

## Organics Reduction Charts: Bioretention

	% Area Treated	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
	Acres	234.7	469.4	704.1	938.8	1173.5	1408.2	1642.9	1877.6	2112.3	2347
<b>Chlordane</b>	Load Reduction (lbs/year)	0.003	0.007	0.010	0.014	0.017	0.021	0.024	0.028	0.031	0.035
	% Change	8.1%	16.2%	24.3%	32.4%	40.5%	48.6%	56.7%	64.8%	72.9%	81.0%
<b>DDT</b>	Load Reduction (lbs/year)	0.02	0.03	0.05	0.06	0.08	0.09	0.11	0.12	0.14	0.15
	% Change	8.1%	16.2%	24.3%	32.4%	40.5%	48.6%	56.7%	64.8%	72.9%	81.0%
<b>Dieldrin</b>	Load Reduction (lbs/year)	3.64E-05	7.27E-05	1.09E-04	1.45E-04	1.82E-04	2.18E-04	2.55E-04	2.91E-04	3.27E-04	3.64E-04
	% Change	0.9%	1.8%	2.7%	3.6%	4.5%	5.4%	6.3%	7.2%	8.1%	9.0%
<b>Heptachlor Epoxide</b>	Load Reduction (lbs/year)	5.35E-04	1.07E-03	1.60E-03	2.14E-03	2.67E-03	3.21E-03	3.74E-03	4.28E-03	4.81E-03	5.35E-03
	% Change	8.1%	16.1%	24.2%	32.3%	40.3%	48.4%	56.5%	64.5%	72.6%	80.7%
<b>PAH1</b>	Load Reduction (lbs/year)	0.11	0.21	0.32	0.42	0.53	0.63	0.74	0.84	0.95	1.05
	% Change	2.7%	5.4%	8.1%	10.8%	13.4%	16.1%	18.8%	21.5%	24.2%	26.9%
<b>PAH2</b>	Load Reduction (lbs/year)	3.57	7.14	10.71	14.29	17.86	21.43	25.00	28.57	32.14	35.72
	% Change	15.6%	31.2%	46.8%	62.4%	78.0%	93.6%	109.2%	124.8%	140.4%	156.0%
<b>PAH3</b>	Load Reduction (lbs/year)	1.24	2.48	3.73	4.97	6.21	7.45	8.69	9.93	11.18	12.42
	% Change	8.6%	17.1%	25.7%	34.3%	42.8%	51.4%	59.9%	68.5%	77.1%	85.6%
<b>TCPB</b>	Load Reduction (lbs/year)	0.04	0.08	0.12	0.17	0.21	0.25	0.29	0.33	0.37	0.41
	% Change	11.3%	22.6%	34.0%	45.3%	56.6%	67.9%	79.2%	90.6%	101.9%	113.2%

## Organics Reduction Charts: Porous Pavement

	% Area Treated	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
	Acres	91.9	183.8	275.7	367.6	459.5	551.4	643.3	735.2	827.1	919
<b>Chlordane</b>	Load Reduction (lbs/year)	0.001	0.003	0.004	0.005	0.007	0.008	0.009	0.011	0.012	0.013
	% Change	3.1%	6.3%	9.4%	12.5%	15.7%	18.8%	21.9%	25.1%	28.2%	31.3%
<b>DDT</b>	Load Reduction (lbs/year)	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.05	0.06	0.06
	% Change	8.1%	16.2%	24.3%	32.4%	40.5%	48.6%	56.7%	64.8%	72.9%	81.0%
<b>Dieldrin</b>	Load Reduction (lbs/year)	1.58E-05	3.16E-05	4.75E-05	6.33E-05	7.91E-05	9.49E-05	1.11E-04	1.27E-04	1.42E-04	1.58E-04
	% Change	0.4%	0.8%	1.2%	1.6%	2.0%	2.3%	2.7%	3.1%	3.5%	3.9%
<b>Heptachlor Epoxide</b>	Load Reduction (lbs/year)	2.22E-04	4.45E-04	6.67E-04	8.89E-04	1.11E-03	1.33E-03	1.56E-03	1.78E-03	2.00E-03	2.22E-03
	% Change	3.4%	6.7%	10.1%	13.4%	16.8%	20.1%	23.5%	26.8%	30.2%	33.5%
<b>PAH1</b>	Load Reduction (lbs/year)	0.04	0.09	0.13	0.18	0.22	0.27	0.31	0.35	0.40	0.44
	% Change	1.1%	2.3%	3.4%	4.5%	5.7%	6.8%	7.9%	9.0%	10.2%	11.3%
<b>PAH2</b>	Load Reduction (lbs/year)	1.77	3.53	5.30	7.06	8.83	10.59	12.36	14.12	15.89	17.65
	% Change	7.7%	15.4%	23.1%	30.8%	38.5%	46.3%	54.0%	61.7%	69.4%	77.1%
<b>PAH3</b>	Load Reduction (lbs/year)	0.51	1.03	1.54	2.06	2.57	3.09	3.60	4.12	4.63	5.14
	% Change	3.5%	7.1%	10.6%	14.2%	17.7%	21.3%	24.8%	28.4%	31.9%	35.5%
<b>TPCB</b>	Load Reduction (lbs/year)	0.02	0.03	0.05	0.07	0.09	0.10	0.12	0.14	0.16	0.17
	% Change	4.7%	9.5%	14.2%	19.0%	23.7%	28.5%	33.2%	37.9%	42.7%	47.4%

