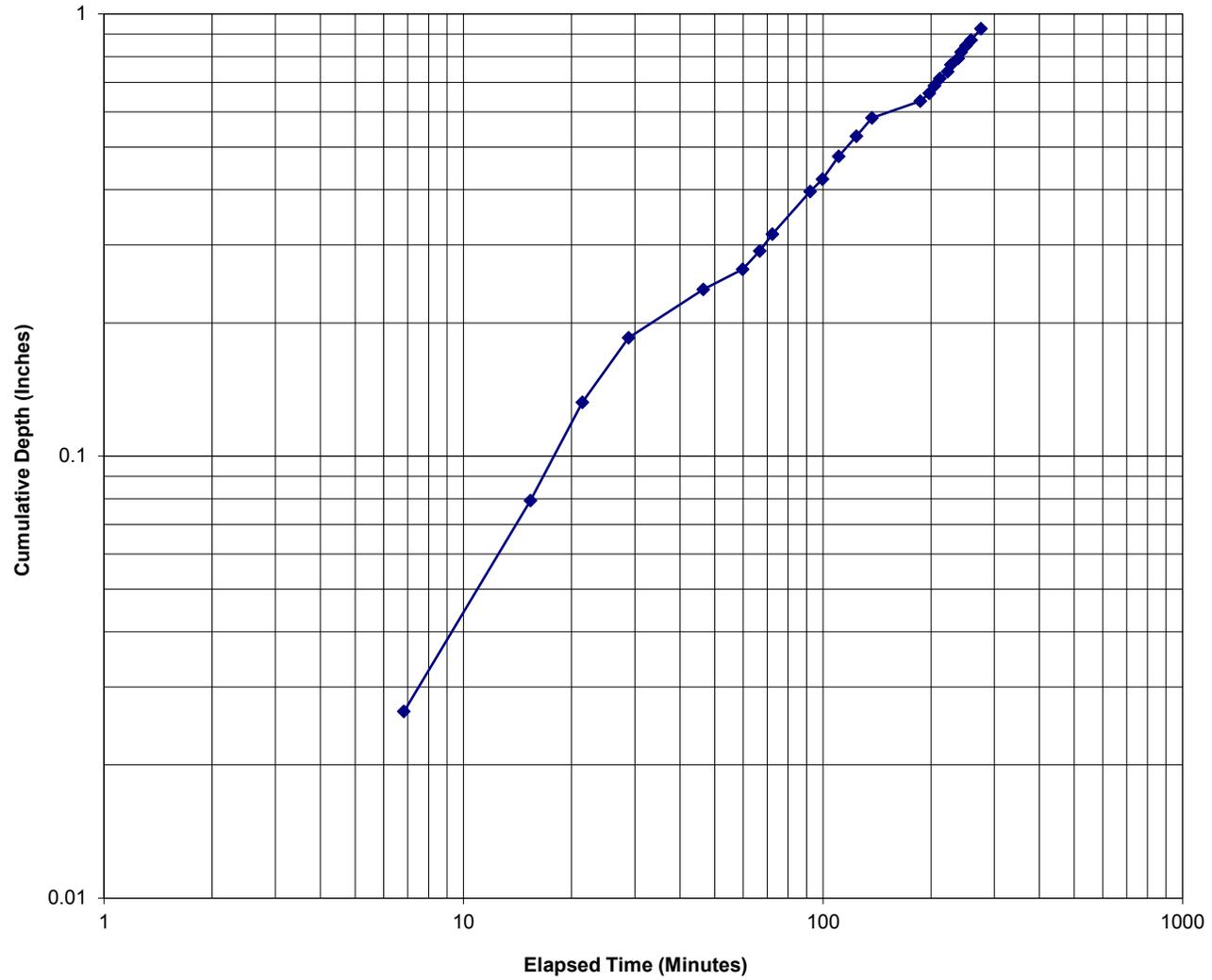
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	275.05	Rate	0.18
															m-1	-0.14793	R^2	0.977085
															m	0.852065		
															b	0.007949		
															bm	0.00677		
1	0.00	6.83	6.83	3350	3300	7.32	0.22	64	6.83	0.02644521	0.834421	-1.57765	1.149288	0.22				0.31
2	6.83	15.37	8.54	3300	3200	11.71	0.36	64	15.37	0.07933564	1.186674	-1.10053	1.149288	0.35				0.27
3	15.37	21.43	6.06	3200	3100	16.50	0.51	64	21.43	0.13222607	1.331022	-0.87868	1.149288	0.49				0.26
4	21.43	28.81	7.38	3100	3000	13.55	0.42	64	28.81	0.1851165	1.459543	-0.73255	1.149288	0.41				0.25
5	28.81	46.51	17.7	3000	2900	5.65	0.17	64	46.51	0.23800693	1.667546	-0.62341	1.149288	0.17				0.23
6	46.51	59.80	13.29	2900	2850	3.76	0.12	64	59.8	0.26445214	1.776701	-0.57765	1.149288	0.11				0.22
7	59.80	66.68	6.88	2850	2800	7.27	0.22	64	66.68	0.29089735	1.823996	-0.53626	1.149288	0.22				0.22
8	66.68	72.31	5.63	2800	2750	8.88	0.27	64	72.31	0.31734257	1.859198	-0.49847	1.149288	0.27				0.22
9	72.31	92.06	19.75	2750	2600	7.59	0.23	62	92.06	0.39667821	1.964071	-0.40156	1.186012	0.23				0.21
10	92.06	99.71	7.65	2600	2550	6.54	0.20	62	99.71	0.42312342	1.998739	-0.37353	1.186012	0.20				0.21
11	99.71	110.57	10.86	2550	2450	9.21	0.28	62	110.57	0.47601385	2.043637	-0.32238	1.186012	0.28				0.20
12	110.57	123.87	13.3	2450	2350	7.52	0.23	62	123.87	0.52890428	2.092966	-0.27662	1.186012	0.23				0.20
13	123.87	136.97	13.1	2350	2250	7.63	0.23	62	136.97	0.58179471	2.136625	-0.23523	1.186012	0.24				0.20
14	136.97	186.60	49.63	2250	2150	2.01	0.06	62	186.6	0.63468514	2.270912	-0.19744	1.186012	0.06				0.19
15	186.60	197.61	11.01	2150	2100	4.54	0.14	61	197.61	0.66113035	2.295809	-0.17971	1.204811	0.14				0.19
16	197.61	204.01	6.4	2100	2050	7.81	0.24	61	204.01	0.68757557	2.309651	-0.16268	1.204811	0.25				0.19
17	204.01	211.41	7.4	2050	2000	6.76	0.21	61	211.41	0.71402078	2.325126	-0.14629	1.204811	0.21				0.18
18	211.41	222.32	10.91	2000	1950	4.58	0.14	61	222.32	0.74046599	2.346979	-0.13049	1.204811	0.14				0.18
19	222.32	226.97	4.65	1950	1900	10.75	0.33	61	226.97	0.76691121	2.355968	-0.11525	1.204811	0.34				0.18
20	226.97	237.78	10.81	1900	1850	4.63	0.14	61	237.78	0.79335642	2.376175	-0.10053	1.204811	0.15				0.18
21	237.78	242.20	4.42	1850	1800	11.31	0.35	62	242.2	0.81980164	2.384174	-0.08629	1.186012	0.35				0.18
22	242.20	249.87	7.67	1800	1750	6.52	0.20	62	249.87	0.84624685	2.397714	-0.0725	1.186012	0.20				0.18
23	249.87	257.98	8.11	1750	1700	6.17	0.19	62	257.98	0.87269206	2.411586	-0.05914	1.186012	0.19				0.18
24	257.98	275.05	17.07	1700	1600	5.86	0.18	63	275.05	0.92558249	2.439412	-0.03358	1.167506	0.18				0.18

**Mountaire Farms of Delaware  
Infiltrometer Test DR-34**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-34**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-34  
 Test Location: TP-34  
 W.O.: 4940d Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Date: 10/17/19 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series:  
 Test Depth: 58 Inches Water Temp. (F): 62.50

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-34  
 W.O.: 4940d Test Location: TP-34  
 Date: 10/17/2019  
 Test K V = 1.176722  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	275.05	Rate	0.32
															m-1	-0.38817	R^2	0.958529
															m	0.611826		
															b	0.077863		
															bm	0.04764		
1	0.00	28.81	28.81	50	49	0.03	1.33	64	28.81	0.658695255	1.459543	-0.18132	1.149288	1.30				0.78
2	28.81	72.31	43.5	49	48.5	0.01	0.44	64	72.31	0.988042883	1.859198	-0.00522	1.149288	0.43				0.54
3	72.31	110.57	38.26	48.5	48	0.01	0.50	62	110.57	1.31739051	2.043637	0.119715	1.186012	0.50				0.46
4	110.57	186.60	76.03	48	47.5	0.01	0.25	62	186.6	1.646738138	2.270912	0.216625	1.186012	0.25				0.38
5	186.60	211.41	24.81	47.5	46.5	0.04	1.54	61	211.41	2.305433393	2.325126	0.362753	1.204811	1.58				0.36
6	211.41	275.05	63.64	46.5	46	0.01	0.30	62	275.05	2.63478102	2.439412	0.420745	1.186012	0.30				0.32

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/17/19  
 Soil Series:  
 Test Depth: 30 Inches

Test Designation: DR-35  
 Test Location: TP-35  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 66.00

**Double Ring Infiltrometer  
Test Results**

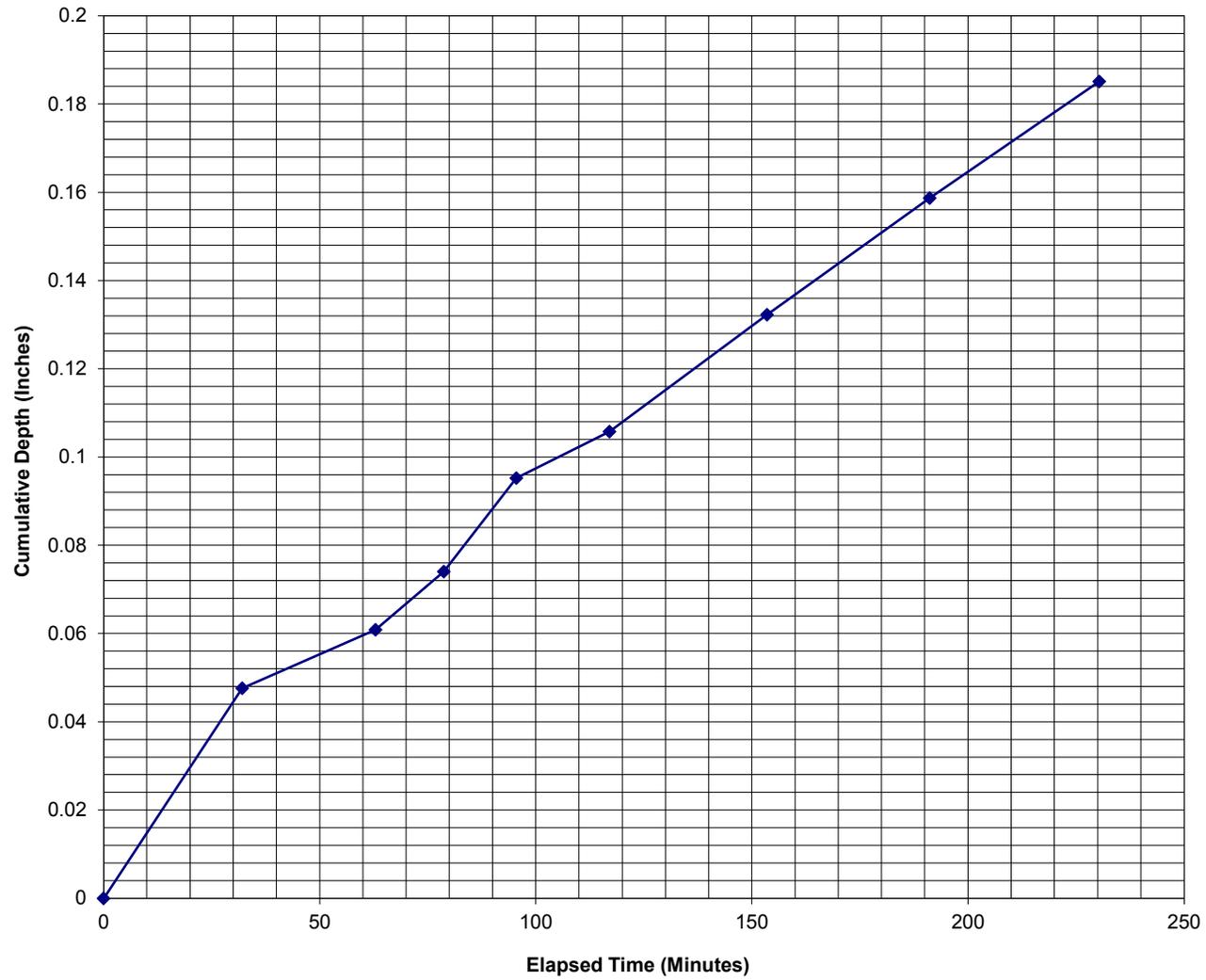
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/17/2019

Test Designation: DR-35  
 Test Location: TP-35

Test K V = 1.113702  
 K V @ 60 = 1.217

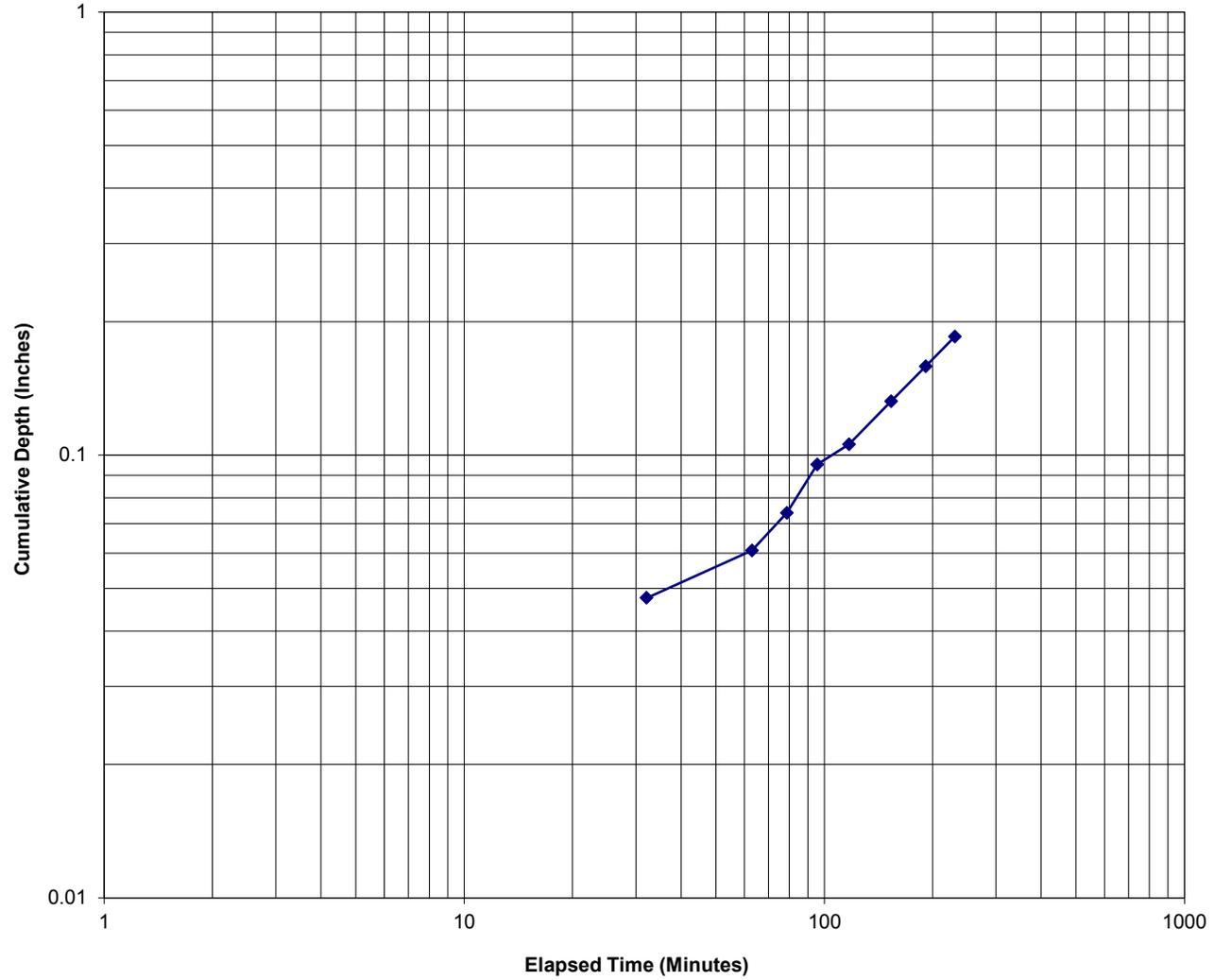
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	230.36	Rate	0.03	
															m-1	-0.27453	R^2	0.973293	
															b	0.725469			
															bm	0.003406			
																	0.00247		
1	0.00	32.09	32.09	1000	910	2.80	0.08	66	0	0.04760139	1.50637	-1.32238	1.113702	0.08				0.06	
2	32.09	62.92	30.83	910	885	0.81	0.02	66	62.92	0.06082399	1.798789	-1.21593	1.113702	0.02				0.05	
3	62.92	78.72	15.8	885	860	1.58	0.05	66	78.72	0.0740466	1.896085	-1.13049	1.113702	0.05				0.04	
4	78.72	95.52	16.8	860	820	2.38	0.07	66	95.52	0.09520277	1.980094	-1.02135	1.113702	0.07				0.04	
5	95.52	117.07	21.55	820	800	0.93	0.03	66	117.07	0.10578086	2.068446	-0.97559	1.113702	0.03				0.04	
6	117.07	153.48	36.41	800	750	1.37	0.04	66	153.48	0.13222607	2.186052	-0.87868	1.113702	0.04				0.04	
7	153.48	191.12	37.64	750	700	1.33	0.04	66	191.12	0.15867128	2.281306	-0.7995	1.113702	0.04				0.04	
8	191.12	230.36	39.24	700	650	1.27	0.04	66	230.36	0.1851165	2.362407	-0.73255	1.113702	0.04				0.03	

**Mountaire Farms of Delaware  
Infiltrometer Test DR-35**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-35**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-35	Project:	Mountaire Farms	Test Designation:	DR-35
W.O.:	4940d	Test Location:	TP-35	W.O.:	4940d	Test Location:	TP-35
Date:	10/17/19	Inner Ring Dia. (ft):	1.01	Date:	10/17/2019		
		Outer Ring Dia. (ft):	2.03				
Soil Series:		Inner Ring Area (sqin):	115.37	Test K V =	1.113702		
Test Depth:	30 Inches	Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
		Water Temp. (F):	66.00				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	230.36	Rate	#DIV/0!
															m-1	#DIV/0!		#DIV/0!
															b	#DIV/0!	R^2	#DIV/0!
															bm	#DIV/0!		#DIV/0!
1	0.00	230.36	230.36	50	49.9	0.00	0.02	66	0	0	2.362407	-1.18132	1.113702	0.02				#DIV/0!

