

Appendix 11H-2 Regression Constants a and b for Virginia

COUNTY	#	2 YEAR		10 YEAR		100 YEAR	
		A	B	A	B	A	B
Arlington	00	119.34	17.86	178.78	20.66	267.54	22.32
Accomack	01	107.75	14.69	175.90	20.64	277.44	24.82
Albemarle	02	106.02	15.51	161.60	18.73	244.82	20.81
Allegheny	03	95.47	13.98	145.89	17.27	220.94	19.29
Amelia	04	112.68	15.11	173.16	18.81	266.77	22.13
Amherst	05	106.72	15.39	162.75	18.83	245.52	21.02
Appomattox	06	109.11	15.39	167.44	19.12	254.03	21.61
Augusta	07	84.21	10.44	135.74	14.54	210.02	16.99
Bedford	09	114.59	17.21	171.51	20.47	258.17	22.80
Bland	10	105.33	16.56	162.75	20.41	247.84	22.87
Botetourt	11	110.32	16.95	164.94	20.01	247.92	22.16
Brunswick	12	126.74	17.27	190.73	21.52	287.02	24.46
Buchanan	13	87.14	13.22	128.51	15.15	189.98	16.22
Buckingham	14	109.95	15.41	168.28	19.11	254.59	21.47
Campbell	15	110.26	15.76	167.27	19.18	252.65	21.56
Caroline	16	121.21	17.33	182.56	20.88	275.65	23.30
Carroll	17	119.79	18.65	188.13	23.81	288.94	27.06
Charles City	18	124.23	17.14	186.52	21.05	281.04	23.85
Charlotte	19	109.87	14.71	171.75	19.25	265.18	22.56
Chesterfield	20	124.66	17.55	186.15	21.03	277.94	23.26
Clarke	21	94.13	12.88	141.03	15.39	210.66	16.85
Craig	22	106.67	16.54	166.19	20.94	251.27	22.95
Culpeper	23	111.90	16.25	169.78	19.51	255.26	21.52
Cumberland	24	111.34	15.29	172.73	19.29	271.55	24.02
Dickenson	25	87.03	13.10	128.09	14.82	190.08	15.98
Dinwiddie	26	125.08	17.29	189.77	21.51	284.68	24.02
Essex	28	119.70	16.76	180.50	20.18	271.79	22.58
Fairfax	29	117.06	17.34	178.32	20.49	269.23	22.40
Fauquier	30	116.55	17.52	172.47	20.02	255.06	21.38
Floyd	31	121.22	19.16	185.59	23.38	281.91	26.26

Source: Virginia Stormwater Management Handbook, 1st Ed., Vol. II, 1999.

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		A	B	A	B	A	B
Frederick	34	93.79	13.15	141.02	15.77	211.40	17.42
Giles	35	106.14	16.72	165.04	20.80	252.79	23.46
Gloucester	36	119.62	16.09	182.54	20.40	276.43	23.35
Goochland	37	114.42	15.95	177.24	19.93	269.07	22.27
Grayson	38	119.29	18.94	176.02	22.06	262.24	24.25
Green	39	105.71	15.10	159.92	18.20	241.18	20.34
Greensville	40	129.97	17.80	194.08	22.01	291.37	24.83
Halifax	41	111.92	15.14	173.81	19.52	267.09	22.70
Hanover	42	122.80	17.29	185.01	20.91	278.40	23.40
Henrico	43	123.51	17.35	185.51	21.13	277.61	23.44
Henry	44	116.19	17.33	177.84	21.34	270.32	24.01
Highland	45	90.13	12.61	134.38	15.02	199.74	16.50
Isle of Wight	46	125.69	17.02	190.34	21.71	287.14	24.73
James City	47	121.86	16.58	185.06	20.81	279.14	23.67
King George	48	120.31	17.28	181.05	20.50	273.29	22.83
King & Queen	49	113.84	15.29	179.09	19.95	275.98	23.15
King William	50	114.92	15.58	180.36	20.13	277.03	23.26
Lancaster	51	109.80	14.49	170.27	18.72	259.78	21.41
Lee	52	93.78	14.40	143.28	17.58	215.10	19.22
Loudoun	53	104.05	14.91	157.67	17.71	237.83	19.65
Louisa	54	112.63	15.89	174.35	19.72	265.20	22.11
Lunenburg	55	122.01	16.82	184.70	20.80	278.38	23.48
Madison	56	106.87	15.33	161.43	18.49	242.78	20.62
Mathews	57	118.61	15.83	180.56	20.17	274.12	23.29
Mecklenberg	58	121.77	16.55	184.54	20.74	278.33	23.48
Middlesex	59	110.72	14.57	172.76	19.15	264.49	22.13
Montgomery	60	118.78	19.21	176.95	22.39	262.93	24.17
Nelson	62	103.46	14.52	160.23	18.36	245.04	20.89
New Kent	63	121.03	16.58	183.93	20.72	277.89	23.51
Norfolk	64	124.88	17.02	190.64	22.14	288.73	25.60