## Organics Reduction Charts: Extended Detention Shallow Wetland

	% Area Treated	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
	Acres	234.7	469.4	704.1	938.8	1173.5	1408.2	1642.9	1877.6	2112.3	2347
<b>Chlordane</b>	Load Reduction (lbs/year)	0.003	0.007	0.010	0.014	0.017	0.021	0.024	0.028	0.031	0.035
	% Change	6.2%	16.2%	24.3%	32.4%	40.5%	48.6%	56.7%	64.8%	72.9%	81.0%
<b>DDT</b>	Load Reduction (lbs/year)	0.01	0.02	0.03	0.05	0.06	0.07	0.08	0.09	0.10	0.12
	% Change	8.1%	16.2%	24.3%	32.4%	40.5%	48.6%	56.7%	64.8%	72.9%	81.0%
<b>Dieldrin</b>	Load Reduction (lbs/year)	2.83E-05	5.66E-05	8.48E-05	1.13E-04	1.41E-04	1.70E-04	1.98E-04	2.26E-04	2.55E-04	2.83E-04
	% Change	0.7%	1.4%	2.1%	2.8%	3.5%	4.2%	4.9%	5.6%	6.3%	7.0%
<b>Heptachlor Epoxide</b>	Load Reduction (lbs/year)	4.09E-04	8.19E-04	1.23E-03	1.64E-03	2.05E-03	2.46E-03	2.87E-03	3.27E-03	3.68E-03	4.09E-03
	% Change	6.2%	12.3%	18.5%	24.7%	30.9%	37.0%	43.2%	49.4%	55.6%	61.7%
<b>PAH1</b>	Load Reduction (lbs/year)	0.11	0.21	0.32	0.42	0.53	0.63	0.74	0.84	0.95	1.05
	% Change	2.7%	5.4%	8.1%	10.8%	13.4%	16.1%	18.8%	21.5%	24.2%	26.9%
<b>PAH2</b>	Load Reduction (lbs/year)	3.28	6.56	9.84	13.12	16.39	19.67	22.95	26.23	29.51	32.79
	% Change	14.3%	28.6%	43.0%	57.3%	71.6%	85.9%	100.2%	114.5%	128.9%	143.2%
<b>PAH3</b>	Load Reduction (lbs/year)	0.95	1.91	2.86	3.81	4.76	5.72	6.67	7.62	8.58	9.53
	% Change	6.6%	13.1%	19.7%	26.3%	32.9%	39.4%	46.0%	52.6%	59.1%	65.7%
<b>TCPB</b>	Load Reduction (lbs/year)	0.03	0.06	0.10	0.13	0.16	0.19	0.22	0.25	0.29	0.32
	% Change	8.7%	17.4%	26.1%	34.8%	43.4%	52.1%	60.8%	69.5%	78.2%	86.9%