**Double Ring Infiltrometer  
Test Results**

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/18/19  
 Soil Series:  
 Test Depth: 44 Inches

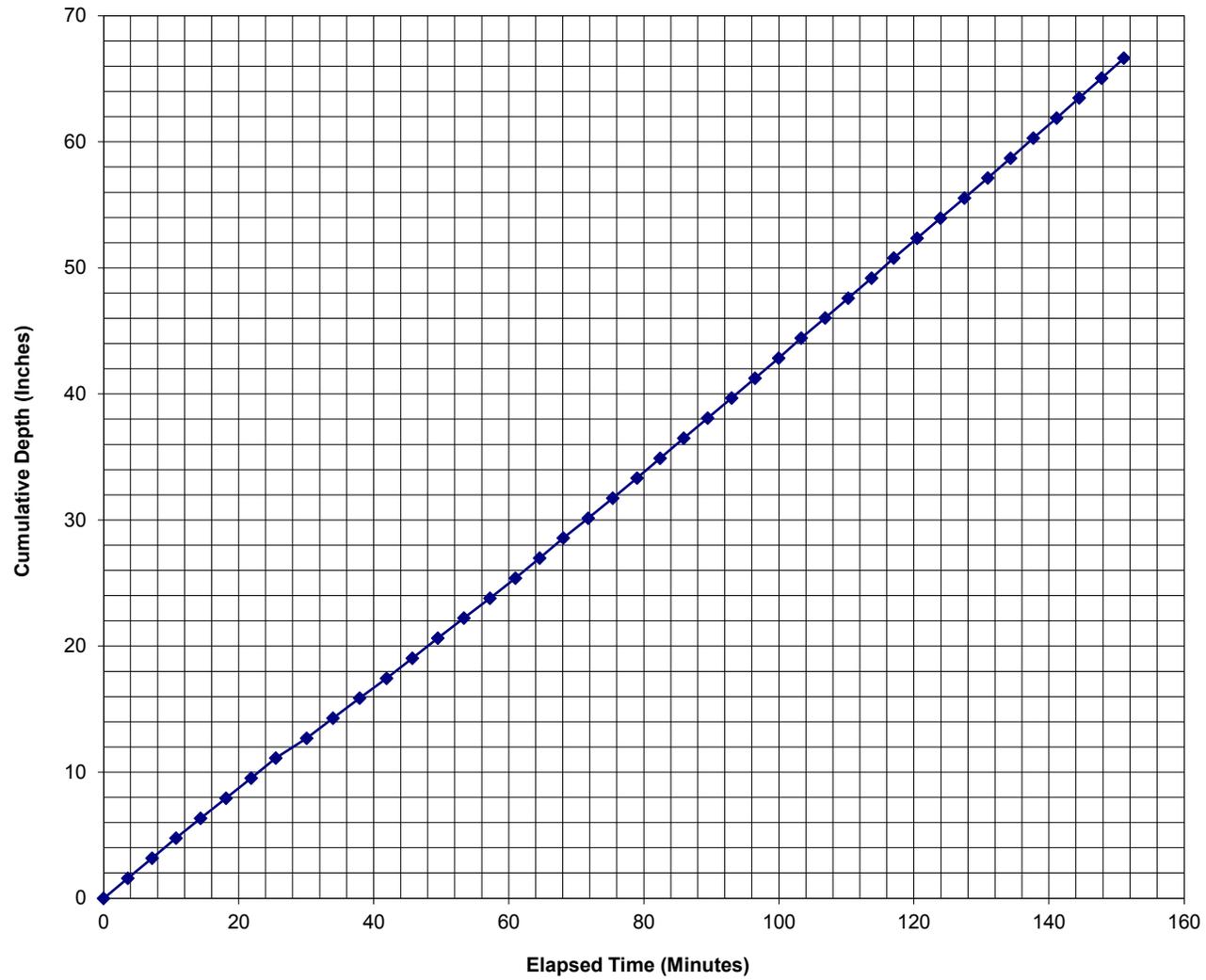
Test Designation: DR-36  
 Test Location: TP-36  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 53.29

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/18/2019

Test Designation: DR-36  
 Test Location: TP-36  
 Test K V = 1.360215  
 K V @ 60 = 1.217

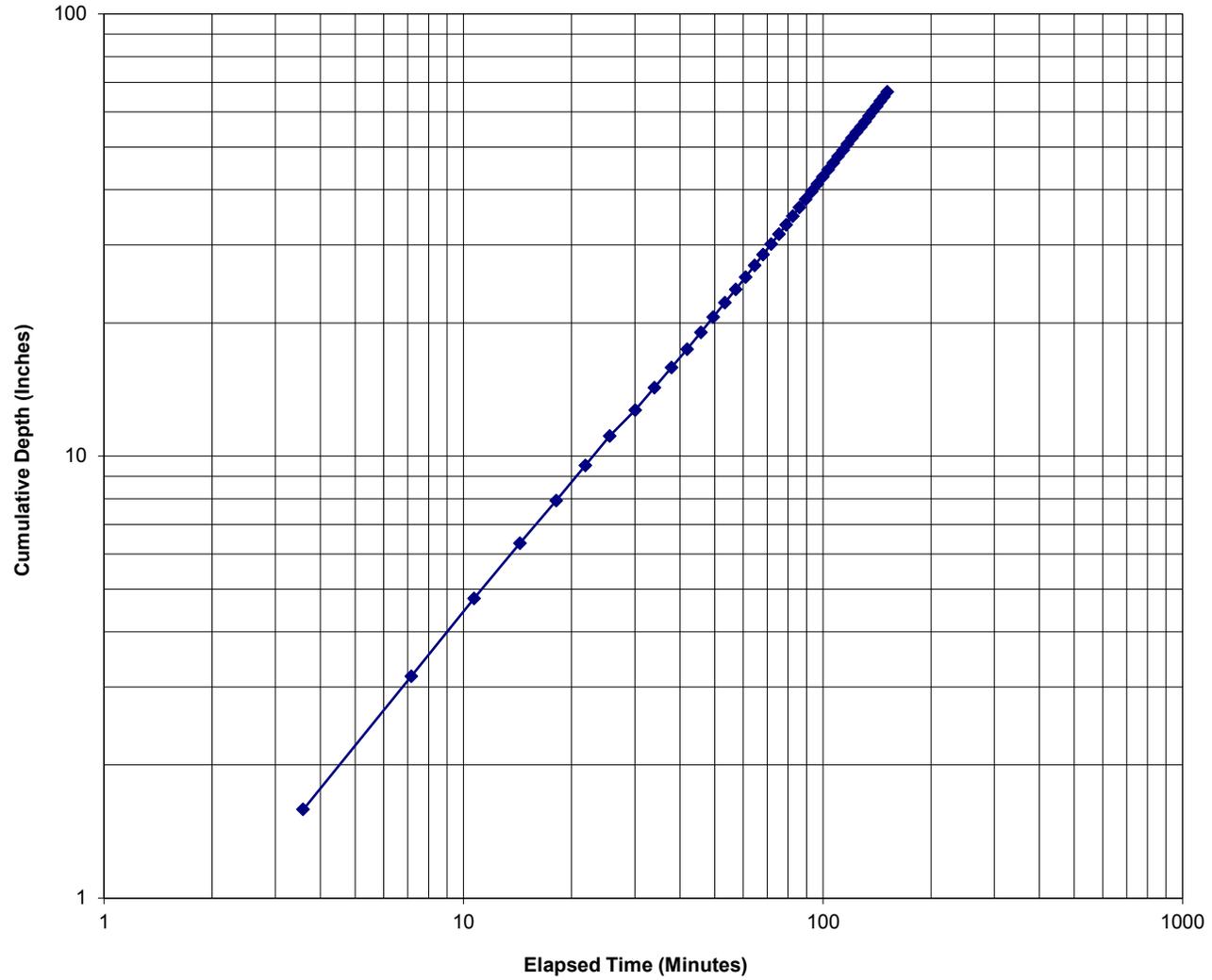
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	151.08	Rate	25.60
1	0.00	3.58	3.58	3700	700	837.99	29.72	49	3.58	1.58671284	0.553883	0.200498	1.455054	31.79				25.91
2	4.40	7.98	3.58	3700	700	837.99	29.72	49	7.16	3.17342569	0.854913	0.501528	1.455054	31.79				25.85
3	9.13	12.68	3.55	3700	700	845.07	29.97	49	10.71	4.76013853	1.029789	0.67762	1.455054	32.06				25.82
4	13.89	17.55	3.66	3700	700	819.67	29.07	49	14.37	6.34685137	1.157457	0.802558	1.455054	31.10				25.79
5	18.79	22.54	3.75	3700	700	800.00	28.37	49	18.12	7.93356422	1.258158	0.899468	1.455054	30.35				25.77
6	24.09	27.82	3.73	3700	700	804.29	28.53	49	21.85	9.52027706	1.339451	0.97865	1.455054	30.52				25.76
7	29.15	32.82	3.67	3700	700	817.44	28.99	49	25.52	11.1069899	1.406881	1.045596	1.455054	31.02				25.74
8	34.14	38.67	4.53	3700	700	662.25	23.49	49	30.05	12.6937027	1.477844	1.103588	1.455054	25.13				25.73
9	40.35	44.27	3.92	3700	700	765.31	27.14	49	33.97	14.2804156	1.531096	1.154741	1.455054	29.04				25.72
10	45.61	49.54	3.93	3700	700	763.36	27.08	49	37.9	15.8671284	1.578639	1.200498	1.455054	28.96				25.71
11	50.69	54.70	4.01	3700	700	748.13	26.54	49	41.91	17.4538413	1.622318	1.241891	1.455054	28.39				25.70
12	55.72	59.55	3.83	3700	700	783.29	27.78	49	45.74	19.0405541	1.660296	1.27968	1.455054	29.72				25.70
13	60.61	64.38	3.77	3700	700	795.76	28.22	49	49.51	20.627267	1.694693	1.314442	1.455054	30.19				25.69
14	65.26	69.10	3.84	3700	700	781.25	27.71	49	53.35	22.2139798	1.727134	1.346626	1.455054	29.64				25.68
15	70.20	74.05	3.85	3700	700	779.22	27.64	49	57.2	23.8006926	1.757396	1.37659	1.455054	29.56				25.68
16	75.02	78.82	3.8	3700	700	789.47	28.00	49	61	25.3874055	1.78533	1.404618	1.455054	29.95				25.67
17	79.93	83.50	3.57	3700	700	840.34	29.81	49	64.57	26.9741183	1.810031	1.430947	1.455054	31.88				25.67
18	84.40	87.91	3.51	3700	700	854.70	30.32	49	68.08	28.5608312	1.83302	1.455771	1.455054	32.43				25.66
19	88.80	92.49	3.69	3700	700	813.01	28.84	49	71.77	30.147544	1.855943	1.479252	1.455054	30.85				25.66
20	93.52	97.15	3.63	3700	700	826.45	29.31	49	75.4	31.7342569	1.877371	1.501528	1.455054	31.36				25.65
21	98.15	101.75	3.6	3700	700	833.33	29.56	49	79	33.3209697	1.897627	1.522718	1.455054	31.62				25.65
22	102.75	106.17	3.42	3700	700	877.19	31.11	49	82.42	34.9076825	1.916033	1.542921	1.455054	33.28				25.65
23	107.13	110.62	3.49	3700	700	859.60	30.49	49	85.91	36.4943954	1.934044	1.562226	1.455054	32.61				25.64
24	111.62	115.18	3.56	3700	700	842.70	29.89	49	89.47	38.0811082	1.951677	1.58071	1.455054	31.97				25.64
25	116.09	119.64	3.55	3700	700	845.07	29.97	54	93.02	39.6678211	1.968576	1.598438	1.345021	29.64				25.64
26	120.69	124.15	3.46	3700	700	867.05	30.75	54	96.48	41.2545339	1.984437	1.615472	1.345021	30.41				25.63
27	125.44	128.92	3.48	3700	700	862.07	30.58	54	99.96	42.8412468	1.999826	1.631862	1.345021	30.23				25.63
28	129.95	133.30	3.35	3700	700	895.52	31.76	60	103.31	44.4279596	2.014142	1.647656	1.223909	28.58				25.63
29	134.24	137.77	3.53	3700	700	849.86	30.14	60	106.84	46.0146724	2.028734	1.662896	1.223909	27.12				25.63
30	138.73	142.17	3.44	3700	700	872.09	30.93	60	110.28	47.6013853	2.042497	1.67762	1.223909	27.83				25.62
31	143.53	146.98	3.45	3700	700	869.57	30.84	60	113.73	49.1880981	2.055875	1.69186	1.223909	27.75				25.62
32	148.08	151.38	3.3	3700	700	909.09	32.24	60	117.03	50.774811	2.068297	1.705648	1.223909	29.01				25.62
33	152.40	155.82	3.42	3700	700	877.19	31.11	60	120.45	52.3615238	2.080807	1.719012	1.223909	28.00				25.62
34	156.84	160.33	3.49	3700	700	859.60	30.49	60	123.94	53.9482367	2.093211	1.731977	1.223909	27.43				25.61
35	161.36	164.91	3.55	3700	700	845.07	29.97	60	127.49	55.5349495	2.105476	1.744566	1.223909	26.97				25.61
36	165.99	169.42	3.43	3700	700	874.64	31.02	60	130.92	57.1216624	2.117006	1.756801	1.223909	27.91				25.61
37	170.53	173.92	3.39	3700	700	884.96	31.39	60	134.31	58.7083752	2.128108	1.7687	1.223909	28.24				25.61
38	174.89	178.27	3.38	3700	700	887.57	31.48	60	137.69	60.295088	2.138902	1.780282	1.223909	28.33				25.60
39	179.14	182.59	3.45	3700	700	869.57	30.84	60	141.14	61.8818009	2.14965	1.791563	1.223909	27.75				25.60
40	183.63	186.96	3.33	3700	700	900.90	31.95	60	144.47	63.4685137	2.159778	1.802558	1.223909	28.75				25.60
41	188.18	191.49	3.31	3700	700	906.34	32.15	60	147.78	65.0552266	2.169616	1.813282	1.223909	28.93				25.60
42	192.52	195.82	3.3	3700	700	909.09	32.24	60	151.08	66.6419394	2.179207	1.823748	1.223909	29.01				25.60

**Mountaire Farms of Delaware  
Infiltrometer Test DR-36**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-36**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-36	Project:	Mountaire Farms	Test Designation:	DR-36
W.O.:	4940d	Test Location:	TP-36	W.O.:	4940d	Test Location:	TP-36
Date:	10/18/19	Inner Ring Dia. (ft):	1.01	Date:	10/18/19		
		Outer Ring Dia. (ft):	2.03				
Soil Series:		Inner Ring Area (sqin):	115.37	Test K V =	1.370645		
Test Depth:	44 Inches	Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
		Water Temp. (F):	52.80				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	168.27	Rate	67.66
															m-1	0.094433	R^2	0.993642
															b	0.635027		
															bm	0.69499		
1	0.00	27.82	27.82	42.5	10	1.17	52.00	49	27.82	21.40759579	1.444357	1.330568	1.455054	55.20				57.09
2	32.82	38.67	5.85	50	33	2.91	129.35	49	33.67	32.60541513	1.527243	1.51329	1.455054	137.31				58.12
3	40.35	60.61	20.26	50	22.5	1.36	60.42	49	53.93	50.71953464	1.73183	1.705175	1.455054	64.14				60.77
4	64.38	78.82	14.44	50	25	1.73	77.06	49	68.37	67.18691602	1.834866	1.827285	1.455054	81.81				62.14
5	78.82	84.40	5.58	25	17.5	1.34	59.83	49	73.95	72.12713043	1.868938	1.858099	1.455054	63.51				62.61
6	87.91	107.13	19.22	50	20	1.56	69.48	49	93.17	91.88798809	1.969276	1.963259	1.455054	73.76				63.99
7	110.62	129.95	19.33	50	20	1.55	69.08	54	112.5	111.6488457	2.051153	2.047854	1.345021	67.79				65.14
8	133.30	152.40	19.1	50	20	1.57	69.91	60	131.6	131.4097034	2.119256	2.118627	1.223909	62.43				66.11
9	155.82	183.63	27.81	50	7.5	1.53	68.02	60	159.41	159.4042517	2.202516	2.2025	1.223909	60.74				67.32
10	186.96	195.82	8.86	20	5	1.69	75.36	60	168.27	169.2846806	2.226007	2.228618	1.223909	67.29				67.66

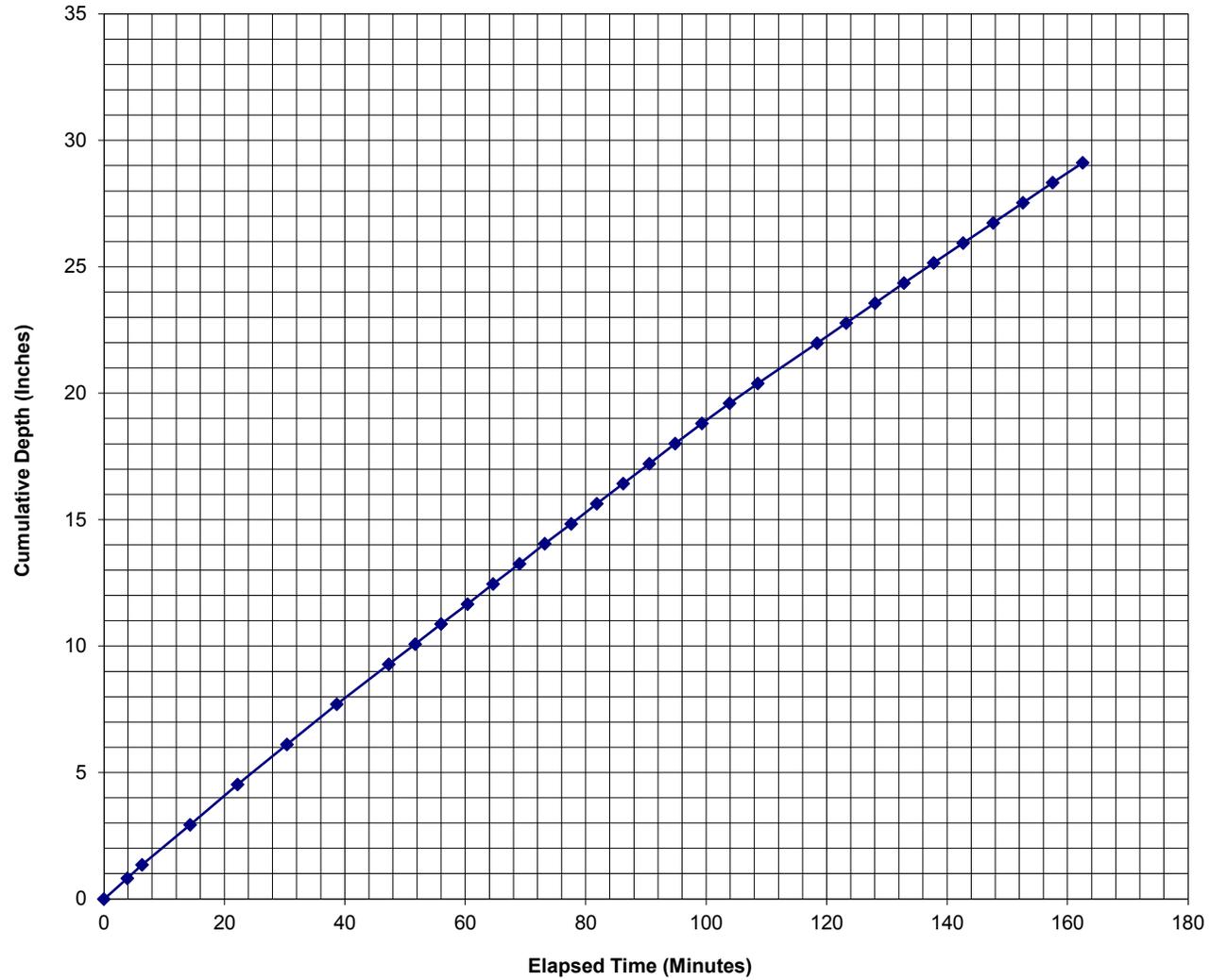
**Double Ring Infiltrometer  
Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-37	Project:	Mountaire Farms	Test Designation:	DR-37
W.O.:	4940d	Test Location:	TP-37	W.O.:	4940d	Test Location:	TP-37
Date:	10/18/19	Inner Ring Dia. (ft):	1.01	Date:	10/18/2019		
		Outer Ring Dia. (ft):	2.03				
Soil Series:		Inner Ring Area (sqin):	115.37	Test K V =	1.347753		
Test Depth:	47 Inches	Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
		Water Temp. (F):	53.87				

