

Annual Pollution Load Removal

Watershed #	0	1	2	3
Watershed Name	MR inside City Limit	Wright Avenue	HR main stem Inside City	NE Upper HR at City Limit
Annual Rainfall (Inches)	38.4	38.4	38.4	38.4
Watershed Area (Acres)	2,755.04	640.81	5,829.56	1,710.24
% Imperviousness	40.74	40.28	35.55	26.76
Runoff Coefficient	0.4167	0.4125	0.3700	0.2908
Annual Runoff to the site, Ac-ft	3,306.14	761.28	6,211.87	1,432.33
Pollutant Load (Pounds/year)				
Total Cadmium	6.03	1.39	11.32	2.61
Total Copper	422.66	97.32	794.13	183.11
Total Lead	359.71	82.83	675.85	155.84
Total Zinc	1,187.04	273.33	2,230.31	514.27
Ammonia Nitrogen	4,766.13	1,097.46	8,955.03	2,064.85
Nitrite-Nitrate Nitrogen	9,981.89	2,298.45	18,754.88	4,324.51
Total Kjeldahl Nitrogen	21,132.83	4,866.09	39,706.28	9,155.48
Total Phosphorus	2,697.81	621.20	5,068.89	1,168.79
Suspended Solids	998,188.76	229,845.25	1,875,488.28	432,450.52
BOD 5-Day	116,904.99	26,918.81	219,651.78	50,647.36
Oil & Grease	44,963.46	10,353.39	84,481.45	19,479.75
Fluoride	1,169.05	269.19	2,196.52	506.47
Chloride	215,824.60	49,696.27	405,510.98	93,502.81

Annual Pollution Load Removal

Watershed #	4	5	6	7	8
Watershed Name	Chinquapin at City Limit	WR Inside City Limit	JF Main Stem Inside City	SR Total	Middle Branch
Annual Rainfall (Inches)	38.4	38.4	38.4	38.4	38.4
Watershed Area (Acres)	1,350.94	2,071.77	6,961.19	2,214.93	4,223.42
% Imperviousness	39.75	37.30	42.33	34.61	54.41
Runoff Coefficient	0.4078	0.3857	0.4310	0.3615	0.5397
Annual Runoff to the site, Ac-ft	1,586.47	2,301.27	8,639.82	2,305.93	6,564.94
Pollutant Load (Pounds/year)					
Total Cadmium	2.89	4.19	15.75	4.20	11.96
Total Copper	202.81	294.19	1,104.51	294.79	839.26
Total Lead	172.61	250.38	940.01	250.89	714.27
Total Zinc	569.61	826.25	3,102.04	827.92	2,357.08
Ammonia Nitrogen	2,287.06	3,317.51	12,455.16	3,324.23	9,464.02
Nitrite-Nitrate Nitrogen	4,789.88	6,947.99	26,085.34	6,962.06	19,820.87
Total Kjeldahl Nitrogen	10,140.74	14,709.70	55,225.72	14,739.50	41,963.11
Total Phosphorus	1,294.56	1,877.83	7,050.09	1,881.64	5,356.99
Suspended Solids	478,988.29	694,798.78	2,608,534.03	696,205.97	1,982,087.49
BOD 5-Day	56,097.73	81,372.83	305,503.99	81,537.64	232,136.37
Oil & Grease	21,576.05	31,297.24	117,501.53	31,360.63	89,283.22
Fluoride	560.98	813.73	3,055.04	815.38	2,321.36
Chloride	103,565.04	150,226.76	564,007.36	150,531.02	428,559.46