<b>Organics Reduction Charts: Vacuum Sweeping (1/month)</b>											
	% Area Treated	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
	Acres	91.9	183.8	275.7	367.6	459.5	551.4	643.3	735.2	827.1	919
<b>Chlordane</b>	Load Reduction (lbs/year)	0.001	0.003	0.004	0.006	0.007	0.008	0.010	0.011	0.013	0.014
	% Change	3.3%	6.6%	9.9%	13.2%	16.4%	19.7%	23.0%	26.3%	29.6%	32.9%
<b>DDT</b>	Load Reduction (lbs/year)	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.06	0.06
	% Change	8.1%	16.2%	24.3%	32.4%	40.5%	48.6%	56.7%	64.8%	72.9%	81.0%
<b>Dieldrin</b>	Load Reduction (lbs/year)	1.42E-05	2.85E-05	4.27E-05	5.69E-05	7.12E-05	8.54E-05	9.97E-05	1.14E-04	1.28E-04	1.42E-04
	% Change	0.4%	0.7%	1.1%	1.4%	1.8%	2.1%	2.5%	2.8%	3.2%	3.5%
<b>Heptachlor Epoxide</b>	Load Reduction (lbs/year)	2.17E-04	4.34E-04	6.51E-04	8.69E-04	1.09E-03	1.30E-03	1.52E-03	1.74E-03	1.95E-03	2.17E-03
	% Change	3.3%	6.6%	9.8%	13.1%	16.4%	19.7%	22.9%	26.2%	29.5%	32.8%
<b>PAH1</b>	Load Reduction (lbs/year)	0.04	0.09	0.13	0.17	0.21	0.26	0.30	0.34	0.38	0.43
	% Change	1.1%	2.2%	3.3%	4.4%	5.5%	6.6%	7.6%	8.7%	9.8%	10.9%
<b>PAH2</b>	Load Reduction (lbs/year)	1.72	3.44	5.16	6.88	8.60	10.32	12.04	13.76	15.48	17.19
	% Change	7.5%	15.0%	22.5%	30.0%	37.5%	45.1%	52.6%	60.1%	67.6%	75.1%
<b>PAH3</b>	Load Reduction (lbs/year)	0.50	1.01	1.51	2.01	2.52	3.02	3.52	4.03	4.53	5.03
	% Change	3.5%	6.9%	10.4%	13.9%	17.4%	20.8%	24.3%	27.8%	31.2%	34.7%
<b>TCPB</b>	Load Reduction (lbs/year)	0.02	0.03	0.05	0.07	0.08	0.10	0.12	0.14	0.15	0.17
	% Change	4.6%	9.3%	13.9%	18.6%	23.2%	27.8%	32.5%	37.1%	41.7%	46.4%

<b>Organics Reduction Chart: Tree Boxes</b>											
	<b>% Area Treated</b>	<b>10%</b>	<b>20%</b>	<b>30%</b>	<b>40%</b>	<b>50%</b>	<b>60%</b>	<b>70%</b>	<b>80%</b>	<b>90%</b>	<b>100%</b>
	<b>Acres</b>	<b>234.7</b>	<b>469.4</b>	<b>704.1</b>	<b>938.8</b>	<b>1173.5</b>	<b>1408.2</b>	<b>1642.9</b>	<b>1877.6</b>	<b>2112.3</b>	<b>2347</b>
<b>Chlordane</b>	<b>Load Reduction (lbs/year)</b>	0.003	0.007	0.010	0.013	0.016	0.020	0.023	0.026	0.030	0.033
	<b>% Change</b>	7.7%	15.4%	23.1%	30.8%	38.5%	46.2%	53.9%	61.6%	69.3%	77.0%
<b>DDT</b>	<b>Load Reduction (lbs/year)</b>	0.01	0.03	0.04	0.06	0.07	0.09	0.10	0.12	0.13	0.15
	<b>% Change</b>	8.1%	16.2%	24.3%	32.4%	40.5%	48.6%	56.7%	64.8%	72.9%	81.0%
<b>Dieldrin</b>	<b>Load Reduction (lbs/year)</b>	3.64E-05	7.27E-05	1.09E-04	1.45E-04	1.82E-04	2.18E-04	2.55E-04	2.91E-04	3.27E-04	3.64E-04
	<b>% Change</b>	0.9%	1.8%	2.7%	3.6%	4.5%	5.4%	6.3%	7.2%	8.1%	9.0%
<b>Heptachlor Epoxide</b>	<b>Load Reduction (lbs/year)</b>	5.08E-04	1.02E-03	1.53E-03	2.03E-03	2.54E-03	3.05E-03	3.56E-03	4.07E-03	4.58E-03	5.08E-03
	<b>% Change</b>	7.7%	15.3%	23.0%	30.7%	38.3%	46.0%	53.7%	61.3%	69.0%	76.7%
<b>PAH1</b>	<b>Load Reduction (lbs/year)</b>	0.10	0.20	0.30	0.40	0.51	0.61	0.71	0.81	0.91	1.01
	<b>% Change</b>	2.6%	5.2%	7.8%	10.4%	12.9%	15.5%	18.1%	20.7%	23.3%	25.9%
<b>PAH2</b>	<b>Load Reduction (lbs/year)</b>	4.04	8.08	12.12	16.16	20.20	24.24	28.28	32.32	36.36	40.40
	<b>% Change</b>	17.6%	35.3%	52.9%	70.6%	88.2%	105.9%	123.5%	141.1%	158.8%	176.4%
<b>PAH3</b>	<b>Load Reduction (lbs/year)</b>	1.18	2.37	3.55	4.74	5.92	7.10	8.29	9.47	10.66	11.84
	<b>% Change</b>	8.2%	16.3%	24.5%	32.7%	40.8%	49.0%	57.2%	65.3%	73.5%	81.7%
<b>TCPB</b>	<b>Load Reduction (lbs/year)</b>	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.35	0.39
	<b>% Change</b>	10.8%	21.6%	32.4%	43.2%	54.0%	64.8%	75.6%	86.3%	97.1%	107.9%