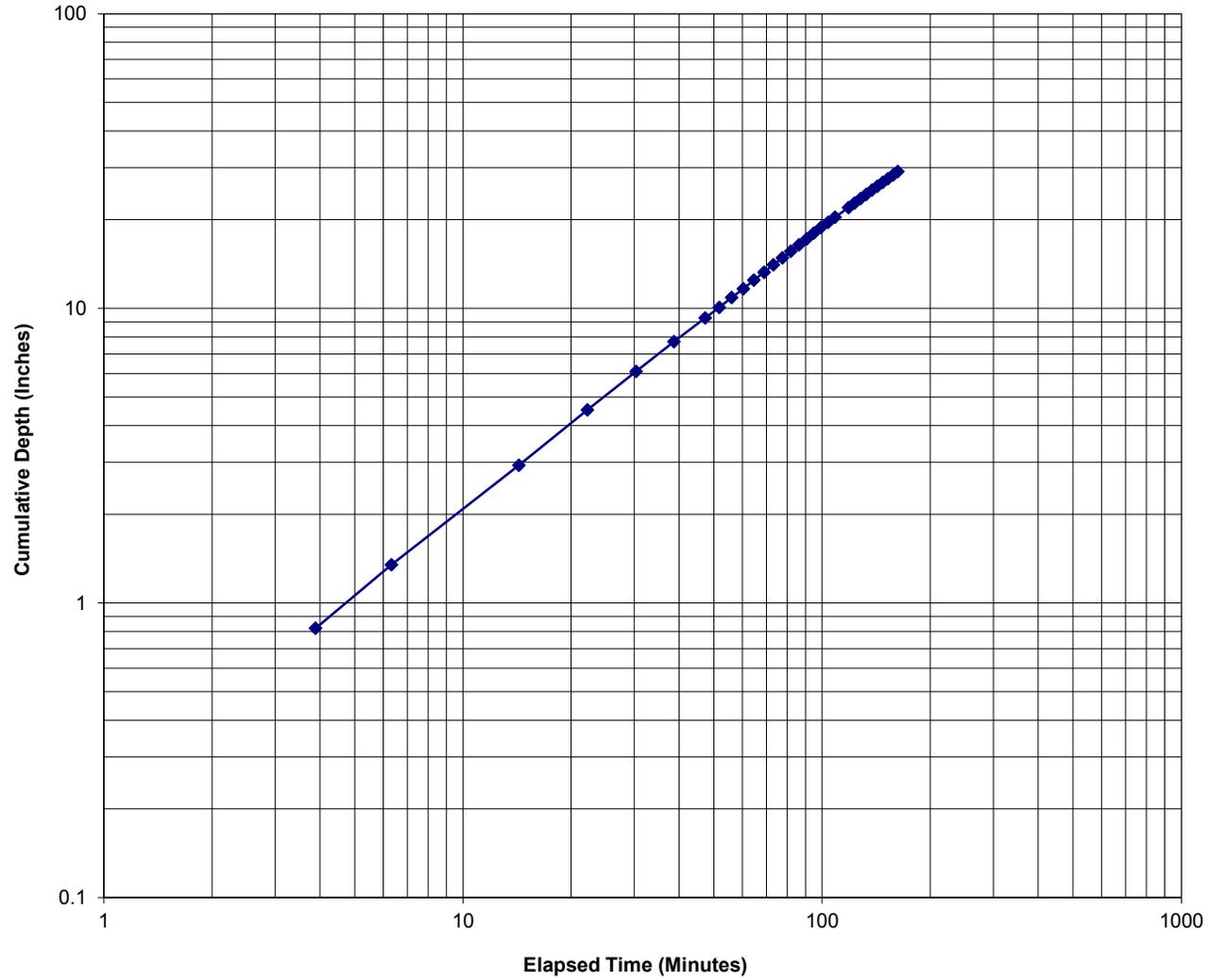
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
			0			0			0	0					m-1	162.52
															m	10.46
															b	-0.04785
															bm	0.99979
																0.233638
																0.22246
1	0.00	3.88	3.88	3550	2000	399.48	14.04	52	3.88	0.81980164	0.588832	-0.08629	1.387999	14.46		12.51
2	3.88	6.32	2.44	2000	1000	409.84	14.40	52	6.32	1.34870592	0.800717	0.129917	1.387999	14.83		12.22
3	8.58	16.57	7.99	3750	750	375.47	13.20	52	14.31	2.93541876	1.15564	0.46767	1.387999	13.59		11.75
4	17.46	25.36	7.9	3750	750	379.75	13.35	52	22.21	4.5221316	1.346549	0.655343	1.387999	13.74		11.51
5	26.50	34.65	8.15	3750	750	368.10	12.94	52	30.36	6.10884445	1.482302	0.785959	1.387999	13.32		11.34
6	36.23	44.53	8.3	3750	750	361.45	12.70	52	38.66	7.69555729	1.587262	0.88624	1.387999	13.08		11.21
7	46.88	55.50	8.62	3750	750	348.03	12.23	52	47.28	9.28227013	1.674677	0.967654	1.387999	12.60		11.10
8	57.42	61.84	4.42	3750	2250	339.37	11.93	52	51.7	10.0756266	1.713491	1.003272	1.387999	12.28		11.05
9	61.84	66.12	4.28	2250	750	350.47	12.32	52	55.98	10.868983	1.748033	1.036189	1.387999	12.68		11.01
10	67.78	72.15	4.37	3750	2250	343.25	12.06	53	60.35	11.6623394	1.780677	1.066786	1.366341	12.23		10.97
11	72.15	76.43	4.28	2250	750	350.47	12.32	53	64.63	12.4556958	1.810434	1.095368	1.366341	12.49		10.93
12	78.25	82.63	4.38	3750	2250	342.47	12.04	53	69.01	13.2490522	1.838912	1.122185	1.366341	12.20		10.90
13	82.63	86.84	4.21	2250	750	356.29	12.52	53	73.22	14.0424087	1.86463	1.147442	1.366341	12.69		10.87
14	88.60	92.95	4.35	3750	2250	344.83	12.12	53	77.57	14.8357651	1.889694	1.17131	1.366341	12.29		10.84
15	92.95	97.21	4.26	2250	750	352.11	12.37	53	81.83	15.6291215	1.912913	1.193935	1.366341	12.55		10.81
16	98.75	103.15	4.4	3750	2250	340.91	11.98	53	86.23	16.4224779	1.935658	1.215439	1.366341	12.15		10.78
17	103.15	107.48	4.33	2250	750	346.42	12.17	53	90.56	17.2158343	1.956936	1.235928	1.366341	12.34		10.76
18	108.64	112.92	4.28	3750	2250	350.47	12.32	53	94.84	18.0091908	1.976992	1.255494	1.366341	12.49		10.74
19	112.92	117.38	4.46	2250	750	336.32	11.82	53	99.3	18.8025472	1.996949	1.274217	1.366341	11.98		10.71
20	120.79	125.36	4.57	3750	2250	328.23	11.54	54	103.87	19.5959036	2.01649	1.292165	1.345021	11.51		10.69
21	125.36	130.09	4.73	2250	750	317.12	11.14	54	108.6	20.38926	2.03583	1.309401	1.345021	11.12		10.67
22	131.70	141.50	9.8	3750	750	306.12	10.76	54	118.4	21.9759729	2.073352	1.341948	1.345021	10.74		10.62
23	142.75	147.58	4.83	3750	2250	310.56	10.91	56	123.23	22.7693293	2.090716	1.35735	1.303374	10.55		10.60
24	147.58	152.38	4.8	2250	750	312.50	10.98	56	128.03	23.5626857	2.107312	1.372225	1.303374	10.62		10.58
25	153.98	158.80	4.82	3750	2250	311.20	10.94	56	132.85	24.3560421	2.123362	1.386607	1.303374	10.58		10.56
26	158.80	163.73	4.93	2250	750	304.26	10.69	56	137.78	25.1493986	2.139186	1.400528	1.303374	10.34		10.55
27	165.36	170.25	4.89	3750	2250	306.75	10.78	56	142.67	25.942755	2.154333	1.414016	1.303374	10.43		10.53
28	170.25	175.24	4.99	2250	750	300.60	10.56	57	147.66	26.7361114	2.169263	1.427098	1.283036	10.06		10.51
29	176.83	181.76	4.93	3750	2250	304.26	10.69	57	152.59	27.5294678	2.183526	1.439798	1.283036	10.18		10.49
30	181.76	186.71	4.95	2250	750	303.03	10.65	58	157.54	28.3228242	2.197391	1.452137	1.263016	9.98		10.48
31	188.49	193.47	4.98	3750	2250	301.20	10.59	58	162.52	29.1161807	2.210907	1.464134	1.263016	9.92		10.46

**Mountaire Farms of Delaware  
Infiltrometer Test DR-37**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-37**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-37	Project:	Mountaire Farms	Test Designation:	DR-37
W.O.:	4940d	Test Location:	TP-37	W.O.:	4940d	Test Location:	TP-37
Date:	10/18/19	Inner Ring Dia. (ft):	1.01	Date:	10/18/2019		
Soil Series:		Outer Ring Dia. (ft):	2.03	Test K V =	1.34118		
Test Depth:	47 Inches	Inner Ring Area (sqin):	115.37	K V @ 60 =	1.217		
		Outer Ring Area (sqin):	350.69				
		Water Temp. (F):	54.18				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	183.27	Rate	9.25
															m-1	-0.07949	R^2	0.994623
															m	0.920508		
															b	0.253483		
															bm	0.23333		
1	0.00	25.36	25.36	57	50	0.28	12.02	52	25.36	4.610866786	1.404149	0.663783	1.387999	12.44				10.83
2	25.36	46.88	21.52	50	42.5	0.35	15.18	52	46.88	9.551081199	1.670988	0.980053	1.387999	15.71				10.31
3	46.88	67.78	20.9	42.5	38	0.22	9.38	52	67.78	12.51520985	1.831102	1.097438	1.387999	9.71				10.01
4	67.78	78.25	10.47	38	35	0.29	12.48	53	78.25	14.49129561	1.893484	1.161107	1.366341	12.71				9.90
5	78.25	92.95	14.7	35	32.5	0.17	7.41	53	92.95	16.13803375	1.968249	1.207851	1.366341	7.55				9.76
6	103.15	120.79	17.64	40	35	0.28	12.35	53	110.59	19.43151003	2.043716	1.288507	1.366341	12.58				9.63
7	120.79	131.70	10.91	35	32.5	0.23	9.98	54	121.5	21.07824816	2.084576	1.323835	1.345021	10.01				9.56
8	131.70	152.38	20.68	32.5	28	0.22	9.48	56	142.18	24.04237681	2.152839	1.380977	1.303374	9.21				9.44
9	152.38	170.25	17.87	28	25	0.17	7.31	56	160.05	26.01846258	2.204256	1.415282	1.303374	7.11				9.35
10	170.25	186.71	16.46	25	20	0.30	13.23	57	176.51	29.31193885	2.246769	1.467045	1.283036	12.66				9.28
11	186.71	193.47	6.76	20	17.5	0.37	16.11	58	183.27	30.95867699	2.263091	1.490782	1.263016	15.17				9.25

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/18/19  
 Soil Series:  
 Test Depth: 54 Inches

Test Designation: DR-38  
 Test Location: TP-38  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 64.00

**Double Ring Infiltrometer  
Test Results**

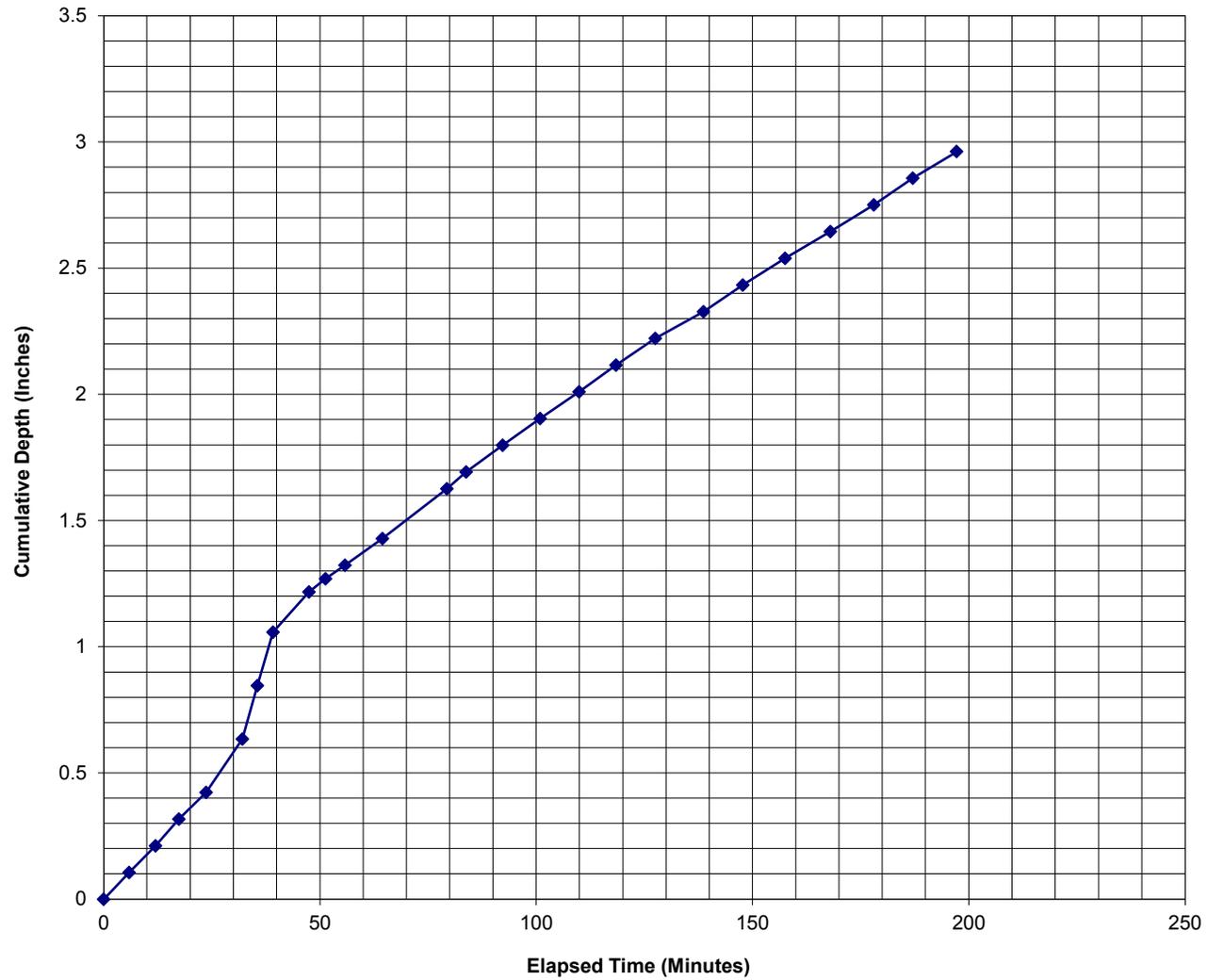
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/18/2019

Test Designation: DR-38  
 Test Location: TP-38

Test K V = 1.149288  
 K V @ 60 = 1.217

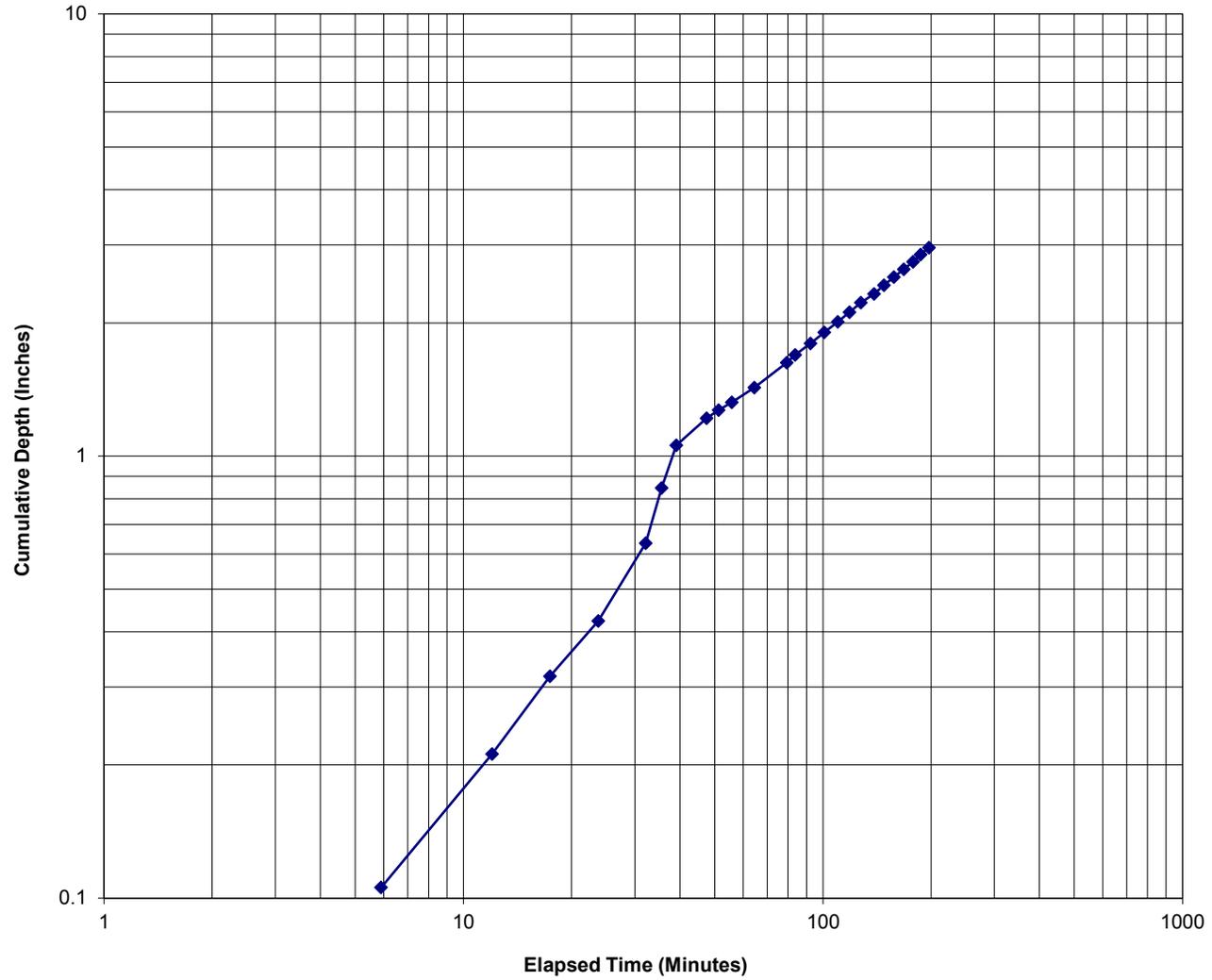
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	197.2	Rate	0.98
															m-1	-0.07172	R^2	0.967875
															m	0.928285		
															b	0.025689		
															bm	0.02385		
1	0.00	5.90	5.9	1000	800	33.90	1.02	64	5.9	0.10578086	0.770852	-0.97559	1.149288	1.02				1.26
2	5.90	12.01	6.11	800	600	32.73	0.98	64	12.01	0.21156171	1.079543	-0.67456	1.149288	0.98				1.20
3	12.01	17.39	5.38	600	400	37.17	1.11	64	17.39	0.31734257	1.2403	-0.49847	1.149288	1.11				1.17
4	17.39	23.70	6.31	400	200	31.70	0.95	64	23.7	0.42312342	1.374748	-0.37353	1.149288	0.95				1.14
5	25.78	34.19	8.41	1000	600	47.56	1.43	64	32.11	0.63468514	1.50664	-0.19744	1.149288	1.43				1.12
6	34.19	37.64	3.45	600	200	115.94	3.47	64	35.56	0.84624685	1.550962	-0.0725	1.149288	3.47				1.11
7	40.07	43.64	3.57	1000	600	112.04	3.36	64	39.13	1.05780856	1.59251	0.024407	1.149288	3.36				1.10
8	43.64	52.01	8.37	600	300	35.84	1.07	64	47.5	1.21647985	1.676694	0.085105	1.149288	1.07				1.08
9	52.01	55.78	3.77	300	200	26.53	0.79	64	51.27	1.26937027	1.709863	0.103588	1.149288	0.79				1.08
10	61.96	66.49	4.53	1000	900	22.08	0.66	64	55.8	1.3222607	1.746634	0.121317	1.149288	0.66				1.07
11	66.49	75.15	8.66	900	700	23.09	0.69	64	64.46	1.42804156	1.80929	0.154741	1.149288	0.69				1.06
12	75.15	90.03	14.88	700	325	25.20	0.76	64	79.34	1.62638066	1.899492	0.211222	1.149288	0.76				1.05
13	90.03	94.46	4.43	325	200	28.22	0.85	64	83.77	1.6924937	1.923089	0.228527	1.149288	0.85				1.04
14	95.04	103.50	8.46	1000	800	23.64	0.71	64	92.23	1.79827456	1.964872	0.254856	1.149288	0.71				1.03
15	103.50	112.20	8.7	800	600	22.99	0.69	64	100.93	1.90405541	2.00402	0.27968	1.149288	0.69				1.03
16	112.20	121.15	8.95	600	400	22.35	0.67	64	109.88	2.00983627	2.040919	0.303161	1.149288	0.67				1.02
17	121.15	129.71	8.56	400	200	23.36	0.70	64	118.44	2.11561712	2.073498	0.325437	1.149288	0.70				1.02
18	130.54	139.65	9.11	1000	800	21.95	0.66	64	127.55	2.22139798	2.10568	0.346626	1.149288	0.66				1.01
19	139.65	150.76	11.11	800	600	18.00	0.54	64	138.66	2.32717884	2.141951	0.36683	1.149288	0.54				1.00
20	150.76	159.83	9.07	600	400	22.05	0.66	64	147.73	2.43295969	2.169469	0.386135	1.149288	0.66				1.00
21	159.83	169.63	9.8	400	200	20.41	0.61	64	157.53	2.53874055	2.197363	0.404618	1.149288	0.61				1.00
22	170.46	180.91	10.45	1000	800	19.14	0.57	64	167.98	2.64452141	2.225258	0.422347	1.149288	0.57				0.99
23	180.91	190.99	10.08	800	600	19.84	0.59	64	178.06	2.75030226	2.250566	0.43938	1.149288	0.59				0.99
24	190.99	199.98	8.99	600	400	22.25	0.67	64	187.05	2.85608312	2.271958	0.455771	1.149288	0.67				0.98
25	199.98	210.13	10.15	400	200	19.70	0.59	64	197.2	2.96186397	2.294907	0.471565	1.149288	0.59				0.98

**Mountaire Farms of Delaware  
Infiltrometer Test DR-38**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-38**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-38	Project:	Mountaire Farms	Test Designation:	DR-38
		Test Location:	TP-38	W.O.:	4940d	Test Location:	TP-38
W.O.:	4940d	Inner Ring Dia. (ft):	1.01	Date:	10/18/2019		
		Outer Ring Dia. (ft):	2.03				
Date:	10/18/19	Inner Ring Area (sqin):	115.37	Test K V =	1.149288		
Soil Series:		Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
Test Depth:	54 Inches	Water Temp. (F):	64.00				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
			0			0			0	0					210.13	0.13
															m-1	-0.75658
															b	0.243425
															bm	0.518979
																R^2
																0.95559
1	0.00	43.64	43.64	52	50	0.05	1.71	64	43.64	1.31739051	1.639885	0.119715	1.149288	1.71		0.44
2	43.64	139.65	96.01	50	49.5	0.01	0.19	64	139.65	1.646738138	2.145041	0.216625	1.149288	0.19		0.18
3	139.65	210.13	70.48	49.5	49	0.01	0.26	64	210.13	1.976085765	2.322488	0.295806	1.149288	0.26		0.13