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COUNTY	#	2 YEAR		10 YEAR		100 YEAR	
		A	B	A	B	A	B
Northampton	65	111.07	14.78	173.72	19.63	267.48	23.04
Northumberland	66	111.20	14.99	171.55	19.00	260.59	21.63
Nottoway	67	122.38	17.06	183.97	20.87	275.78	23.19
Orange	68	116.77	16.63	178.14	20.19	270.55	22.72
Page	69	84.19	10.29	135.43	14.29	209.57	16.86
Patrick	70	123.68	19.26	189.08	23.60	284.78	26.12
Powhatan	72	114.14	15.64	175.93	19.65	266.86	22.15
Pittsylvania	71	112.30	16.02	173.58	20.27	263.51	22.98
Prince Edward	73	111.01	15.06	172.73	19.29	264.28	22.20
Prince George	74	126.22	17.46	188.62	21.39	283.12	24.09
Virginia Beach	75	129.20	17.84	196.25	22.74	294.74	26.33
Prince William	76	116.04	17.08	176.18	20.19	266.75	22.36
Pulaski	77	117.44	18.71	182.33	23.39	279.39	26.49
Rappahannock	78	104.86	15.05	159.40	18.34	239.30	20.19
Richmond	79	117.41	16.23	177.35	19.85	267.20	22.24
Roanoke	80	117.53	18.79	174.97	21.80	261.95	23.81
Rockbridge	81	84.23	10.46	143.41	15.89	229.43	19.56
Rockingham	82	83.83	10.55	128.80	13.37	195.24	15.29
Russell	83	92.64	14.17	143.00	17.32	216.40	19.36
Scott	84	92.64	14.17	143.00	17.32	216.40	19.36
Smyth	86	106.19	16.57	169.30	21.37	262.49	24.57
Southampton	87	129.91	17.77	195.84	22.34	294.40	25.43
Spotsylvania	88	117.31	16.86	179.21	20.48	269.84	22.55
Stafford	89	118.72	17.34	179.62	20.64	270.74	22.79
Surry	90	124.79	16.97	188.62	21.39	283.36	24.16
Sussex	91	130.37	18.03	193.23	21.91	287.99	24.56
Tazewell	92	91.25	13.56	141.61	17.04	217.59	19.48
Warren	93	89.03	11.53	137.69	14.73	210.46	16.87
Washington	95	106.65	16.86	162.19	20.02	244.60	21.98
Westmoreland	96	114.40	15.76	174.96	19.47	266.16	22.12

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Chapter 11 – Stormwater Management

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COUNTY	#	<u>2 YEAR</u>		<u>10 YEAR</u>		<u>100 YEAR</u>	
		A	B	A	B	A	B
Wise	97	89.83	13.49	132.05	15.44	194.10	16.35
Wythe	98	116.78	18.83	174.91	22.13	261.68	24.25
York	99	122.93	16.72	186.78	21.22	282.80	24.39

CITIES	#'s	<u>2 YEAR</u>		<u>10 YEAR</u>		<u>100 YEAR</u>	
		A	B	A	B	A	B
Richmond	127/43	122.47	17.10	185.51	21.13	278.85	23.60
Hampton	114/27	123.93	16.94	186.78	21.22	283.18	24.56
Lynchburg	118/15	107.39	15.15	166.87	19.37	255.02	22.08
Suffolk	133/61	129.97	17.80	196.63	22.61	298.69	26.35
Newport News	121/94	126.11	17.37	189.27	21.62	285.24	24.71

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