## Metals Reduction Charts: Bioretention

Area Treated			Copper <i>0.97</i>		Zinc <i>0.95</i>		Arsenic <i>0.8</i>		Lead <i>0.89</i>	
Acres	% Total Impervious Area		Load Reducion	% Change	Load Reducion	% Change	Load Reducion	% Change	Load Reducion	% Change
89	10%		22.3	9.4	65.0	9.2	0.5	7.7	9.9	8.6
184	20%		46.1	19.4	134.4	19.0	1.0	16.0	20.6	17.8
276	30%		69.1	29.1	201.3	28.5	1.5	24.0	30.8	26.7
368	40%		92.1	38.8	268.4	38.0	2.0	32.0	41.1	35.6
460	50%		115.1	48.5	335.5	47.5	2.5	40.0	51.4	44.5
551	60%		138.2	58.2	402.6	57.0	3.0	48.0	61.6	53.4
643	70%		161.2	67.9	469.8	66.5	3.5	56.0	71.9	62.3
735	80%		184.2	77.6	536.9	76.0	4.0	64.0	82.2	71.2
827	90%		207.3	87.3	604.0	85.5	4.5	72.0	92.4	80.1
919	100%		230.3	97.0	671.1	95.0	5.0	80.0	102.7	89.0

## Metals Reduction Charts: Porous Pavement

Area Treated			Copper <i>0.93</i>		Zinc <i>0.92</i>		Arsenic <i>0.85</i>		Lead <i>0.94</i>	
Acres	% Total Impervious Area		Load Reduction (lbs/year)	% Change	Load Reduction (lbs/year)	% Change	Load Reduction (lbs/year)	% Change	Load Reduction (lbs/year)	% Change
92	10%		22.1	9.3	65.0	9.2	0.5	8.5	10.8	9.4
184	20%		44.2	18.6	130.0	18.4	1.1	17.0	21.7	18.8
276	30%		66.2	27.9	195.0	27.6	1.6	25.5	32.5	28.2
368	40%		88.3	37.2	260.0	36.8	2.1	34.0	43.4	37.6
460	50%		110.4	46.5	324.9	46.0	2.7	42.5	54.2	47.0
551	60%		132.5	55.8	389.9	55.2	3.2	51.0	65.1	56.4
643	70%		154.5	65.1	454.9	64.4	3.7	59.5	75.9	65.8
735	80%		176.6	74.4	519.9	73.6	4.3	68.0	86.8	75.2
827	90%		198.7	83.7	584.9	82.8	4.8	76.5	97.6	84.6
919	100%		220.8	93.0	649.9	92.0	5.4	85.0	108.5	94.0

## Metals Reduction Charts: Extended Detention Shallow Wetland

Area Treated			Copper		Zinc		Arsenic		Lead	
			<i>0.68</i>		<i>0.42</i>		<i>0.61</i>		<i>0.75</i>	
Acres	% Total of Impervious Area	Load Reduction (lbs/year)		Load Reduction (lbs/year)		Load Reduction (lbs/year)		Load Reduction (lbs/year)		
			% Change		% Change		% Change		% Change	
92	10%	16.1	6.8	29.7	4.2	0.4	6.1	8.7	7.5	
184	20%	32.3	13.6	59.3	8.4	0.8	12.2	17.3	15.0	
276	30%	48.4	20.4	89.0	12.6	1.2	18.3	26.0	22.5	
368	40%	64.5	27.2	118.7	16.8	1.5	24.4	34.6	30.0	
460	50%	80.6	34.0	148.3	21.0	1.9	30.5	43.3	37.5	
551	60%	96.8	40.8	178.0	25.2	2.3	36.6	51.9	45.0	
643	70%	112.9	47.5	207.7	29.4	2.7	42.7	60.6	52.5	
735	80%	129.0	54.3	237.4	33.6	3.1	48.8	69.2	60.0	
827	90%	145.1	61.1	267.0	37.8	3.5	54.9	77.9	67.5	
919	100%	161.3	67.9	296.7	42.0	3.8	61.0	86.6	75.0	