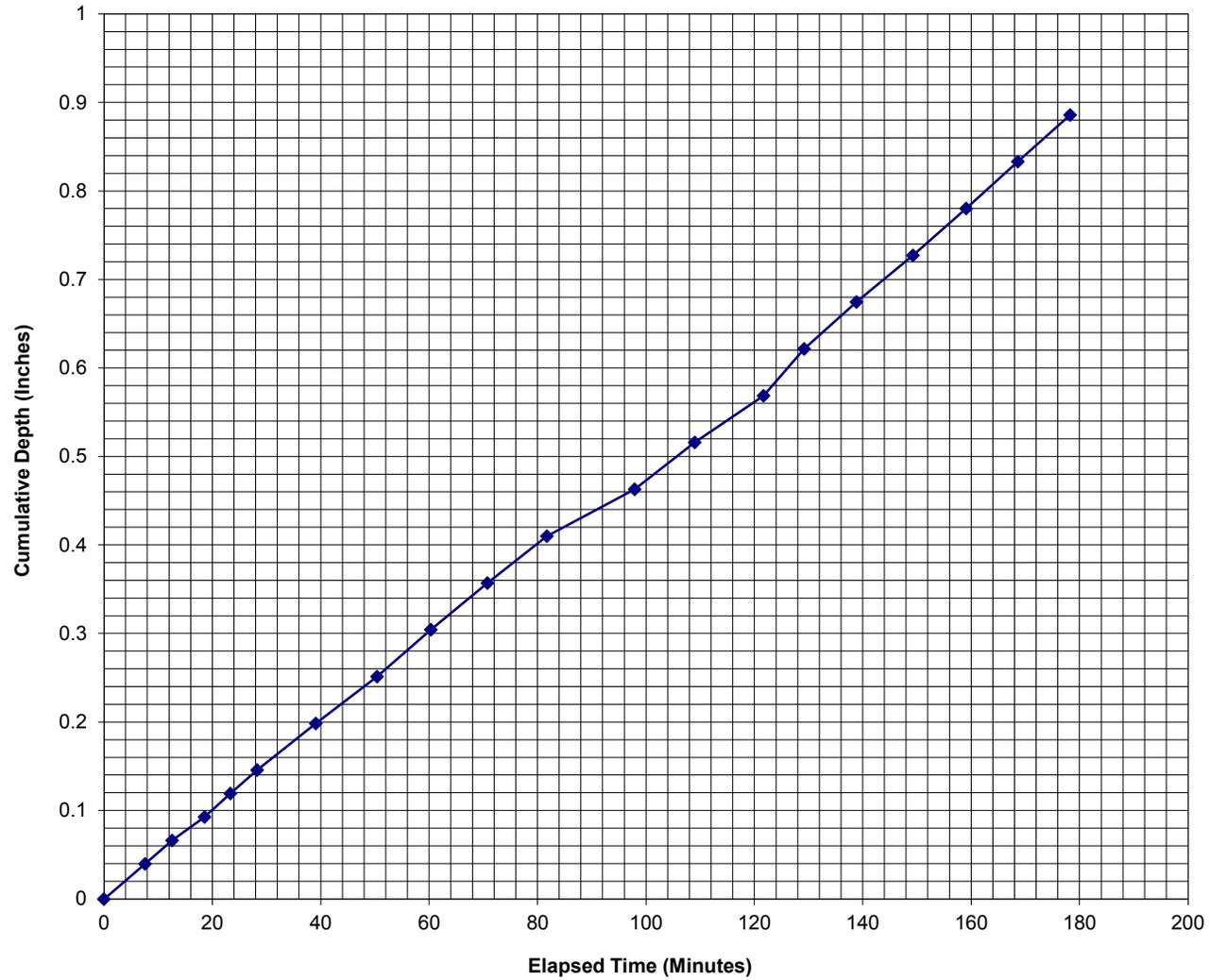
**Double Ring Infiltrometer  
Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-39	Project:	Mountaire Farms	Test Designation:	DR-39
W.O.:	4940d	Test Location:	TP-39	W.O.:	4940d	Test Location:	TP-39
Date:	10/18/19	Inner Ring Dia. (ft):	1.01	Date:	10/18/2019		
Soil Series:		Outer Ring Dia. (ft):	2.03	Test K V =	1.063258		
Test Depth:	48 Inches	Inner Ring Area (sqin):	115.37	K V @ 60 =	1.217		
		Outer Ring Area (sqin):	350.69				
		Water Temp. (F):	68.95				

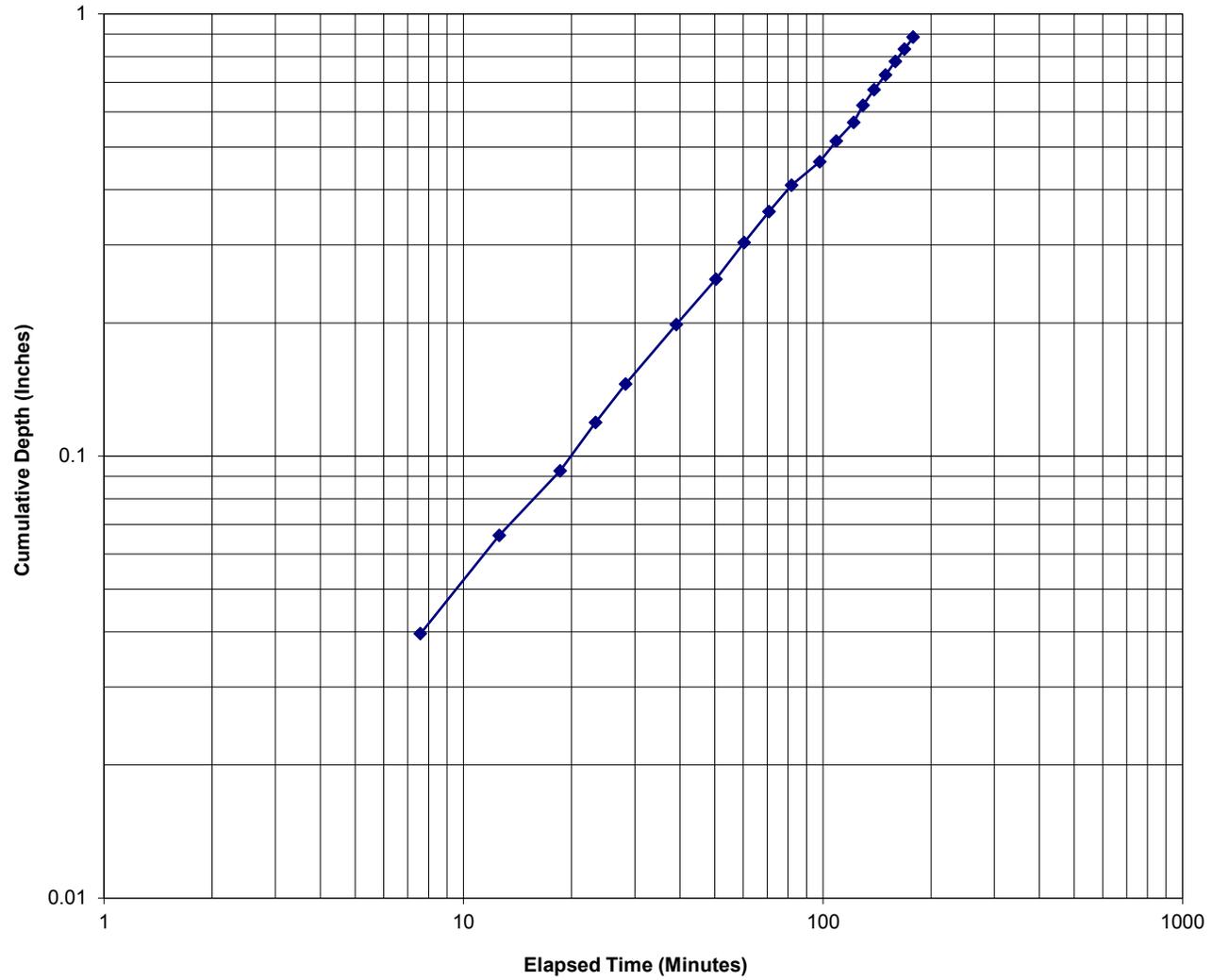
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	178.24	Rate	0.28
															m-1	-0.02634	R^2	0.999465
															m	0.973659		
															b	0.005535		
															bm	0.00539		
1	0.00	7.59	7.59	1400	1325	9.88	0.27	68	7.59	0.03966782	0.880242	-1.40156	1.079218	0.28				0.31
2	7.59	12.57	4.98	1325	1275	10.04	0.28	68	12.57	0.06611304	1.099335	-1.17971	1.079218	0.28				0.30
3	12.57	18.58	6.01	1275	1225	8.32	0.23	68	18.58	0.09255825	1.269046	-1.03358	1.079218	0.23				0.30
4	18.58	23.32	4.74	1225	1175	10.55	0.29	68	23.32	0.11900346	1.367729	-0.92444	1.079218	0.30				0.30
5	23.32	28.26	4.94	1175	1125	10.12	0.28	68	28.26	0.14544868	1.451172	-0.83729	1.079218	0.28				0.30
6	28.26	39.09	10.83	1125	1025	9.23	0.26	68	39.09	0.19833911	1.592066	-0.70259	1.079218	0.26				0.29
7	39.09	50.39	11.3	1025	925	8.85	0.25	68	50.39	0.25122953	1.702344	-0.59993	1.079218	0.25				0.29
8	50.39	60.32	9.93	925	825	10.07	0.28	68	60.32	0.30411996	1.780461	-0.51696	1.079218	0.28				0.29
9	60.32	70.76	10.44	825	725	9.58	0.27	68	70.76	0.35701039	1.849788	-0.44732	1.079218	0.27				0.29
10	70.76	81.73	10.97	725	625	9.12	0.25	69	81.73	0.40990082	1.912381	-0.38732	1.062378	0.25				0.29
11	99.10	115.28	16.18	1350	1250	6.18	0.17	69	97.91	0.46279125	1.990827	-0.33461	1.062378	0.17				0.29
12	115.28	126.36	11.08	1250	1150	9.03	0.25	70	108.99	0.51568167	2.037387	-0.28762	1.045801	0.25				0.29
13	126.36	139.09	12.73	1150	1050	7.86	0.22	70	121.72	0.5685721	2.085362	-0.24521	1.045801	0.21				0.28
14	139.09	146.53	7.44	1050	950	13.44	0.37	70	129.16	0.62146253	2.111128	-0.20659	1.045801	0.37				0.28
15	146.53	156.21	9.68	950	850	10.33	0.29	70	138.84	0.67435296	2.142515	-0.17111	1.045801	0.28				0.28
16	156.21	166.65	10.44	850	750	9.58	0.27	70	149.28	0.72724339	2.174002	-0.13832	1.045801	0.26				0.28
17	166.65	176.44	9.79	750	650	10.21	0.28	70	159.07	0.78013381	2.201588	-0.10783	1.045801	0.28				0.28
18	176.44	185.98	9.54	650	550	10.48	0.29	70	168.61	0.83302424	2.226883	-0.07934	1.045801	0.29				0.28
19	187.67	197.30	9.63	1050	950	10.38	0.29	70	178.24	0.88591467	2.251005	-0.05261	1.045801	0.28				0.28

**Mountaire Farms of Delaware  
Infiltrometer Test DR-39**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-39**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-39  
 Test Location: TP-39  
 W.O.: 4940d Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Date: 10/18/19 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series: Water Temp. (F): 69.00  
 Test Depth: 48 Inches

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-39  
 W.O.: 4940d Test Location: TP-39  
 Date: 10/18/2019  
 Test K V = 1.062378  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	m-1	Rate	R^2
			0			0			0	0					187.67	-0.30958		0.42
															m	0.690418		0.995751
															b	0.051759		
															bm	0.03574		
1	0.00	39.09	39.09	55	54	0.03	0.88	68	39.09	0.658695255	1.592066	-0.18132	1.079218	0.90				0.69
2	39.09	115.28	76.19	54	53	0.01	0.45	69	115.28	1.31739051	2.061754	0.119715	1.062378	0.45				0.49
3	115.28	187.67	72.39	53	52	0.01	0.48	70	187.67	1.976085765	2.273395	0.295806	1.045801	0.47				0.42

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/23/19  
 Soil Series:  
 Test Depth: 60 Inches

Test Designation: DR-40  
 Test Location: TP-40  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 58.08

**Double Ring Infiltrometer  
Test Results**

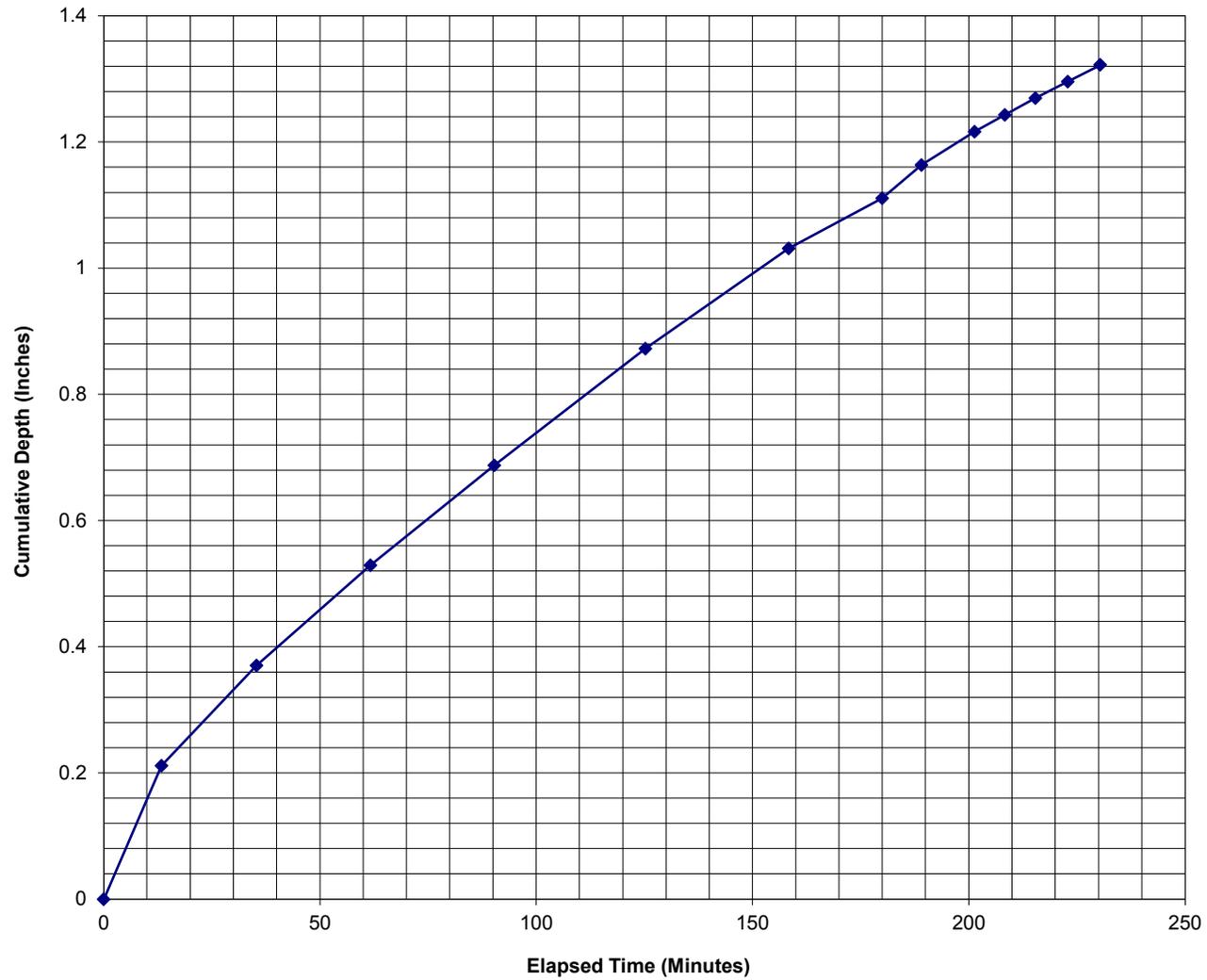
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/23/2019

Test Designation: DR-40  
 Test Location: TP-40

Test K V = 1.261489  
 K V @ 60 = 1.217

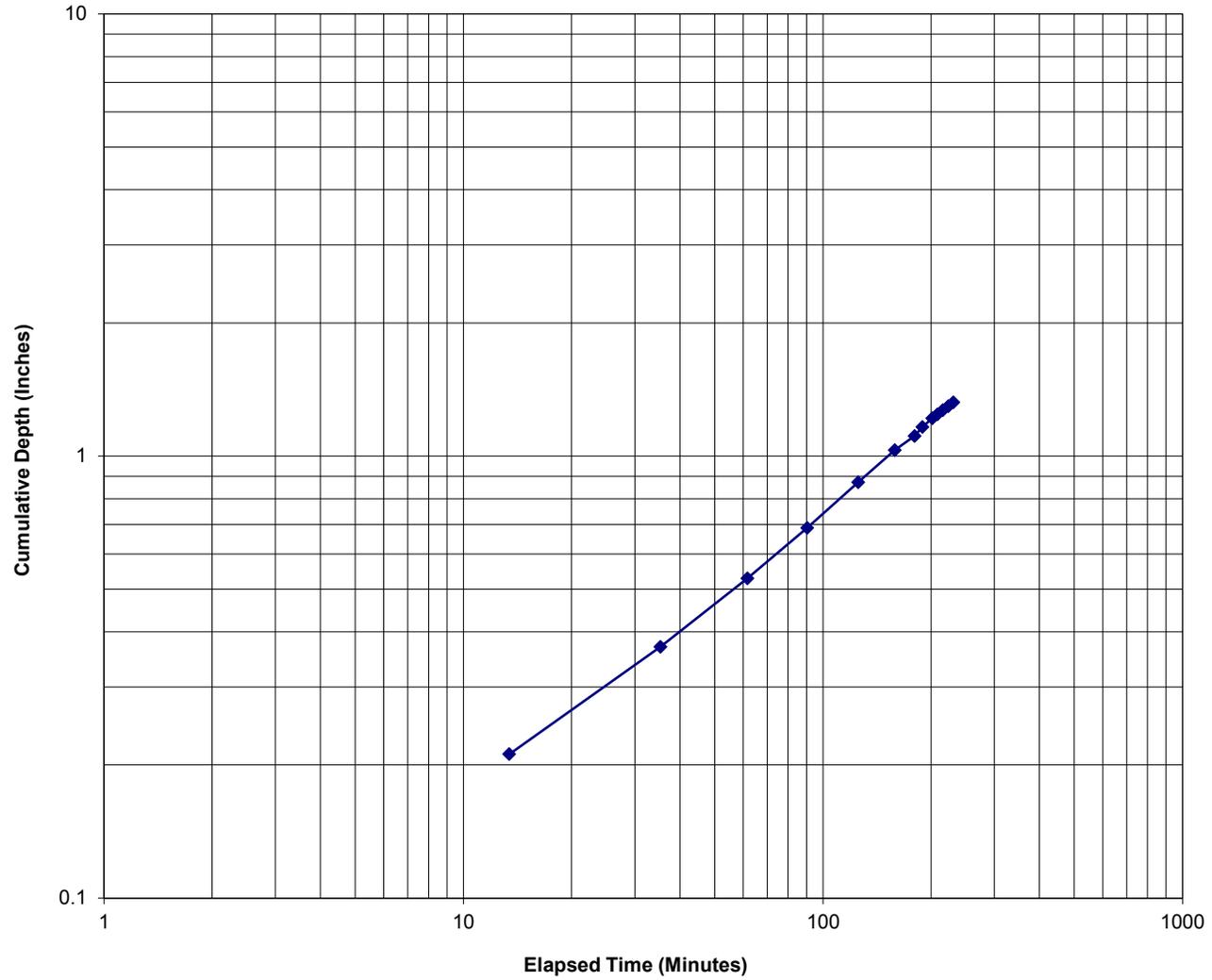
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	230.39	Rate	0.23
															m-1	-0.34122	R^2	0.998317
															m	0.658780		
															b	0.03647		
															bm	0.02403		
1	0.00	13.40	13.4	900	500	29.85	0.98	57	13.4	0.21156171	1.127105	-0.67456	1.283036	1.00				0.59
2	13.40	35.33	21.93	500	200	13.68	0.45	57	35.33	0.370233	1.548144	-0.43152	1.283036	0.46				0.43
3	40.47	66.82	26.35	1000	700	11.39	0.37	57	61.68	0.52890428	1.790144	-0.27662	1.283036	0.38				0.35
4	66.82	95.44	28.62	700	400	10.48	0.34	57	90.3	0.68757557	1.955688	-0.16268	1.283036	0.35				0.31
5	95.44	130.40	34.96	400	50	10.01	0.33	57	125.26	0.87269206	2.097812	-0.05914	1.283036	0.33				0.28
6	131.60	164.67	33.07	1000	700	9.07	0.30	58	158.33	1.03136335	2.199563	0.013412	1.263016	0.30				0.26
7	164.67	186.31	21.64	700	550	6.93	0.23	58	179.97	1.11069899	2.2552	0.045596	1.263016	0.23				0.25
8	186.31	195.39	9.08	550	450	11.01	0.36	59	189.05	1.16358942	2.276577	0.0658	1.243309	0.36				0.24
9	195.39	207.70	12.31	450	350	8.12	0.27	59	201.36	1.21647985	2.303973	0.085105	1.243309	0.26				0.24
10	210.36	217.30	6.94	1000	950	7.20	0.24	59	208.3	1.24292506	2.318689	0.094445	1.243309	0.23				0.23
11	217.30	224.37	7.07	950	900	7.07	0.23	59	215.37	1.26937027	2.333185	0.103588	1.243309	0.23				0.23
12	224.37	231.89	7.52	900	850	6.65	0.22	59	222.89	1.29581549	2.348091	0.112543	1.243309	0.22				0.23
13	231.89	239.39	7.5	850	800	6.67	0.22	59	230.39	1.3222607	2.362464	0.121317	1.243309	0.22				0.23

**Mountaire Farms of Delaware  
Infiltrometer Test DR-40**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-40**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-40	Project:	Mountaire Farms	Test Designation:	DR-40
W.O.:	4940d	Test Location:	TP-40	W.O.:	4940d	Test Location:	TP-40
Date:	10/23/19	Inner Ring Dia. (ft):	1.01	Date:	10/23/2019		
		Outer Ring Dia. (ft):	2.03				
Soil Series:		Inner Ring Area (sqin):	115.37	Test K V =	1.263016		
Test Depth:	60 Inches	Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
		Water Temp. (F):	58.00				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	239.39	Rate	#DIV/0!
															m-1	#DIV/0!		#DIV/0!
															m	#DIV/0!	R^2	#DIV/0!
															b	#DIV/0!		#DIV/0!
															bm	#DIV/0!		#DIV/0!
1	0.00	239.39	239.39	50	47.5	0.01	0.43	58	0	0	2.379106	0.216625	1.263016	0.43				#DIV/0!