Annual Pollution Load Removal

Watershed #	9	10	11	12	13
Watershed Name	SW Harbor	Inner Harbor	East Patapsco	PM inside City Limit	MC inside City Limit
Annual Rainfall (Inches)	38.4	38.4	38.4	38.4	38.4
Watershed Area (Acres)	4,005.79	3,849.13	3,231.78	1,656.33	2,035.33
% Imperviousness	62.38	63.09	62.28	48.61	42.14
Runoff Coefficient	0.6115	0.6178	0.6105	0.4875	0.4292
Annual Runoff to the site, Ac-ft	7,054.24	6,849.13	5,682.57	2,325.53	2,516.08
Pollutant Load (Pounds/year)					
Total Cadmium	12.86	12.48	10.36	4.24	4.59
Total Copper	901.81	875.59	726.46	297.30	321.66
Total Lead	767.50	745.19	618.26	253.02	273.75
Total Zinc	2,532.75	2,459.11	2,040.27	834.96	903.37
Ammonia Nitrogen	10,169.39	9,873.71	8,192.00	3,352.48	3,627.18
Nitrite-Nitrate Nitrogen	21,298.16	20,678.89	17,156.82	7,021.24	7,596.54
Total Kjeldahl Nitrogen	45,090.70	43,779.64	36,323.01	14,864.78	16,082.77
Total Phosphorus	5,756.26	5,588.89	4,636.98	1,897.63	2,053.12
Suspended Solids	2,129,815.93	2,067,889.40	1,715,682.44	702,123.75	759,654.23
BOD 5-Day	249,437.90	242,185.25	200,935.78	82,230.71	88,968.51
Oil & Grease	95,937.65	93,148.17	77,282.99	31,627.20	34,218.66
Fluoride	2,494.38	2,421.85	2,009.36	822.31	889.69
Chloride	460,500.74	447,111.22	370,958.36	151,810.54	164,249.56

Annual Pollution Load Removal

Watershed #	14	15	16	17	18
Watershed Name	GF Main Stem Inside City	North Gwynns Run	DR Inside City Limit	South Gwynns Run	Watershed 263
Annual Rainfall (Inches)	38.4	38.4	38.4	38.4	38.4
Watershed Area (Acres)	4,996.64	2,049.25	832.15	1,375.70	924.63
% Imperviousness	32.40	42.56	34.74	55.06	54.93
Runoff Coefficient	0.3416	0.4331	0.3627	0.5455	0.5444
Annual Runoff to the site, Ac-ft	4,915.84	2,555.83	869.20	2,161.35	1,449.57
Pollutant Load (Pounds/year)					
Total Cadmium	8.96	4.66	1.58	3.94	2.64
Total Copper	628.44	326.74	111.12	276.31	185.31
Total Lead	534.84	278.07	94.57	235.16	157.71
Total Zinc	1,764.98	917.65	312.08	776.01	520.45
Ammonia Nitrogen	7,086.68	3,684.49	1,253.04	3,115.81	2,089.70
Nitrite-Nitrate Nitrogen	14,841.91	7,716.56	2,624.30	6,525.56	4,376.54
Total Kjeldahl Nitrogen	31,422.06	16,336.87	5,555.95	13,815.37	9,265.64
Total Phosphorus	4,011.33	2,085.56	709.27	1,763.66	1,182.85
Suspended Solids	1,484,190.69	771,656.34	262,429.83	652,555.77	437,653.69
BOD 5-Day	173,824.13	90,374.17	30,735.03	76,425.45	51,256.74
Oil & Grease	66,855.44	34,759.29	11,821.16	29,394.40	19,714.13
Fluoride	1,738.24	903.74	307.35	764.25	512.57
Chloride	320,906.09	166,844.61	56,741.59	141,093.14	94,627.82

Annual Pollution Load Removal

Watershed #	19	20	21
Watershed Name	Biddison Run	Total City Land Only	Total City Land and Water
Annual Rainfall (Inches)	38.4	38.4	38.4
Watershed Area (Acres)	798.83	51,790.00	58,831.77
% Imperviousness	33.32	45.13	39.73
Runoff Coefficient	0.3499	0.4562	0.4076
Annual Runoff to the site, Ac-ft	804.93	68,039.83	69,053.85
Pollutant Load (Pounds/year)			
Total Cadmium	1.47	124.00	125.84
Total Copper	102.90	8,698.21	8,827.84
Total Lead	87.58	7,402.73	7,513.06
Total Zinc	289.00	24,429.02	24,793.09
Ammonia Nitrogen	1,160.38	98,086.22	99,548.02
Nitrite-Nitrate Nitrogen	2,430.24	205,425.86	208,487.37
Total Kjeldahl Nitrogen	5,145.10	434,910.60	441,392.18
Total Phosphorus	656.82	55,520.50	56,347.94
Suspended Solids	243,023.82	20,542,585.75	20,848,737.02
BOD 5-Day	28,462.25	2,405,888.42	2,441,743.98
Oil & Grease	10,947.02	925,341.70	939,132.30
Fluoride	284.62	24,058.88	24,417.44
Chloride	52,545.69	4,441,640.16	4,507,835.03