## Metals Reduction Charts: Tree Boxes

Area Treated		Copper <i>0.83</i>		Zinc <i>0.82</i>		Arsenic <i>0.76</i>		Lead <i>0.84</i>	
Acres	% Total Impervious Area	Load Reduction (lbs/year)	% Change	Load Reduction (lbs/year)	% Change	Load Reduction (lbs/year)	% Change	Load Reduction (lbs/year)	% Change
92	10%	19.7	8.3	57.9	8.2	0.5	7.6	9.7	8.4
184	20%	39.4	16.6	115.8	16.4	1.0	15.2	19.4	16.8
276	30%	59.1	24.9	173.8	24.6	1.4	22.8	29.1	25.2
368	40%	78.8	33.2	231.7	32.8	1.9	30.4	38.8	33.6
460	50%	98.5	41.5	289.6	41.0	2.4	38.0	48.5	42.0
551	60%	118.2	49.8	347.5	49.2	2.9	45.6	58.2	50.4
643	70%	137.9	58.1	405.5	57.4	3.4	53.2	67.9	58.8
735	80%	157.6	66.4	463.4	65.6	3.8	60.8	77.5	67.2
827	90%	177.3	74.7	521.3	73.8	4.3	68.4	87.2	75.6
919	100%	197.0	83.0	579.2	82.0	4.8	76.0	96.9	84.0

## Metals Reduction Charts: Vacuum Sweeping (1/ month)

Area Treated			Copper <i>0.91</i>		Zinc <i>0.85</i>		Arsenic <i>0.83</i>		Lead <i>0.76</i>	
Acres	% Total Impervious Area		Load Reducion	% Change	Load Reducion	% Change	Load Reducion	% Change	Load Reducion	% Change
92	10%		21.6	9.1	60.0	8.5	0.5	8.3	8.8	7.6
184	20%		43.2	18.2	120.1	17.0	1.0	16.6	17.5	15.2
276	30%		64.8	27.3	180.1	25.5	1.6	24.9	26.3	22.8
368	40%		86.4	36.4	240.2	34.0	2.1	33.2	35.1	30.4
460	50%		108.0	45.5	300.2	42.5	2.6	41.5	43.9	38.0
551	60%		129.6	54.6	360.3	51.0	3.1	49.8	52.6	45.6
643	70%		151.2	63.7	420.3	59.5	3.7	58.1	61.4	53.2
735	80%		172.8	72.8	480.4	68.0	4.2	66.4	70.2	60.8
827	90%		194.4	81.9	540.4	76.5	4.7	74.7	78.9	68.4
919	100%		216.0	91.0	600.4	85.0	5.2	83.0	87.7	76.0

### Reduction Chart for Bacteria

Area Treated		Bioretention		Shallow Wetland		Pet Waste Pick-Up		Vacuum Sweepers		Tree Boxes	
		<i>0.9</i>		<i>0.77</i>		<i>0.32</i>		<i>0.19</i>		<i>0.17</i>	
Acres	% Impervious Area Treated	Load Reduction	% Change	Load Reduction	% Change	Load Reduction	% Change	Load Reduction	% Change	Load Reduction	% Change
230	10%	9.70E+12	9.7	8.30E+12	8.2	3.45E+12	3.2	2.05E+12	1.9	1.83E+12	1.7
469	20%	1.98E+13	22.0	1.69E+13	18.2	7.04E+12	6.8	4.18E+12	4.0	3.74E+12	3.5
704	30%	2.97E+13	37.0	2.54E+13	30.0	1.06E+13	10.6	6.27E+12	6.0	5.61E+12	5.4
939	40%	3.96E+13	56.3	3.39E+13	44.5	1.41E+13	14.7	8.36E+12	8.2	7.48E+12	7.3
1174	50%	4.95E+13	81.8	4.24E+13	62.6	1.76E+13	19.0	1.05E+13	10.5	9.35E+12	9.3
1408	60%	5.94E+13	117.4	5.08E+13	85.9	2.11E+13	23.8	1.25E+13	12.9	1.12E+13	11.4
1643	70%	6.93E+13	170.3	5.93E+13	116.9	2.46E+13	28.9	1.46E+13	15.3	1.31E+13	13.5
1878	80%	7.92E+13	257.1	6.78E+13	160.4	2.82E+13	34.4	1.67E+13	17.9	1.50E+13	15.7
2112	90%	8.91E+13	426.3	7.62E+13	225.7	3.17E+13	40.4	1.88E+13	20.6	1.68E+13	18.1
2347	100%	9.90E+13	900.0	8.47E+13	334.8	3.52E+13	47.1	2.09E+13	23.5	1.87E+13	20.5