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/23/19  
 Soil Series:  
 Test Depth: 58 Inches

Test Designation: DR-41  
 Test Location: TP-41  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 56.40

**Double Ring Infiltrometer  
Test Results**

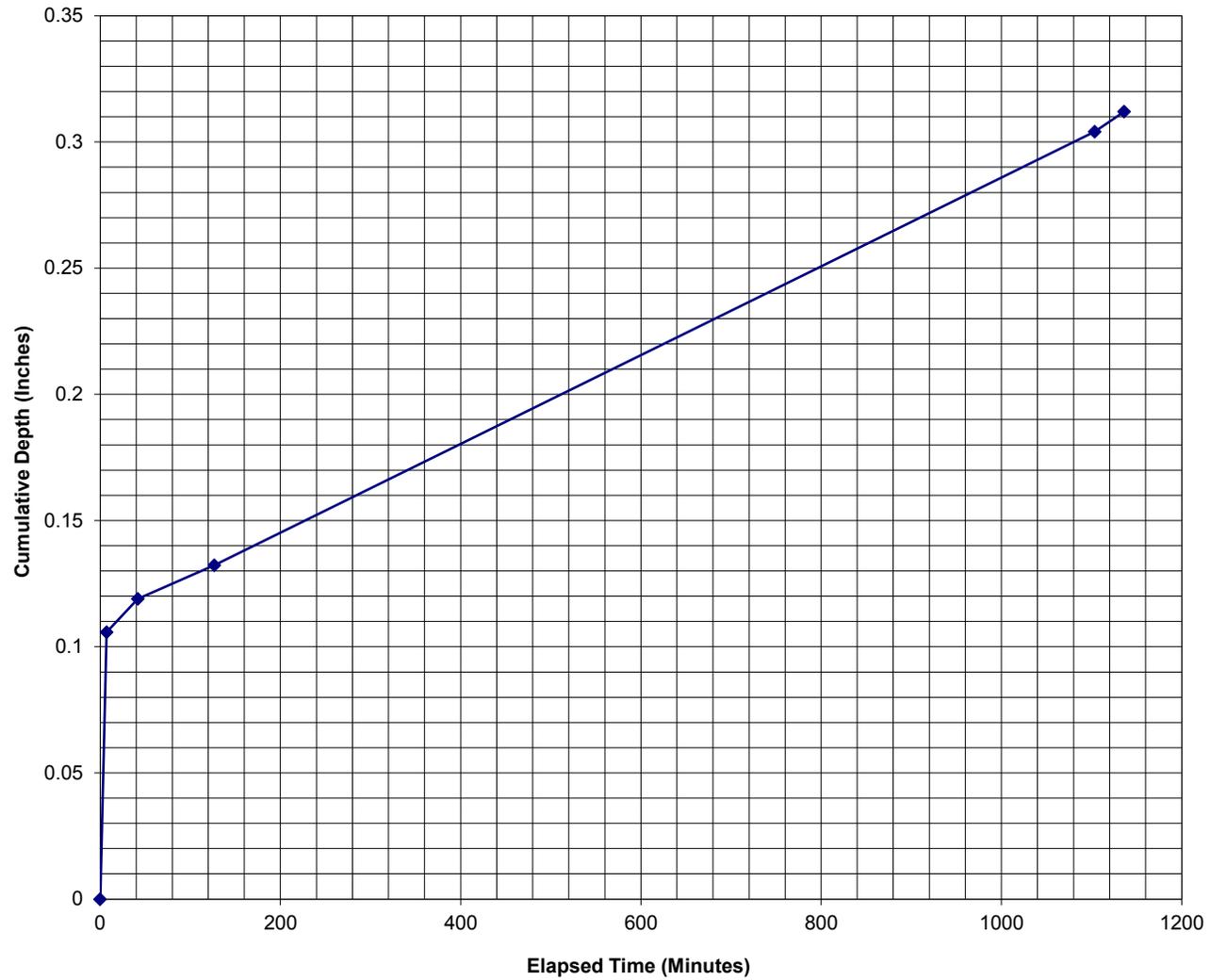
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/23/2019

Test Designation: DR-41  
 Test Location: TP-41

Test K V = 1.2952  
 K V @ 60 = 1.217

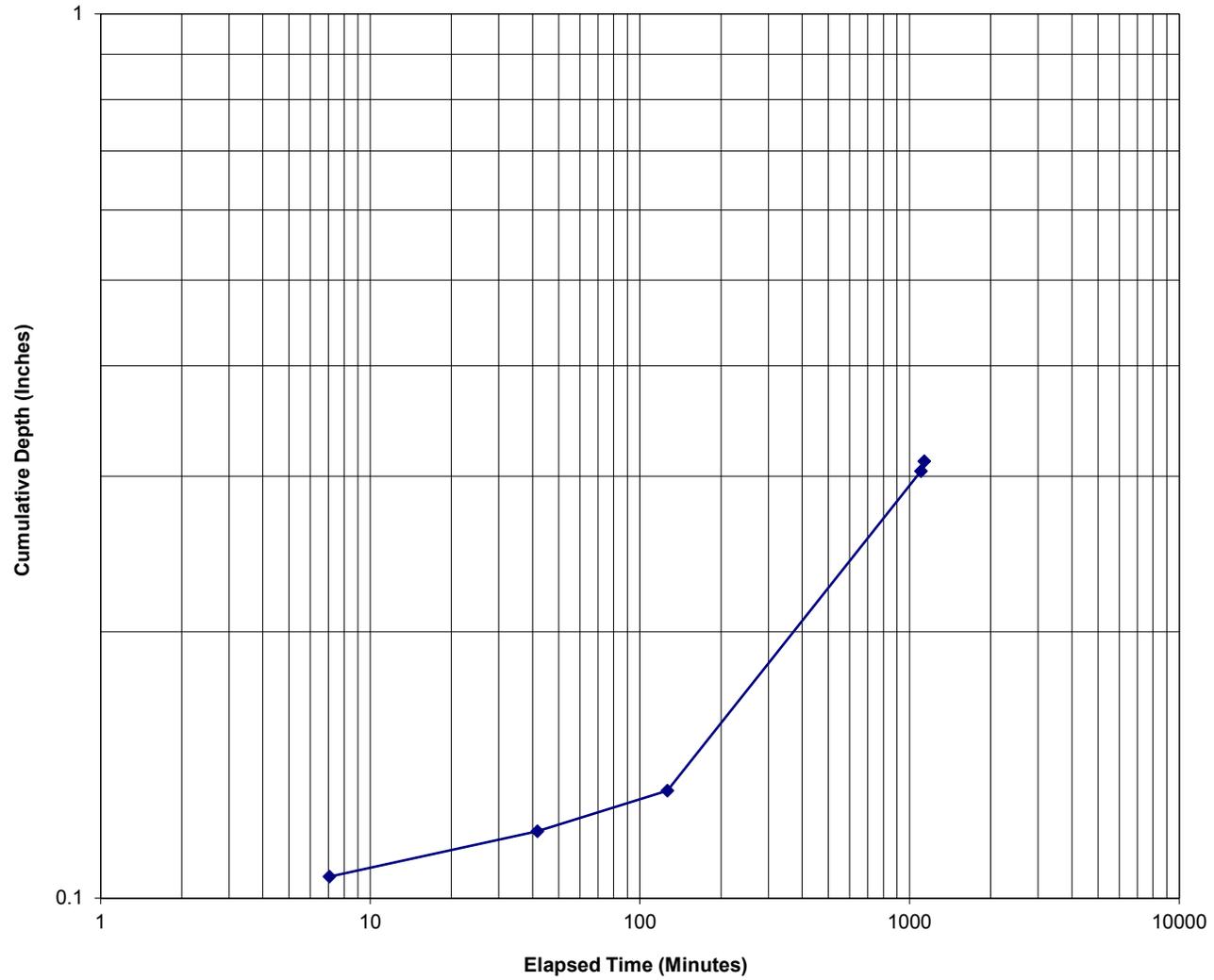
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	1136.17	Rate	0.00
															m-1	-0.77149	R^2	0.886998
															b	0.228510		
															bm	0.056499		
																0.01291		
1	0.00	7.07	7.07	1300	1100	28.29	0.96	56	7.07	0.10578086	0.849419	-0.97559	1.303374	0.96				0.17
2	7.07	41.76	34.69	1100	1075	0.72	0.02	56	41.76	0.11900346	1.62076	-0.92444	1.303374	0.02				0.04
3	41.76	126.57	84.81	1075	1050	0.29	0.01	58	126.57	0.13222607	2.102331	-0.87868	1.263016	0.01				0.02
4	473.40	1450.33	976.93	1350	1025	0.33	0.01	62	1103.5	0.30411996	3.042772	-0.51696	1.186012	0.01				0.003
5	1450.33	1483.00	32.67	1025	1010	0.46	0.02	50	1136.17	0.31205353	3.055443	-0.50577	1.432349	0.02				0.003

**Mountaire Farms of Delaware  
Infiltrometer Test DR-41**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-41**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-41	Project:	Mountaire Farms	Test Designation:	DR-41
W.O.:	4940d	Test Location:	TP-41	W.O.:	4940d	Test Location:	TP-41
Date:	10/23/19	Inner Ring Dia. (ft):	1.01	Date:	10/23/2019		
Soil Series:		Outer Ring Dia. (ft):	2.03	Test K V =	1.263016		
Test Depth:	58 Inches	Inner Ring Area (sqin):	115.37	K V @ 60 =	1.217		
		Outer Ring Area (sqin):	350.69				
		Water Temp. (F):	58.00				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	1483	Rate	#DIV/0!
															m-1	#DIV/0!	R^2	#DIV/0!
															b	#DIV/0!		#DIV/0!
															bm	#DIV/0!		#DIV/0!
1	0.00	1483.00	1483	50	49.9	0.00	0.003	58	1483	0.065869526	3.171141	-1.18132	1.263016	0.003				#DIV/0!

**Double Ring Infiltrometer  
Test Results**

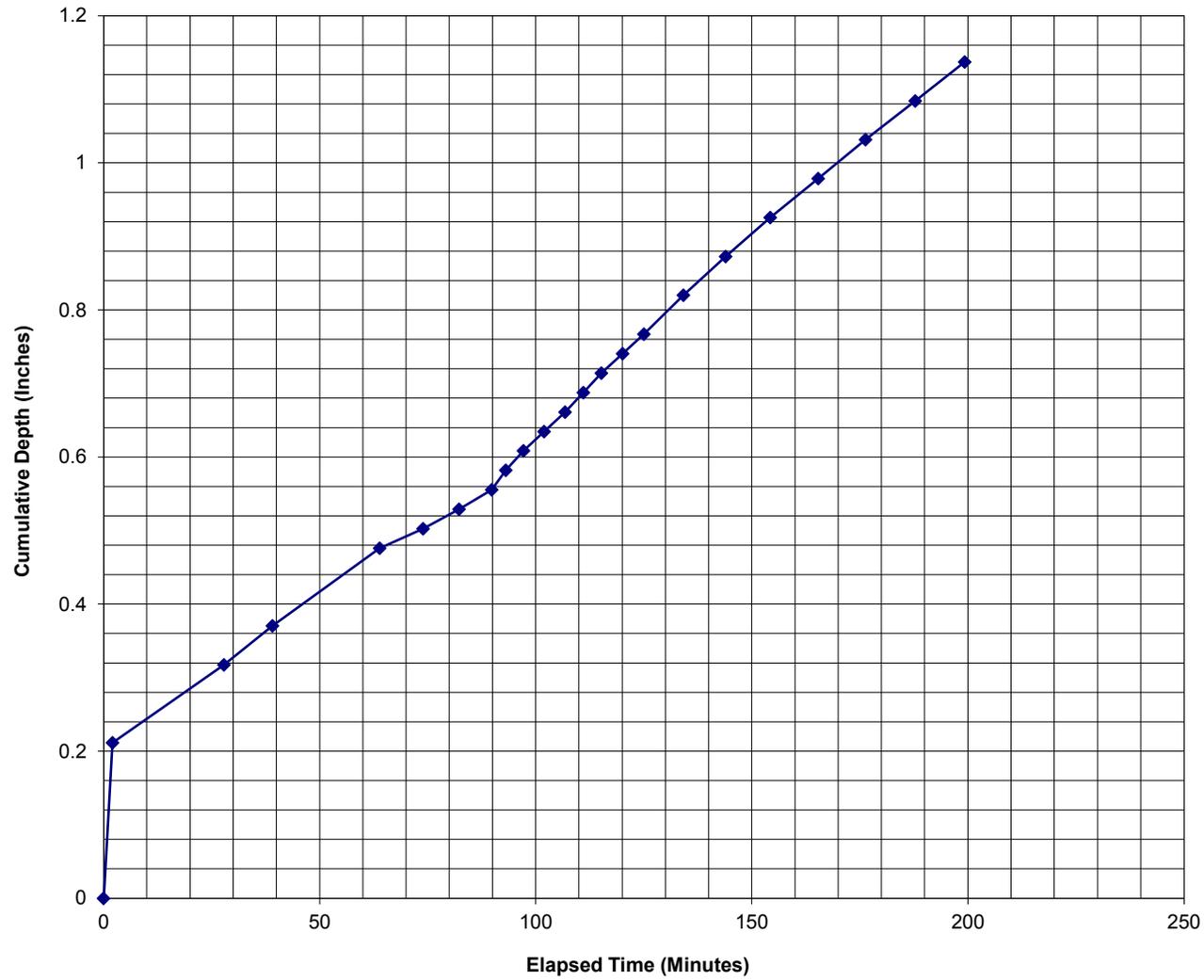
Project: Mountaire Farms Test Designation: DR-42  
 W.O.: 4940d Test Location: TP-42  
 Date: 10/23/19 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series:   
 Test Depth: 20 Inches Water Temp. (F): 70.45

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-42  
 W.O.: 4940d Test Location: TP-42  
 Date: 10/23/2019  
 Test K V = 1.038352  
 K V @ 60 = 1.217

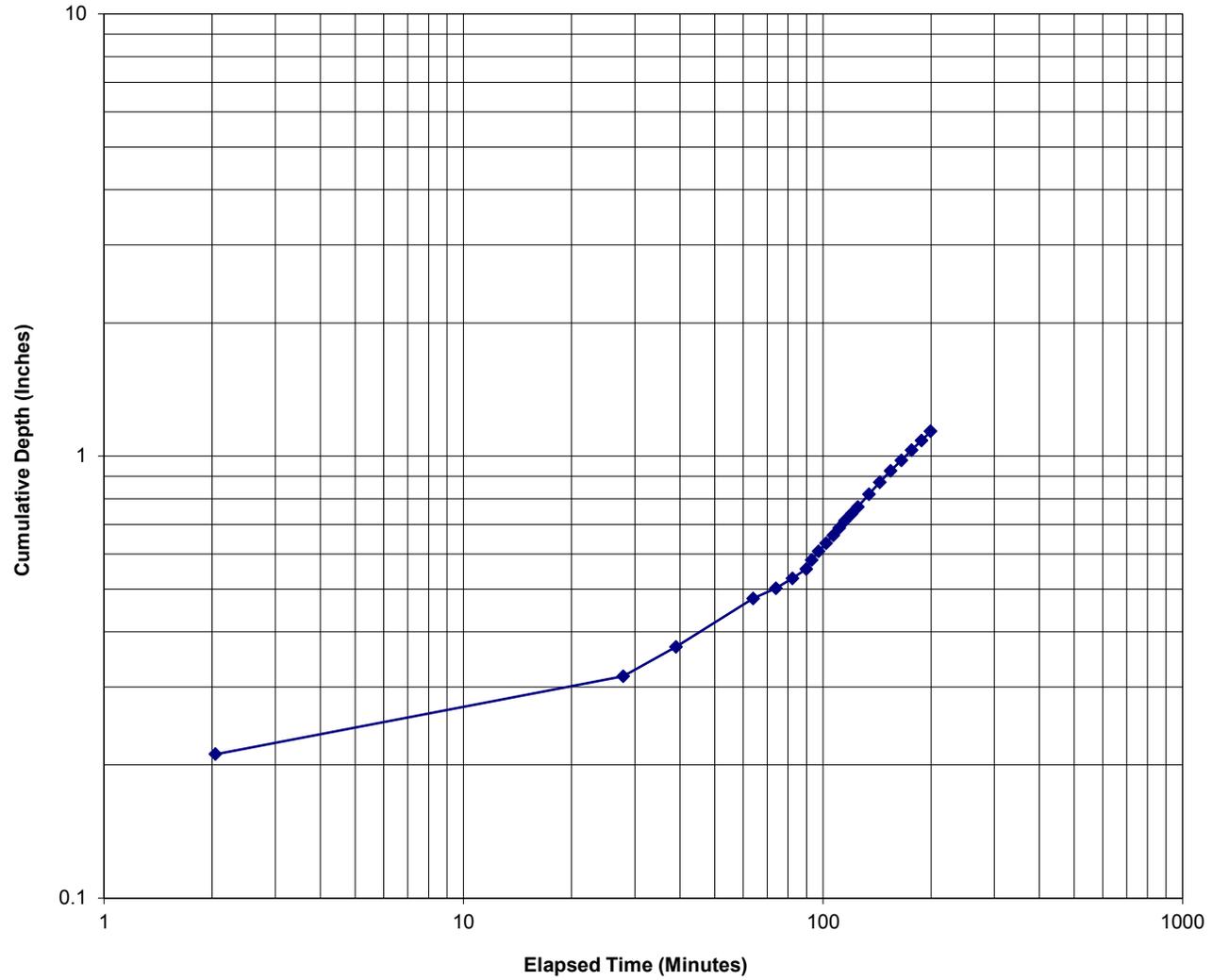
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
			0			0			0	0					m-1	0.10
															m	0.827685
															b	0.112103
															bm	0.04382
1	0.00	2.04	2.04	3300	2900	196.08	5.31	68	2.04	0.21156171	0.30963	-0.67456	1.079218	5.52		1.70
2	2.04	27.83	25.79	2900	2700	7.75	0.21	68	27.83	0.31734257	1.444513	-0.49847	1.079218	0.22		0.35
3	27.83	39.05	11.22	2700	2600	8.91	0.24	68	39.05	0.370233	1.591621	-0.43152	1.079218	0.25		0.28
4	39.05	63.90	24.85	2600	2400	8.05	0.22	68	63.9	0.47601385	1.805501	-0.32238	1.079218	0.23		0.21
5	63.90	73.94	10.04	2400	2350	4.98	0.13	68	73.94	0.50245907	1.868879	-0.2989	1.079218	0.14		0.19
6	73.94	82.23	8.29	2350	2300	6.03	0.16	68	82.23	0.52890428	1.91503	-0.27662	1.079218	0.17		0.18
7	82.23	89.82	7.59	2300	2250	6.59	0.18	68	89.82	0.5553495	1.953373	-0.25543	1.079218	0.19		0.17
8	100.57	103.79	3.22	3700	3650	15.53	0.42	68	93.04	0.58179471	1.96867	-0.23523	1.079218	0.44		0.17
9	103.79	107.92	4.13	3650	3600	12.11	0.33	72	97.17	0.60823992	1.987532	-0.21593	1.013419	0.32		0.16
10	107.92	112.68	4.76	3600	3550	10.50	0.28	72	101.93	0.63468514	2.008302	-0.19744	1.013419	0.28		0.16
11	112.68	117.56	4.88	3550	3500	10.25	0.28	72	106.81	0.66113035	2.028612	-0.17971	1.013419	0.27		0.15
12	117.56	121.76	4.2	3500	3450	11.90	0.32	72	111.01	0.68757557	2.045362	-0.16268	1.013419	0.31		0.15
13	121.76	125.91	4.15	3450	3400	12.05	0.33	72	115.16	0.71402078	2.061302	-0.14629	1.013419	0.32		0.15
14	125.91	130.85	4.94	3400	3350	10.12	0.27	72	120.1	0.74046599	2.079543	-0.13049	1.013419	0.27		0.14
15	130.85	135.77	4.92	3350	3300	10.16	0.28	72	125.02	0.76691121	2.096979	-0.11525	1.013419	0.27		0.14
16	135.77	144.95	9.18	3300	3200	10.89	0.29	72	134.2	0.81980164	2.127753	-0.08629	1.013419	0.29		0.13
17	144.95	154.72	9.77	3200	3100	10.24	0.28	72	143.97	0.87269206	2.158272	-0.05914	1.013419	0.27		0.13
18	154.72	165.01	10.29	3100	3000	9.72	0.26	72	154.26	0.92558249	2.188253	-0.03358	1.013419	0.26		0.12
19	165.01	176.12	11.11	3000	2900	9.00	0.24	72	165.37	0.97847292	2.218457	-0.00945	1.013419	0.24		0.12
20	176.12	187.03	10.91	2900	2800	9.17	0.25	72	176.28	1.03136335	2.246203	0.013412	1.013419	0.24		0.11
21	187.03	198.58	11.55	2800	2700	8.66	0.23	72	187.83	1.08425378	2.273765	0.035131	1.013419	0.23		0.11
22	198.58	209.97	11.39	2700	2600	8.78	0.24	70	199.22	1.1371442	2.299333	0.055816	1.045801	0.24		0.10

**Mountaire Farms of Delaware  
Infiltrometer Test DR-42**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-42**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-42  
 W.O.: 4940d Test Location: TP-42  
 Date: 10/23/19 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series: Water Temp. (F): 70.00  
 Test Depth: 20 Inches

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-42  
 W.O.: 4940d Test Location: TP-42  
 Date: 10/23/2019  
 Test K V = 1.045801  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	209.97	Rate	#DIV/0!
															m-1	#DIV/0!		#DIV/0!
															m	#DIV/0!	R^2	#DIV/0!
															b	#DIV/0!		#DIV/0!
															bm	#DIV/0!		#DIV/0!
1	0.00	209.97	209.97	50	48	0.01	0.32	70	0	0	2.322157	0.119715	1.045801	0.32				#DIV/0!

