

# Appendix G Land Use Classification Within the Christina River Basin

**LAND USE CLASSIFICATION WITHIN THE CHRISTINA RIVER BASIN**  
 Delaware Source Water Assessment and Protection Program

LAND USE (% OF D.A.)

No.	ID	Subwatershed	Drainage Area (Acres)	Drainage Area (Sq. Mi.)	Single Family Residential	Multi - Family Residential	Office	Industrial	Transport/ Utility	Commercial	Institutional	Public/Private Open Space	Wooded	Agricultural	Mining	Water	Vacant/Bare	% Urban/ Suburban
<b>Brandywine Creek Watershed</b>																		
1	B1	Upper West Branch at Honey Brook	11,833.60	13.49	6.78	0.23	0.00	0.00	0.23	0.76	0.46	0.04	20.31	67.25	0.22	0.19		2.64
2	B2	Upper West Branch at Hibernia	16,665.60	26.04	20.98	0.72	0.00	0.06	1.52	0.34	0.43	1.09	42.40	34.51	0.69	1.13		1.12
3	B3	Lower West Branch at Coatesville	11,289.60	17.64	18.46	2.83	0.00	4.33	3.74	1.34	1.04	0.60	36.29	28.25	0.34	0.36		2.01
4	B4	Lower West Branch at Embreeville	10,927.60	17.09	7.29	0.00	0.00	0.00	1.52	0.08	1.12	0.00	53.35	51.95	0.00	1.20		1.52
5	B5	Black Run	17,619.20	27.53	10.28	0.15	0.00	0.00	1.47	0.00	0.36	0.12	32.97	38.08	0.04	0.47		1.52
6	B6	Doe Run	14,444.80	22.57	2.78	0.00	0.00	0.00	1.17	0.74	0.10	0.05	17.20	77.67	0.00	0.32		0.49
7	B7	Broad Creek	4,121.60	6.44	28.15	1.10	0.00	0.00	0.99	0.32	0.47	0.40	28.52	37.24	0.00	0.15		1.18
8	B8	Upper East Branch at Struble Creek	21,145.60	33.04	14.10	0.42	0.00	0.18	0.89	0.18	0.16	0.42	36.72	44.10	0.00	1.69		1.05
9	B9	Upper East Branch at Sharnock Creek	6,400.00	10.90	27.02	1.00	0.00	1.28	2.11	0.85	1.21	1.22	36.76	25.16	0.00	0.85		2.34
10	B10	Lower East Branch	13,395.20	20.93	23.73	2.47	0.00	1.73	1.83	2.29	0.40	3.37	36.89	25.12	0.25	0.94		1.55
11	B11	Marsh Creek	12,792.20	19.98	12.15	0.00	0.00	0.07	1.98	0.59	0.12	0.34	39.28	34.60	0.12	4.51		1.19
12	B12	Bever Creek	11,577.60	18.69	23.93	2.53	0.00	0.36	1.59	2.95	1.42	2.13	39.91	33.37	0.00	0.20		3.76
13	B13	Valley Creek	13,216.00	20.65	26.81	3.18	0.00	1.42	4.54	3.48	1.62	2.00	33.35	18.92	1.77	0.43		3.08
14	B14	Main Stem above Chadds Ford	15,718.40	24.56	28.48	1.46	0.00	0.06	1.41	1.05	1.65	1.78	39.26	31.96	0.00	0.95		2.00
15	B15	Peconage Creek	5,819.60	9.14	25.29	0.46	0.00	0.00	0.22	0.16	0.18	1.19	22.21	48.69	0.00	0.28		0.65
16	B16	Main Stem below Chadds Ford	16,974.40	26.46	19.27	0.60	0.28	0.12	0.92	4.33	1.43	20.48	34.18	17.36	0.00	1.12		0.13
17	B17	Main Stem through Wilmington	3,878.40	6.06	5.79	20.05	2.88	19.28	7.83	6.97	6.32	13.00	13.86	1.57	0.00	2.54		0.00
		Subtotal =	207,814.40	324.71	17.39	1.39	0.08	0.90	1.85	1.41	0.42	2.74	31.79	19.21	0.19	1.05		1.45
<b>Red Clay Creek Watershed</b>																		
18	R1	West Branch	11,180.80	17.47	13.84	0.34	0.00	1.17	0.49	1.17	1.42	0.26	21.37	58.49	0.00	0.41		1.47
19	R2	East Branch	6,174.40	9.95	19.41	0.38	0.00	0.00	0.86	2.53	0.85	3.83	22.40	47.35	0.25	0.29		1.99