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/23/19  
 Soil Series:  
 Test Depth: 56 Inches

Test Designation: DR-43  
 Test Location: TP-43  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 60.40

**Double Ring Infiltrometer  
Test Results**

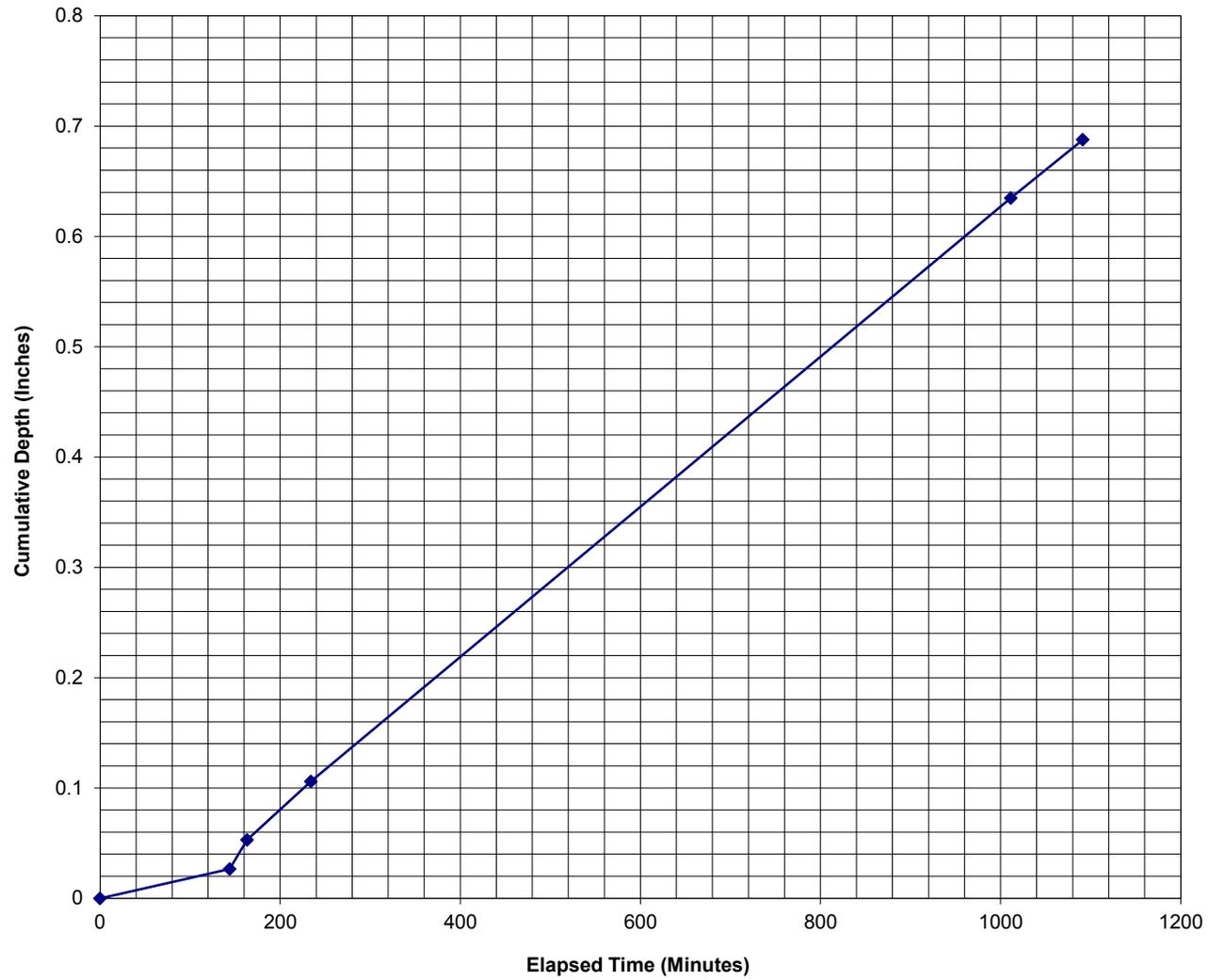
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/23/2019

Test Designation: DR-43  
 Test Location: TP-43

Test K V = 1.216234  
 K V @ 60 = 1.217

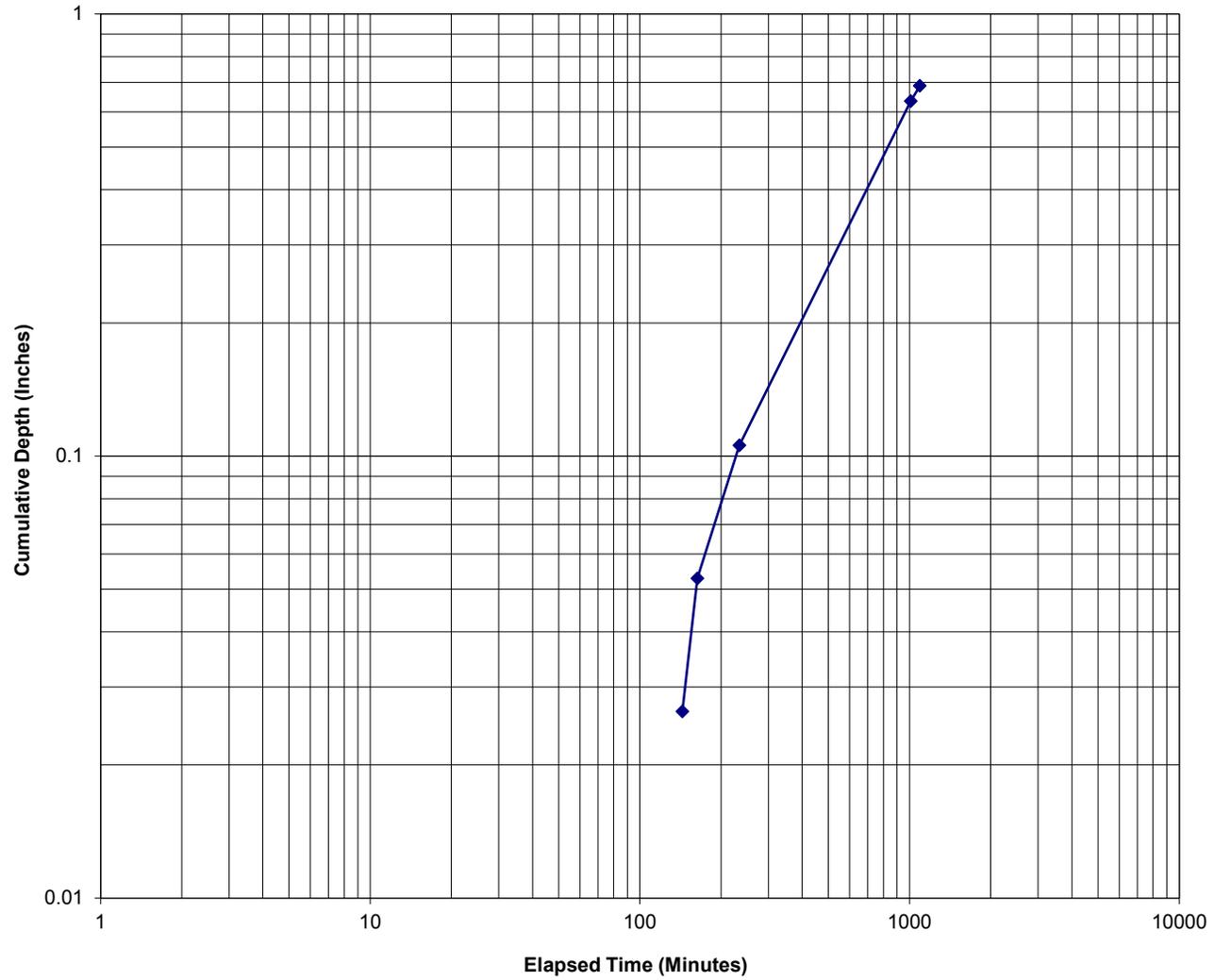
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	1091.03	Rate	0.06
															m-1	0.455171	R^2	0.970451
														b	1.455171			
														bm	2.76E-05			
																0.00004		
1	0.00	143.79	143.79	800	750	0.35	0.01	68	143.79	0.02644521	2.157729	-1.57765	1.079218	0.01				0.02
2	143.79	163.37	19.58	750	700	2.55	0.08	68	163.37	0.05289043	2.213172	-1.27662	1.079218	0.07				0.02
3	163.37	234.12	70.75	700	600	1.41	0.04	66	234.12	0.10578086	2.369439	-0.97559	1.113702	0.04				0.03
4	234.83	1012.05	777.22	1000	0	1.29	0.04	50	1011.34	0.63468514	3.004897	-0.19744	1.432349	0.05				0.06
5	1175.31	1255.00	79.69	900	800	1.25	0.04	50	1091.03	0.68757557	3.037837	-0.16268	1.432349	0.05				0.06

**Mountaire Farms of Delaware  
Infiltrometer Test DR-43**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-43**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-43  
 W.O.: 4940d Test Location: TP-43  
 Date: 10/23/19 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series: Water Temp. (F): 66.00  
 Test Depth: 56 Inches

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-43  
 W.O.: 4940d Test Location: TP-43  
 Date: 10/23/2019  
 Test K V = 1.113702  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	1255 m-1	Rate	#DIV/0!
1	0.00	1255.00	1255	50	47.5	0.00	0.07	66	1255	1.646738138	3.098644	0.216625	1.113702	0.07				#DIV/0!

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/24/19  
 Soil Series:  
 Test Depth: 13 Inches

Test Designation: DR-44  
 Test Location: TP-44  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 44.45

**Double Ring Infiltrometer  
Test Results**

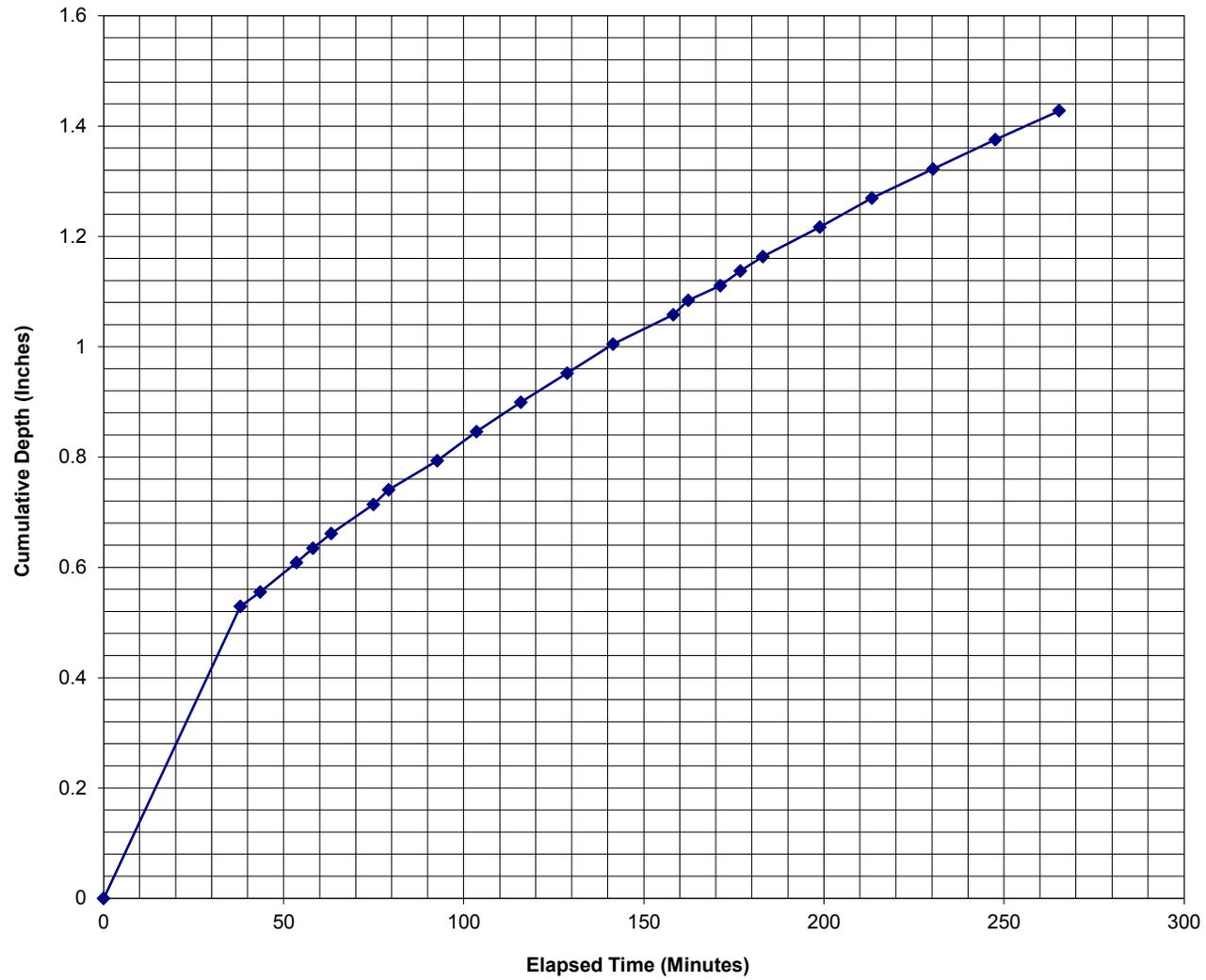
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/23/2019

Test Designation: DR-44  
 Test Location: TP-44

Test K V = 1.562876  
 K V @ 60 = 1.217

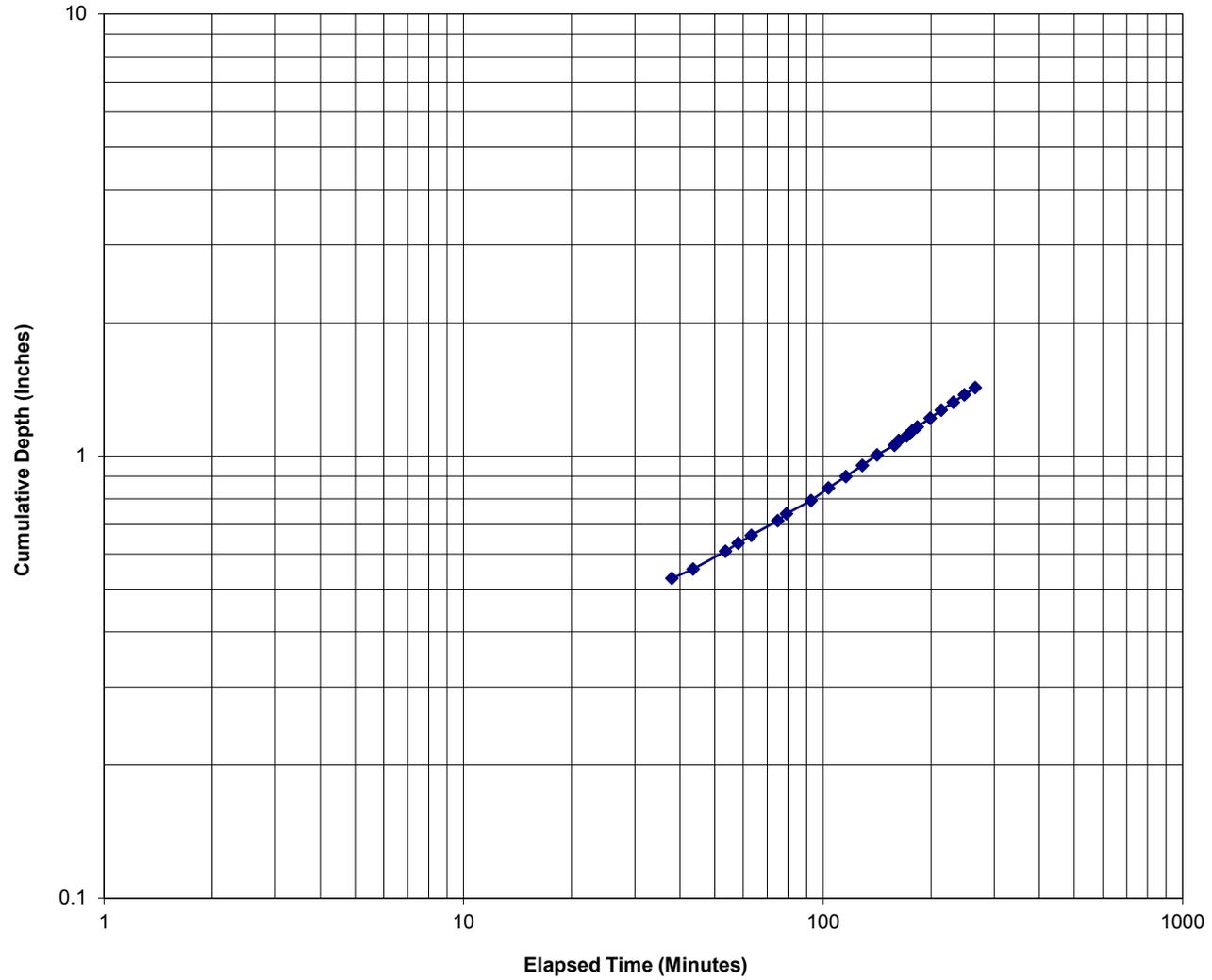
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	265.33	Rate	0.17
															m-1	-0.47743	R^2	0.997855
															m	0.522575		
															b	0.076055		
															bm	0.03974		
1	0.00	38.02	38.02	3500	2500	26.30	1.07	42	0	0	1.580012	-0.27662	1.624385	1.11				0.42
2	38.02	43.52	5.5	2500	2450	9.09	0.37	42	43.52	0.5553495	1.638689	-0.25543	1.624385	0.39				0.39
3	43.52	53.58	10.06	2450	2350	9.94	0.41	42	53.58	0.60823992	1.729003	-0.21593	1.624385	0.42				0.36
4	53.58	58.12	4.54	2350	2300	11.01	0.45	42	58.12	0.63468514	1.764326	-0.19744	1.624385	0.47				0.34
5	58.12	63.21	5.09	2300	2250	9.82	0.40	42	63.21	0.66113035	1.800786	-0.17971	1.624385	0.42				0.33
6	63.21	74.89	11.68	2250	2150	8.56	0.35	42	74.89	0.71402078	1.874424	-0.14629	1.624385	0.36				0.30
7	74.89	79.20	4.31	2150	2100	11.60	0.47	42	79.2	0.74046599	1.898725	-0.13049	1.624385	0.49				0.30
8	79.20	92.66	13.46	2100	2000	7.43	0.30	42	92.66	0.79335642	1.966892	-0.10053	1.624385	0.31				0.27
9	92.66	103.51	10.85	2000	1900	9.22	0.38	42	103.51	0.84624685	2.014982	-0.0725	1.624385	0.39				0.26
10	103.51	115.88	12.37	1900	1800	8.08	0.33	44	115.88	0.89913728	2.064008	-0.04617	1.574088	0.33				0.25
11	115.88	128.70	12.82	1800	1700	7.80	0.32	44	128.7	0.95202771	2.109579	-0.02135	1.574088	0.32				0.23
12	128.70	141.46	12.76	1700	1600	7.84	0.32	44	141.46	1.00491813	2.150634	0.002131	1.574088	0.32				0.22
13	141.46	158.18	16.72	1600	1500	5.98	0.24	44	158.18	1.05780856	2.199152	0.024407	1.574088	0.25				0.21
14	158.18	162.33	4.15	1500	1450	12.05	0.49	44	162.33	1.08425378	2.210399	0.035131	1.574088	0.49				0.21
15	162.33	171.20	8.87	1450	1400	5.64	0.23	44	171.2	1.11069899	2.233504	0.045596	1.574088	0.23				0.20
16	171.20	176.84	5.64	1400	1350	8.87	0.36	44	176.84	1.1371442	2.247581	0.055816	1.574088	0.36				0.20
17	176.84	183.04	6.2	1350	1300	8.06	0.33	44	183.04	1.16358942	2.262546	0.0658	1.574088	0.33				0.20
18	183.04	198.85	15.81	1300	1200	6.33	0.26	44	198.85	1.21647985	2.298526	0.085105	1.574088	0.26				0.19
19	198.85	213.35	14.5	1200	1100	6.90	0.28	44	213.35	1.26937027	2.329093	0.103588	1.574088	0.28				0.18
20	213.35	230.29	16.94	1100	1000	5.90	0.24	44	230.29	1.3222607	2.362275	0.121317	1.574088	0.24				0.18
21	230.29	247.60	17.31	1000	900	5.78	0.24	58	247.6	1.37515113	2.393751	0.13835	1.263016	0.19				0.17
22	247.60	265.33	17.73	900	800	5.64	0.23	58	265.33	1.42804156	2.423786	0.154741	1.263016	0.19				0.17

**Mountaire Farms of Delaware  
Infiltrometer Test DR-44**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-44**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-44  
 W.O.: 4940d Test Location: TP-44  
 Date: 10/24/19 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series: Water Temp. (F): 44.00  
 Test Depth: 13 Inches

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-44  
 W.O.: 4940d Test Location: TP-44  
 Date: 10/23/2019  
 Test K V = 1.574088  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	265.33	Rate	#DIV/0!
															m-1	#DIV/0!	R^2	#DIV/0!
															b	#DIV/0!		#DIV/0!
															bm	#DIV/0!		#DIV/0!
1	0.00	265.33	265.33	50	42.5	0.03	1.44	44	0	0	2.423786	0.693746	1.574088	1.44				#DIV/0!

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/24/19  
 Soil Series:  
 Test Depth: 22 Inches

Test Designation: DR-45  
 Test Location: TP-45  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 62.41

**Double Ring Infiltrometer  
Test Results**

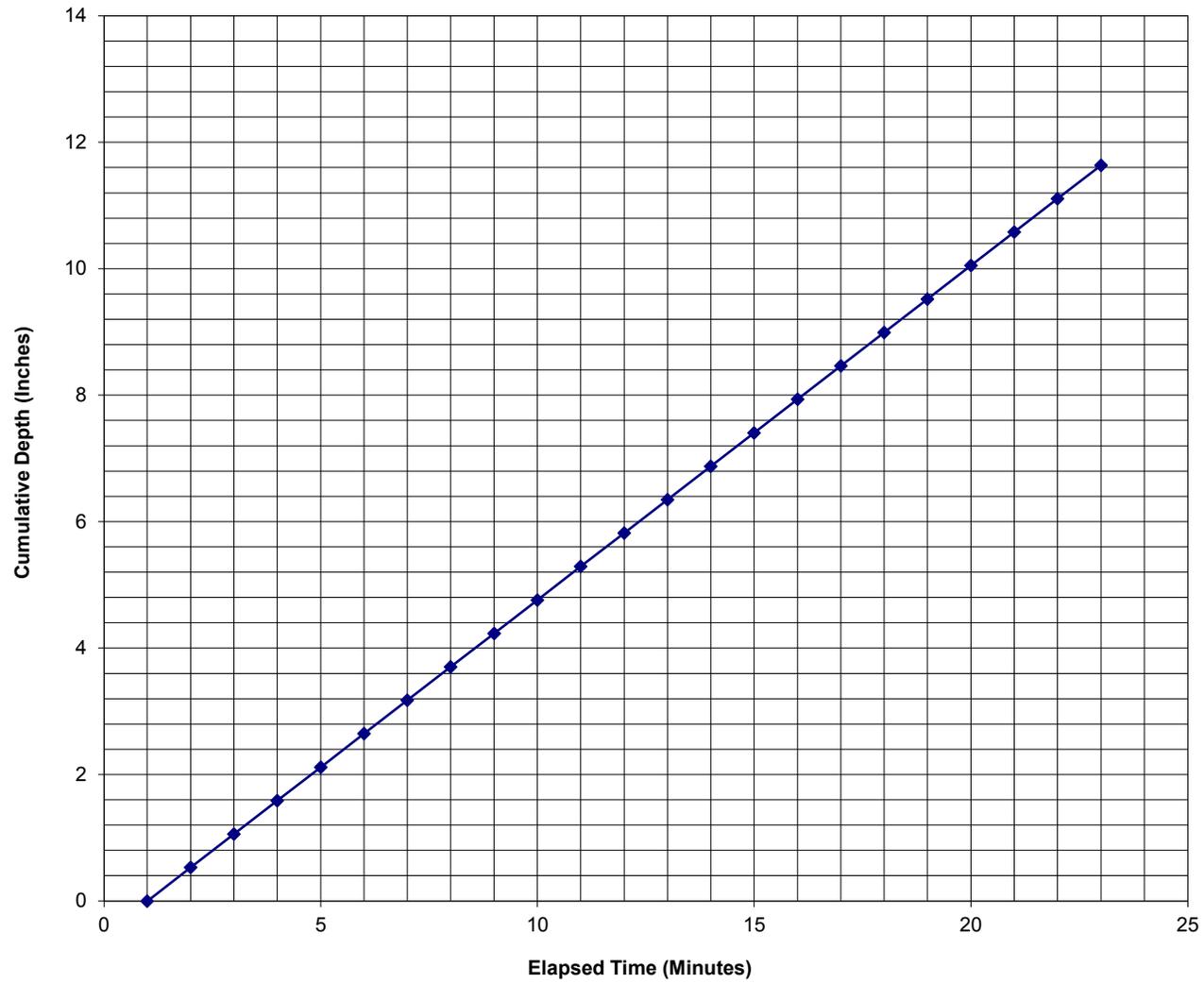
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/24/2019

Test Designation: DR-45  
 Test Location: TP-45

Test K V = 1.178406  
 K V @ 60 = 1.217

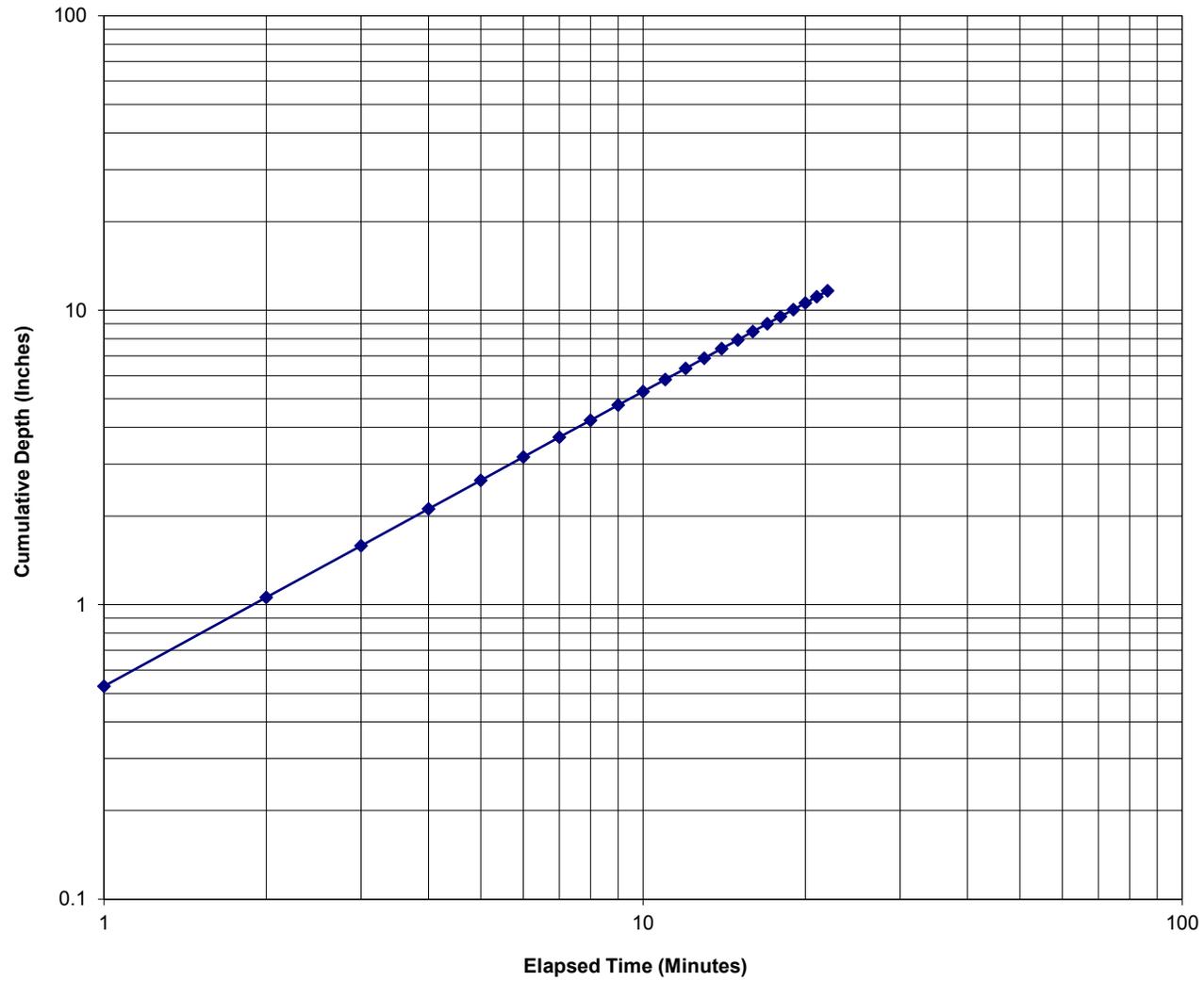
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	184.24	Rate	3.67
															m-1	-0.01637	R^2	0.999957
															m	0.983631		
															b	0.067815		
															bm	0.06670		
1	0.00	8.01	8.01	1325	325	124.84	3.84	50	8.01	0.52890428	0.903633	-0.27662	1.432349	4.66				3.87
2	9.13	17.41	8.28	1400	400	120.77	3.71	54	16.29	1.05780856	1.211921	0.024407	1.345021	4.24				3.82
3	18.27	26.63	8.36	1400	400	119.62	3.68	56	24.65	1.58671284	1.391817	0.200498	1.303374	4.07				3.80
4	27.43	35.80	8.37	1400	400	119.47	3.67	58	33.02	2.11561712	1.518777	0.325437	1.263016	3.93				3.78
5	36.50	44.99	8.49	1400	400	117.79	3.62	60	41.51	2.64452141	1.618153	0.422347	1.223909	3.76				3.77
6	45.64	54.15	8.51	1400	400	117.51	3.61	61	50.02	3.17342569	1.699144	0.501528	1.204811	3.69				3.75
7	54.72	63.20	8.48	1400	400	117.92	3.62	61	58.5	3.70232997	1.767156	0.568475	1.204811	3.70				3.74
8	63.93	72.45	8.52	1400	400	117.37	3.61	61	67.02	4.23123425	1.826204	0.626467	1.204811	3.69				3.74
9	73.37	81.99	8.62	1400	400	116.01	3.56	62	75.64	4.76013853	1.878752	0.67762	1.186012	3.59				3.73
10	83.14	91.61	8.47	1400	400	118.06	3.63	62	84.11	5.28904281	1.924848	0.723377	1.186012	3.65				3.72
11	92.80	101.56	8.76	1400	400	114.16	3.51	63	92.87	5.81794709	1.967875	0.76477	1.167506	3.48				3.72
12	102.47	111.13	8.66	1400	400	115.47	3.55	63	101.53	6.34685137	2.006594	0.802558	1.167506	3.52				3.71
13	112.01	120.65	8.64	1400	400	115.74	3.56	63	110.17	6.87575565	2.042063	0.83732	1.167506	3.52				3.71
14	121.31	129.85	8.54	1400	400	117.10	3.60	64	118.71	7.40465993	2.074487	0.869505	1.149288	3.51				3.70
15	130.89	139.38	8.49	1400	400	117.79	3.62	65	127.2	7.93356422	2.104487	0.899468	1.131355	3.47				3.70
16	140.17	148.55	8.38	1400	400	119.33	3.67	66	135.58	8.4624685	2.132196	0.927497	1.113702	3.47				3.69
17	149.27	157.59	8.32	1400	400	120.19	3.69	67	143.9	8.99137278	2.158061	0.953826	1.096324	3.44				3.69
18	158.35	166.69	8.34	1400	400	119.90	3.68	67	152.24	9.52027706	2.182529	0.97865	1.096324	3.43				3.69
19	167.57	175.72	8.15	1400	400	122.70	3.77	67	160.39	10.0491813	2.205177	1.002131	1.096324	3.51				3.68
20	176.68	184.92	8.24	1400	400	121.36	3.73	67	168.63	10.5780856	2.226935	1.024407	1.096324	3.47				3.68
21	186.34	194.17	7.83	1400	400	127.71	3.92	68	176.46	11.1069899	2.246646	1.045596	1.079218	3.59				3.68
22	195.01	202.79	7.78	1400	400	128.53	3.95	68	184.24	11.6358942	2.265384	1.0658	1.079218	3.62				3.67

**Mountaire Farms of Delaware  
Infiltrometer Test DR-45**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-45**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-45  
 Test Location: TP-45  
 W.O.: 4940d Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Date: 10/24/19 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series: Water Temp. (F): 56.75  
 Test Depth: 22 Inches

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-45  
 W.O.: 4940d Test Location: TP-45  
 Date: 10/24/2019  
 Test K V = 1.288091  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
			0			0			0	0					140.17	1.83
															m-1	-0.31106
															b	0.688937
															bm	0.205909
																R^2 0.951804
1	0.00	18.27	18.27	50	47.5	0.14	5.72	50	18.27	1.646738138	1.261739	0.216625	1.432349	6.36		3.45
2	18.27	54.15	35.88	47.5	46	0.04	1.75	54	54.15	2.63478102	1.733598	0.420745	1.345021	1.83		2.46
3	54.15	83.14	28.99	46	43	0.10	4.33	60	83.14	4.610866786	1.91981	0.663783	1.223909	4.11		2.15
4	83.14	140.17	57.03	43	40	0.05	2.20	63	140.17	6.586952551	2.146655	0.818685	1.167506	1.99		1.83

**Double Ring Infiltrometer  
Test Results**

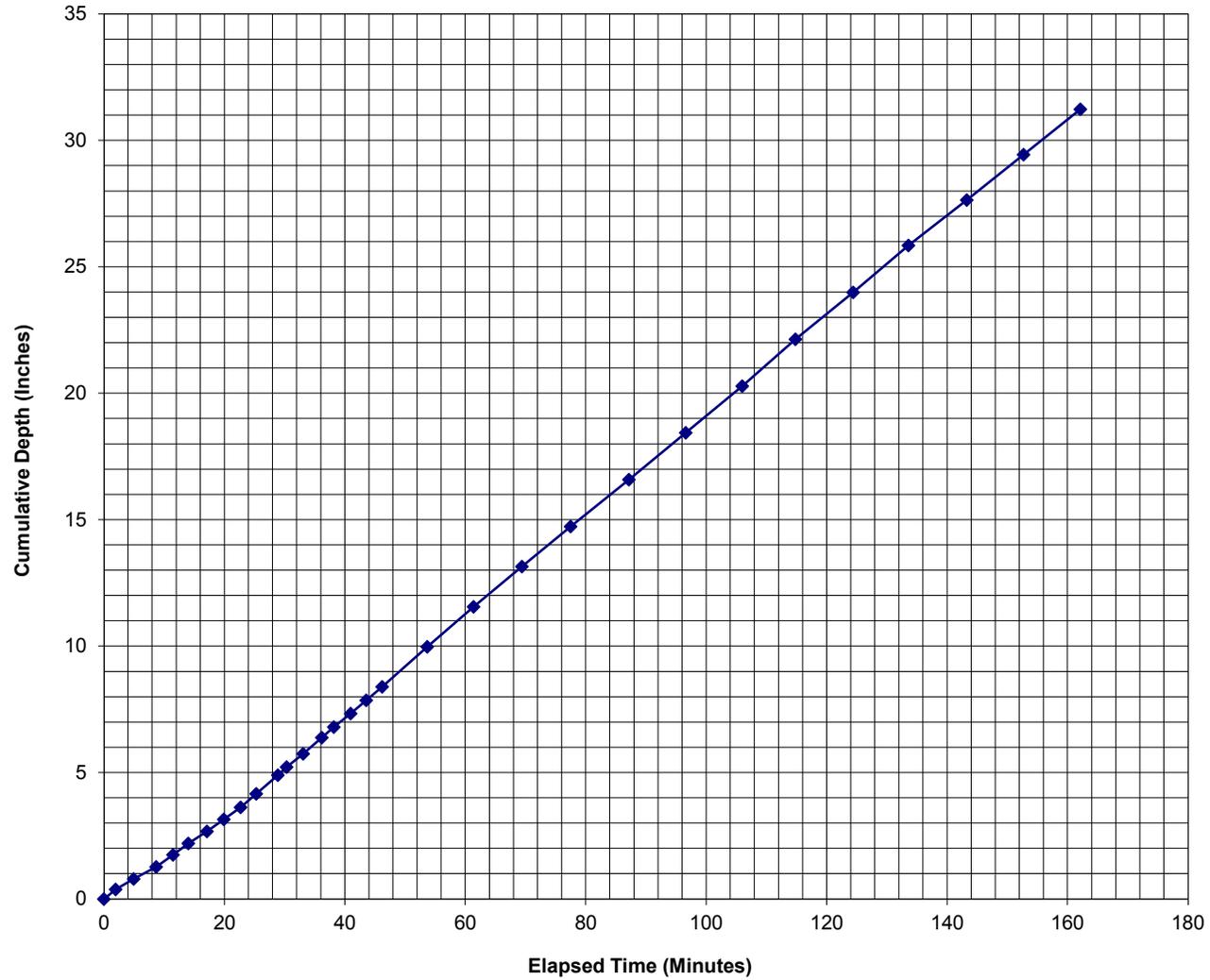
Project: **Mountaire Farms** Test Designation: **DR-46**  
 W.O.: **4940d** Test Location: **TP-46**  
 Date: **10/24/19** Inner Ring Dia. (ft): **1.01**  
 Outer Ring Dia. (ft): **2.03**  
 Inner Ring Area (sqin): **115.37**  
 Outer Ring Area (sqin): **350.69**  
 Soil Series:   
 Test Depth: **34 Inches**  
 Water Temp. (F): **68.87**

**Double Ring Infiltrometer  
Test Results**

Project: **Mountaire Farms** Test Designation: **DR-46**  
 W.O.: **4940d** Test Location: **TP-46**  
 Date: **10/24/2019** Inner Ring Dia. (ft): **1.01**  
 Outer Ring Dia. (ft): **2.03**  
 Inner Ring Area (sqin): **115.37**  
 Outer Ring Area (sqin): **350.69**  
 Test K V = **1.064608**  
 K V @ 60 = **1.217**