20	R3	Boroughs Run	4,550.40	7.11	26.73	0.00	0.00	0.00	0.37	0.12	0.40	1.92	25.07	42.50	0.00	0.16		3.17
21	R4	Main Stem above Woodside	7,268.80	12.45	38.87	0.00	0.16	0.32	0.28	0.65	0.47	6.25	33.05	14.67	0.00	3.14		0.00
22	R5	Main Stem below Woodside	4,550.40	7.11	55.36	2.13	0.68	0.45	3.76	7.71	3.46	11.34	13.85	1.22	0.00	1.03		0.00
		Subtotal =	34,624.00	54.10	27.77	0.46	0.13	0.51	0.92	1.99	1.05	3.97	24.07	36.73	0.05	1.33		1.26
<b>White Clay Creek Watershed</b>																		
23	W1	West Branch	6,515.20	10.18	17.52	0.00	0.00	0.00	1.33	0.44	0.56	0.00	26.21	51.83	0.00	0.08		2.64
24	W2	Middle Branch	10,156.80	15.87	16.38	0.00	0.00	0.00	0.93	0.51	0.05	0.07	24.84	55.85	0.00	0.57		0.81
25	W3	East Branch above Avondale	11,293.60	18.74	6.37	0.00	0.00	0.05	2.02	1.16	0.17	1.28	22.38	65.21	0.00	0.42		0.92
26	W4	East Branch below Avondale	9,174.20	14.33	21.19	0.00	0.00	0.65	0.12	0.76	0.44	0.58	32.04	41.82	0.03	1.12		1.20
27	W5	Mill Creek	8,268.80	12.92	49.46	4.35	1.12	0.00	3.10	4.41	4.78	10.24	11.80	11.00	0.00	3.00		0.00
28	W6	Fife Creek	4,249.60	6.64	55.65	7.53	0.00	0.00	2.39	1.58	2.43	9.15	12.91	8.43	0.00	0.00		0.00
29	W7	Middle Run	2,489.60	3.89	29.37	0.00	0.13	0.06	2.27	0.48	1.39	3.27	42.15	29.38	0.00	0.00		0.00
30	W8	Main Stem above Newark	6,476.80	10.12	15.12	2.03	1.53	0.17	0.58	0.16	1.21	4.72	54.18	19.65	0.00	0.76		0.00
31	W9	Main Stem above Delaware Park	5,292.00	8.05	33.46	7.92	1.25	2.25	7.27	10.36	6.50	9.46	10.41	9.10	0.00	0.00		0.00
32	W10	Main Stem at Charlemagne Marsh	3,526.40	5.51	13.18	2.67	5.59	0.38	11.06	18.43	5.86	16.20	13.08	4.22	0.00	9.33		0.00
		Subtotal =	68,640.00	107.25	23.11	1.99	0.67	0.23	2.48	7.95	1.89	4.31	24.77	53.93	0.00	0.94		0.64
<b>Christina River Watershed</b>																		
33	C1	East/West Branch above Coosda Bridge	32,478.00	51.66	28.23	2.40	0.18	2.24	5.01	4.79	0.99	6.59	26.97	24.05	0.00	0.09		0.00
34	C2	Muddy Run	5,542.40	8.66	19.35	2.65	0.00	1.63	3.73	1.92	1.25	10.62	38.39	15.44	0.00	1.11		3.92
35	C3	Pelltown Run	4,115.20	6.43	29.37	9.75	0.00	0.00	3.04	5.41	0.53	8.04	34.22	8.53	0.00	0.84		0.00
36	C4	Little Mill Creek	5,907.20	9.23	36.83	11.65	3.45	5.23	4.69	5.94	4.78	11.76	34.27	0.83	0.00	0.60		0.00
37	C5	Main Stem above Smiley's Pond	6,828.80	10.67	28.01	8.74	1.12	0.00	6.08	10.28	0.88	6.98	23.05	10.23	0.09	0.34		0.00
38	C6	Main Stem Lower Total	14,048.00	21.95	15.28	6.94	0.00	8.48	16.18	10.59	1.78	20.08	12.52	1.80	0.00	4.07		0.00
		Subtotal =	49,920.00	78.00	24.18	6.25	0.61	4.66	7.98	20.64	1.84	31.62	21.55	12.01	0.06	1.31		1.08
		<b>Totals =</b>	<b>360,938.40</b>	<b>564.06</b>	<b>92.96</b>	<b>10.08</b>	<b>1.48</b>	<b>5.71</b>	<b>13.24</b>	<b>13.39</b>	<b>5.39</b>	<b>22.63</b>	<b>102.18</b>	<b>123.87</b>	<b>0.24</b>	<b>4.63</b>		<b>4.43</b>