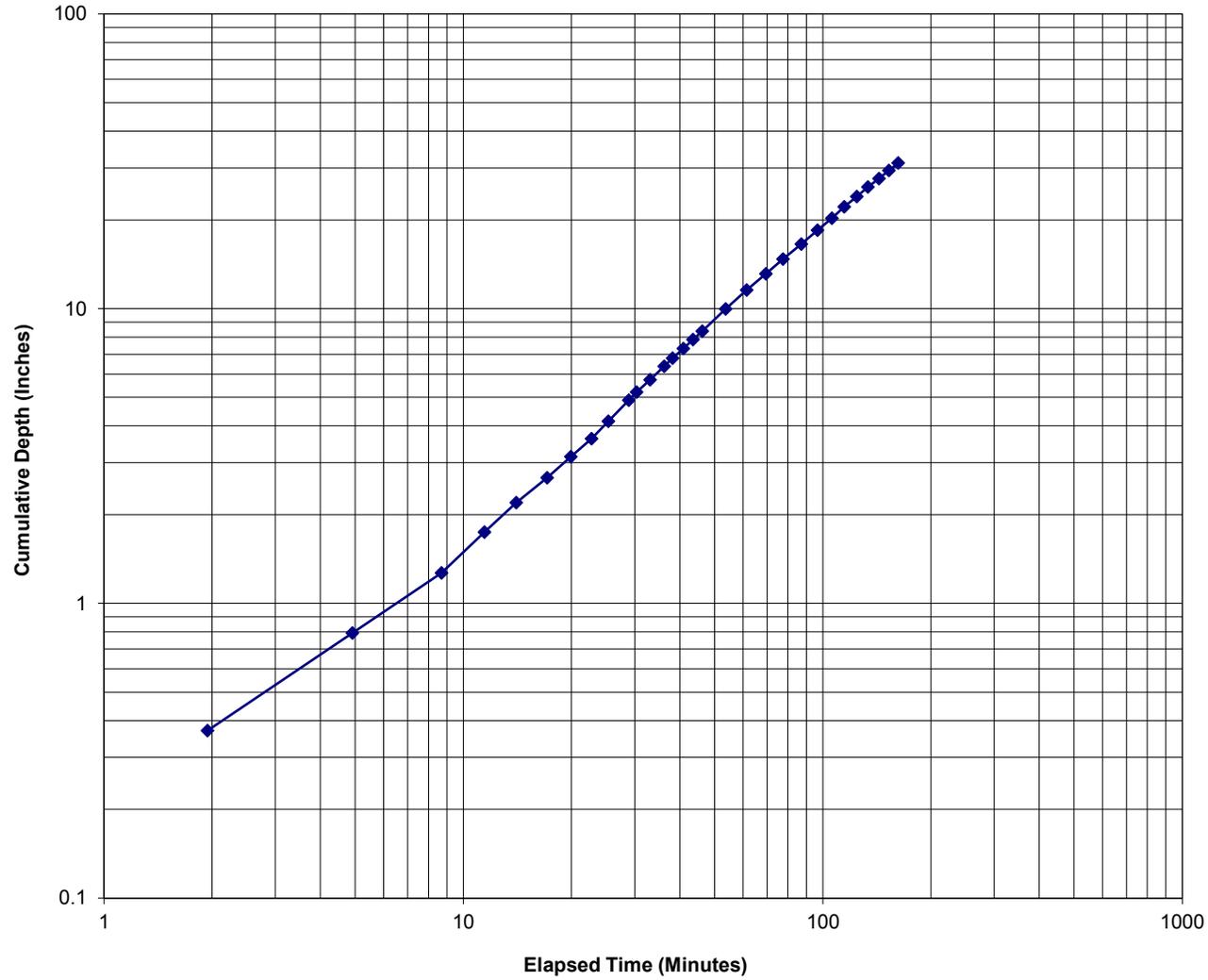
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	Rate
			0			0			0	0					m-1	162.12
															m	12.15
															b	0.055718
															bm	0.144413
																0.996964
																0.15246
1	0.00	1.94	1.94	950	250	360.82	10.02	67	1.94	0.370233	0.287802	-0.43152	1.096324	10.32		9.49
2	3.18	6.15	2.97	900	100	269.36	7.48	67	4.91	0.79335642	0.691081	-0.10053	1.096324	7.70		10.00
3	6.86	10.64	3.78	1000	100	238.10	6.61	67	8.69	1.26937027	0.93902	0.103588	1.096324	6.81		10.32
4	11.84	14.60	2.76	1000	100	326.09	9.05	67	11.45	1.74538413	1.058805	0.241891	1.096324	9.32		10.48
5	15.33	17.92	2.59	950	100	328.19	9.11	67	14.04	2.19495277	1.147367	0.341425	1.096324	9.38		10.60
6	18.80	21.87	3.07	1000	100	293.16	8.14	68	17.11	2.67096662	1.23325	0.426668	1.079218	8.25		10.72
7	22.89	25.70	2.81	1000	100	320.28	8.89	68	19.92	3.14698047	1.299289	0.497894	1.079218	9.01		10.81
8	27.82	30.62	2.8	1000	100	321.43	8.92	68	22.72	3.62299433	1.356408	0.559068	1.079218	9.05		10.89
9	40.87	43.46	2.59	3400	2400	386.10	10.72	68	25.31	4.15189861	1.403292	0.618247	1.079218	10.87		10.95
10	43.46	47.03	3.57	2400	1000	392.16	10.89	68	28.88	4.8923646	1.460597	0.689519	1.079218	11.04		11.03
11	47.03	48.50	1.47	1000	400	408.16	11.33	68	30.35	5.20970717	1.482159	0.716813	1.079218	11.49		11.06
12	50.32	53.04	2.72	3600	2600	367.65	10.21	68	33.07	5.73861145	1.519434	0.758807	1.079218	10.35		11.12
13	53.04	56.14	3.1	2600	1400	387.10	10.75	68	36.17	6.37329659	1.558349	0.804364	1.079218	10.89		11.17
14	56.14	58.14	2	1400	600	400.00	11.10	68	38.17	6.79642001	1.581722	0.83228	1.079218	11.26		11.21
15	59.60	62.39	2.79	3650	2650	358.42	9.95	68	40.96	7.32532429	1.61236	0.864827	1.079218	10.09		11.25
16	62.39	64.98	2.59	2650	1650	386.10	10.72	68	43.55	7.85422857	1.638988	0.895104	1.079218	10.87		11.29
17	64.98	67.62	2.64	1650	650	378.79	10.52	68	46.19	8.38313285	1.664548	0.923406	1.079218	10.66		11.33
18	68.91	76.43	7.52	3650	650	398.94	11.07	68	53.71	9.9698457	1.730055	0.998688	1.079218	11.23		11.42
19	77.45	85.11	7.66	3650	650	391.64	10.87	70	61.37	11.5565585	1.787956	1.062829	1.045801	10.68		11.51
20	86.52	94.58	8.06	3650	650	372.21	10.33	70	69.43	13.1432714	1.841547	1.118703	1.045801	10.15		11.59
21	95.94	103.98	8.04	3650	650	373.13	10.36	70	77.47	14.7299842	1.889134	1.168202	1.045801	10.18		11.66
22	105.05	114.74	9.69	3650	150	361.20	10.03	70	87.16	16.5811492	1.940317	1.219615	1.045801	9.85		11.73
23	115.82	125.25	9.43	3650	150	371.16	10.30	71	96.59	18.4323142	1.984932	1.26558	1.029483	9.96		11.80
24	126.60	136.02	9.42	3650	150	371.55	10.31	71	106.01	20.2834792	2.025347	1.307142	1.029483	9.97		11.86
25	137.37	146.17	8.8	3650	150	397.73	11.04	71	114.81	22.1346442	2.05998	1.345073	1.029483	10.68		11.91
26	147.82	157.42	9.6	3650	150	364.58	10.12	71	124.41	23.9858091	2.094855	1.379954	1.029483	9.79		11.97
27	158.47	167.66	9.19	3650	150	380.85	10.57	71	133.6	25.8369741	2.125806	1.412242	1.029483	10.22		12.02
28	169.16	178.82	9.66	3550	150	351.97	9.77	71	143.26	27.6352487	2.156125	1.441463	1.029483	9.45		12.06
29	180.07	189.50	9.43	3650	250	360.55	10.01	71	152.69	29.4335232	2.183811	1.468842	1.029483	9.68		12.11
30	190.90	200.33	9.43	3650	250	360.55	10.01	70	162.12	31.2317978	2.209837	1.494597	1.045801	9.83		12.15

**Mountaire Farms of Delaware  
Infiltrometer Test DR-46**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-46**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

Project: Mountaire Farms Test Designation: DR-46  
 Test Location: TP-46  
 W.O.: 4940d Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Date: 10/24/19 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Soil Series: Water Temp. (F): 69.55  
 Test Depth: 34 Inches

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms Test Designation: DR-46  
 W.O.: 4940d Test Location: TP-46  
 Date: 10/24/2019  
 Test K V = 1.053304  
 K V @ 60 = 1.217

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	200.33	Rate	13.72
															m-1	-0.17698	R^2	0.998856
															m	0.823015		
															b	0.70974		
															bm	0.58413		
1	0.00	18.80	18.8	50	37.5	0.66	22.74	67	18.8	8.233690689	1.274158	0.915595	1.096324	23.67				20.85
2	18.80	35.12	16.32	37.5	30	0.46	15.72	68	35.12	13.1739051	1.545555	1.119715	1.079218	16.11				18.67
3	35.12	53.04	17.92	50	42.5	0.42	14.32	68	53.04	18.11411952	1.724604	1.258017	1.079218	14.67				17.36
4	53.04	59.60	6.56	42.5	40	0.38	13.04	68	59.6	19.76085765	1.775246	1.295806	1.079218	13.36				17.00
5	59.60	81.62	22.02	40	30	0.45	15.53	70	81.62	26.3478102	1.911797	1.420745	1.045801	15.42				16.08
6	81.62	105.05	23.43	50	40	0.43	14.60	70	105.05	32.93476275	2.021396	1.517655	1.045801	14.50				15.38
7	105.05	115.82	10.77	40	35	0.46	15.88	71	115.82	36.22823903	2.063784	1.559047	1.029483	15.52				15.11
8	115.82	145.00	29.18	35	25	0.34	11.72	71	145	42.81519158	2.161368	1.631598	1.029483	11.46				14.53
9	145.00	165.00	20	50	42.5	0.38	12.83	71	165	47.75540599	2.217484	1.679023	1.029483	12.54				14.20
10	165.00	180.07	15.07	42.5	37.5	0.33	11.35	71	180.07	51.04888227	2.255441	1.707986	1.029483	11.09				13.98
11	180.07	200.33	20.26	37.5	30	0.37	12.66	70	200.33	55.98909668	2.301746	1.748103	1.045801	12.57				13.72

**Double Ring Infiltrometer  
Test Results**

Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/24/19  
 Soil Series:  
 Test Depth: 17 Inches

Test Designation: DR-47  
 Test Location: TP-47  
 Inner Ring Dia. (ft): 1.01  
 Outer Ring Dia. (ft): 2.03  
 Inner Ring Area (sqin): 115.37  
 Outer Ring Area (sqin): 350.69  
 Water Temp. (F): 67.53

**Double Ring Infiltrometer  
Test Results**

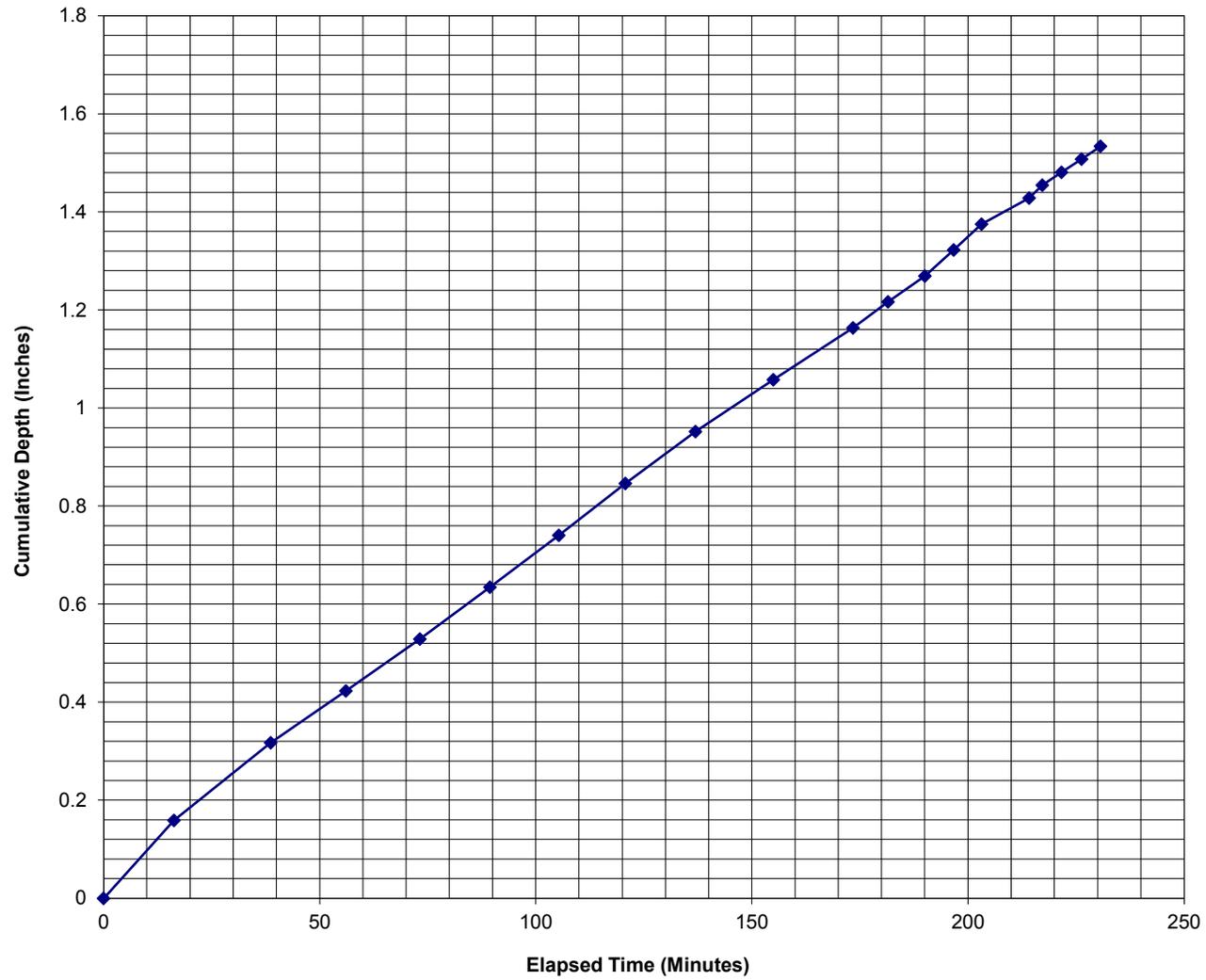
Project: Mountaire Farms  
 W.O.: 4940d  
 Date: 10/24/2019

Test Designation: DR-47  
 Test Location: TP-47

Test K V = 1.087287  
 K V @ 60 = 1.217

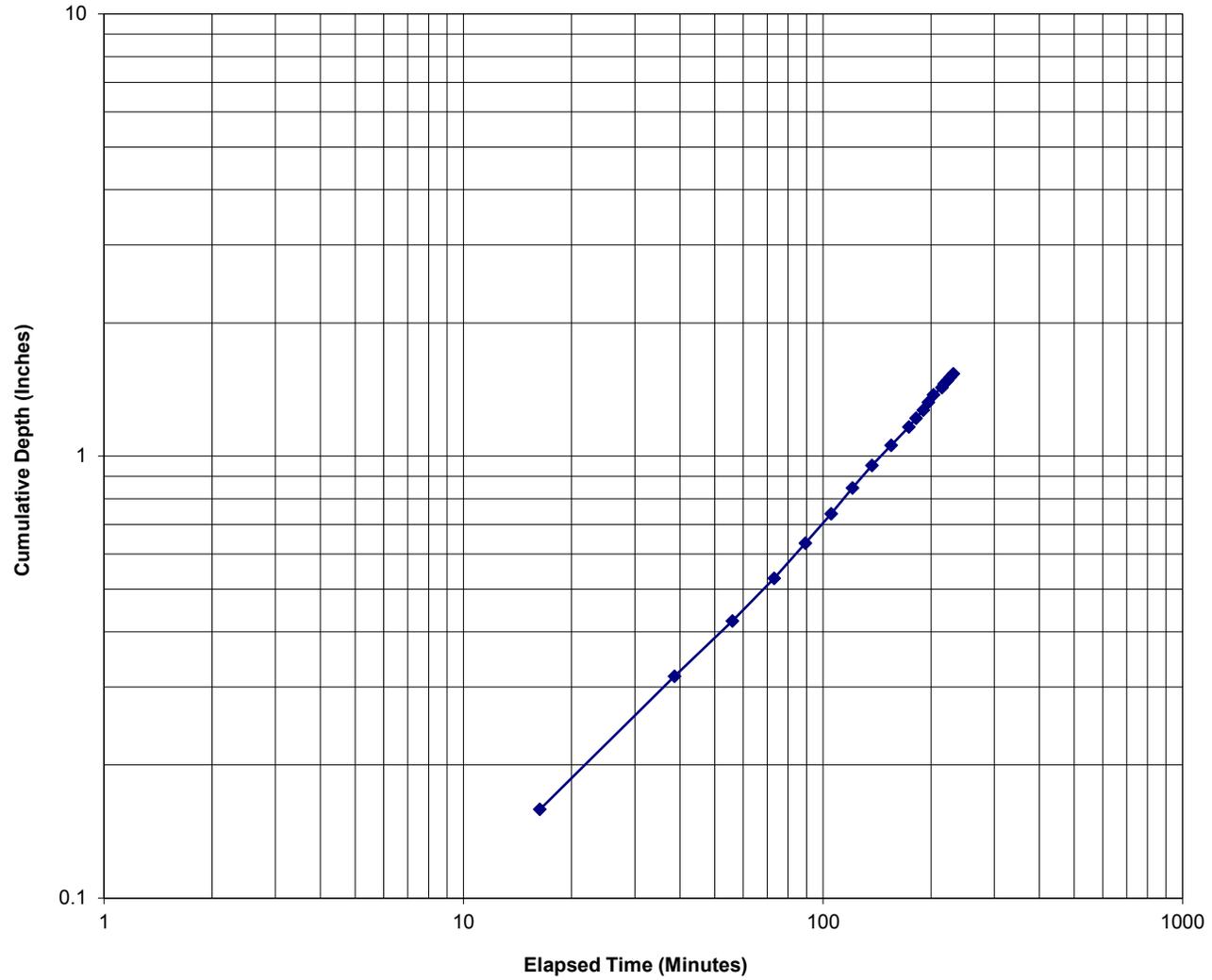
Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (ml)	End Volume (ml)	Flow Rate (ml/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	230.62	Rate	0.34
															m-1	-0.12774	R^2	0.998383
			0			0			0	0								
1	0.00	16.30	16.3	1200	900	18.40	0.52	66	16.3	0.15867128	1.212188	-0.7995	1.113702	0.53				0.48
2	16.30	38.66	22.36	900	600	13.42	0.38	66	38.66	0.31734257	1.587262	-0.49847	1.113702	0.39				0.43
3	41.50	58.90	17.4	1400	1200	11.49	0.33	67	56.06	0.42312342	1.748653	-0.37353	1.096324	0.33				0.41
4	58.90	75.99	17.09	1200	1000	11.70	0.33	67	73.15	0.52890428	1.864214	-0.27662	1.096324	0.33				0.40
5	75.99	92.26	16.27	1000	800	12.29	0.35	67	89.42	0.63468514	1.951435	-0.19744	1.096324	0.35				0.39
6	92.26	108.20	15.94	800	600	12.55	0.36	67	105.36	0.74046599	2.022676	-0.13049	1.096324	0.36				0.38
7	108.20	123.59	15.39	600	400	13.00	0.37	67	120.75	0.84624685	2.081887	-0.0725	1.096324	0.37				0.37
8	124.38	140.59	16.21	1400	1200	12.34	0.35	68	136.96	0.95202771	2.136594	-0.02135	1.079218	0.35				0.37
9	140.59	158.59	18	1200	1000	11.11	0.32	68	154.96	1.05780856	2.19022	0.024407	1.079218	0.31				0.36
10	158.59	177.01	18.42	1000	800	10.86	0.31	68	173.38	1.16358942	2.238999	0.0658	1.079218	0.31				0.35
11	177.01	185.14	8.13	800	700	12.30	0.35	68	181.51	1.21647985	2.258901	0.085105	1.079218	0.35				0.35
12	185.14	193.66	8.52	700	600	11.74	0.33	68	190.03	1.26937027	2.278822	0.103588	1.079218	0.33				0.35
13	193.66	200.30	6.64	600	500	15.06	0.43	68	196.67	1.3222607	2.293738	0.121317	1.079218	0.42				0.35
14	200.30	206.78	6.48	500	400	15.43	0.44	68	203.15	1.37515113	2.307817	0.13835	1.079218	0.43				0.35
15	207.38	218.37	10.99	1400	1300	9.10	0.26	68	214.14	1.42804156	2.330698	0.154741	1.079218	0.26				0.34
16	218.37	221.41	3.04	1300	1250	16.45	0.47	68	217.18	1.45448677	2.33682	0.16271	1.079218	0.46				0.34
17	221.41	225.84	4.43	1250	1200	11.29	0.32	68	221.61	1.48093199	2.345589	0.170535	1.079218	0.32				0.34
18	225.84	230.49	4.65	1200	1150	10.75	0.30	68	226.26	1.5073772	2.354608	0.178222	1.079218	0.30				0.34
19	230.49	234.85	4.36	1150	1100	11.47	0.33	68	230.62	1.53382241	2.362897	0.185775	1.079218	0.32				0.34

**Mountaire Farms of Delaware  
Infiltrometer Test DR-47**



**EARTH DATA INCORPORATED**

**Mountaire Farms of Delaware  
Infiltrometer Test DR-47**



**EARTH DATA INCORPORATED**

**Double Ring Infiltrometer  
Outer Ring Test Results**

**Double Ring Infiltrometer  
Test Results**

Project:	Mountaire Farms	Test Designation:	DR-47	Project:	Mountaire Farms	Test Designation:	DR-47
		Test Location:	TP-47	W.O.:	4940d	Test Location:	TP-47
W.O.:	4940d	Inner Ring Dia. (ft):	1.01	Date:	10/24/2019		
		Outer Ring Dia. (ft):	2.03				
Date:	10/24/19	Inner Ring Area (sqin):	115.37	Test K V =	1.090592		
Soil Series:		Outer Ring Area (sqin):	350.69	K V @ 60 =	1.217		
Test Depth:	17 Inches	Water Temp. (F):	67.33				

Step	Start Time (min)	End Time (min)	Test Time (min)	Start Volume (gal)	End Volume (gal)	Flow Rate (gal/min)	Infiltration Rate 60 F (in/hr)	Test Temp (F)	Ctime x	Cin y	Log time log x	Log in log y	Test KV	Infiltration Rate Test (F)	t (min)	207.38	Rate	1.73
															m-1	0.205071	R^2	0.883887
			0			0			0	0					bm	0.00967		
1	0.00	92.26	92.26	50	47.5	0.03	0.96	66	92.26	1.646738138	1.965013	0.216625	1.113702	0.98				1.47
2	92.26	124.38	32.12	47.5	45	0.08	2.76	68	124.38	3.293476275	2.094751	0.517655	1.079218	2.73				1.56
3	124.38	207.38	83	45	43	0.02	0.85	68	207.38	4.610866786	2.316767	0.663783	1.079218	0.84				1.73