

TN, EOS									
Landuse Group		Landuse		2010 Loading Rates					
				Statewide	E	X	P	S	W
Agriculture	AFO	afo	animal feeding operations	364.9	1,112.6	154.4	335.1	167.9	101.5
Agriculture	CAFO	cfo	concentrated animal feeding operations	1,209.5	1,688.9		184.2	221.4	183.9
Agriculture	Crop	alf	alfalfa	10.2	6.9	4.8	11.7	9.0	8.2
Agriculture	Crop	hom	hightill without manure	36.6	21.9	20.8	60.5	38.2	43.3
Agriculture	Crop	hwm	hightill with manure	28.5	22.8	14.1	43.0	28.4	24.2
Agriculture	Crop	hyo	hay without nutrients	3.3	1.8	2.4	5.5	4.2	3.3
Agriculture	Crop	hyw	hay with nutrients	9.4	3.6	4.1	11.9	6.6	5.7
Agriculture	Crop	lwm	lowtill with manure	31.1	23.4	17.9	45.7	31.4	26.5
Agriculture	Crop	nal	nutrient management alfalfa	9.1	4.6	4.9	11.5	8.9	7.8
Agriculture	Crop	nhi	nutrient management hightill with manure	20.6	14.9	13.9	41.2	25.7	23.3
Agriculture	Crop	nho	nutrient management hightill without manure	28.9	20.0	20.6	57.9	34.7	41.6
Agriculture	Crop	nhy	nutrient management hay	6.8	2.9	3.3	9.3	5.2	4.5
Agriculture	Crop	nlo	nutrient management lowtill	20.6	12.6	17.3	43.4	31.2	25.6
Agriculture	Nursery	urs	nursery	233.2	142.7	184.1	427.3	291.8	244.6
Agriculture	Pasture	npa	nutrient management pasture	11.2	5.7	6.1	13.8	11.4	7.7
Agriculture	Pasture	pas	pasture	11.0	10.1	5.7	13.2	11.4	7.7
Agriculture	Pasture	trp	degraded riparian pasture	110.3	54.1		167.4	111.4	91.4
Forest	Harvested	hvf	harvested forest	15.9	9.6	10.1	23.8	18.8	12.5
Forest	Natural	for	forest	3.1	1.8	2.2	4.6	4.4	2.5
Stormwater	Construction	rcn	regulated construction	25.2	16.1	15.6	31.8	28.7	22.5
Stormwater	Extractive	nex	nonregulated extractive	23.3	11.3	9.9	26.8	16.5	15.8
Stormwater	Extractive	rex	regulated extractive	15.8	10.5	12.8	18.2	16.8	12.6
Stormwater	Non-Regulated Developed	nid	nonregulated impervious developed	11.6	9.4	7.9	16.0	20.7	10.5
Stormwater	Non-Regulated Developed	npd	nonregulated pervious developed	8.3	6.7	5.6	11.5	13.7	8.6
Stormwater	Regulated Developed	rid	regulated impervious developed	15.0	11.3	11.5	19.4	18.1	12.7
Stormwater	Regulated Developed	rpd	regulated pervious developed	10.3	6.5	7.4	12.7	11.7	9.1

TP, EOS									
Landuse Group		Landuse		2010 Loading Rates					
				Statewide	E	X	P	S	W
Agriculture	AFO	afo	animal feeding operations	58.06	177.89	25.27	53.47	24.41	15.34
Agriculture	CAFO	cfo	concentrated animal feeding operations	191.99	269.43		25.52	31.39	28.53
Agriculture	Crop	alf	alfalfa	0.87	1.51	0.49	0.83	0.43	0.42
Agriculture	Crop	hom	hightill without manure	1.66	1.01	2.13	2.82	1.03	1.36
Agriculture	Crop	hwm	hightill with manure	1.56	1.54	1.07	1.86	1.00	1.10
Agriculture	Crop	hyo	hay without nutrients	0.35	0.19	0.32	0.59	0.26	0.31
Agriculture	Crop	hyw	hay with nutrients	0.69	0.63	0.44	0.82	0.38	0.39
Agriculture	Crop	lwm	lowtill with manure	2.01	2.10	1.34	2.30	1.20	1.22
Agriculture	Crop	nal	nutrient management alfalfa	0.61	0.32	0.48	0.80	0.42	0.42
Agriculture	Crop	nhi	nutrient management hightill with manure	0.99	0.78	0.99	1.72	0.89	1.06
Agriculture	Crop	nho	nutrient management hightill without manure	1.37	0.97	2.15	2.73	0.95	1.34
Agriculture	Crop	nhy	nutrient management hay	0.62	0.33	0.41	0.82	0.37	0.41
Agriculture	Crop	nlo	nutrient management lowtill	1.18	0.86	1.29	2.21	1.18	1.21
Agriculture	Nursery	urs	nursery	67.08	42.05	67.20	119.64	59.47	64.44
Agriculture	Pasture	npa	nutrient management pasture	1.06	0.48	0.63	1.39	0.57	0.65
Agriculture	Pasture	pas	pasture	1.06	0.62	0.67	1.49	0.62	0.70
Agriculture	Pasture	trp	degraded riparian pasture	10.84	5.52		16.53	8.70	8.88
Forest	Harvested	hvf	harvested forest	0.36	0.19	0.27	0.58	0.27	0.25
Forest	Natural	for	forest	0.08	0.05	0.06	0.12	0.07	0.05
Stormwater	Construction	rcn	regulated construction	4.13	2.29	3.33	5.11	3.57	3.54
Stormwater	Extractive	nex	nonregulated extractive	4.60	1.68	2.66	5.38	2.60	2.62
Stormwater	Extractive	rex	regulated extractive	3.21	1.68	2.81	3.62	2.39	2.59
Stormwater	Non-Regulated Developed	nid	nonregulated impervious developed	1.37	0.93	1.30	2.04	1.28	1.33
Stormwater	Non-Regulated Developed	npd	nonregulated pervious developed	0.35	0.28	0.31	0.50	0.31	0.31
Stormwater	Regulated Developed	rid	regulated impervious developed	1.57	0.92	1.40	1.93	1.36	1.40
Stormwater	Regulated Developed	rpd	regulated pervious developed	0.37	0.19	0.32	0.43	0.31	0.34

TSS, EOS									
Landuse Group		Landuse		2010 Loading Rates					
				Statewide	E	X	P	S	W
Agriculture	AFO	afo	animal feeding operations	2,074	403	2,194	2,546	999	1,876
Agriculture	CAFO	cfo	concentrated animal feeding operations	1,025	170		3,215	1,423	2,018
Agriculture	Crop	alf	alfalfa	653	186	430	803	672	472
Agriculture	Crop	hom	hightill without manure	1,156	278	1,685	2,132	2,143	1,667
Agriculture	Crop	hwm	hightill with manure	1,016	371	1,151	2,067	1,780	1,566
Agriculture	Crop	hyo	hay without nutrients	366	85	481	679	699	460
Agriculture	Crop	hyw	hay with nutrients	611	152	457	725	691	486
Agriculture	Crop	lwm	lowtill with manure	772	181	1,075	1,553	1,458	788
Agriculture	Crop	nal	nutrient management alfalfa	592	148	437	800	692	467
Agriculture	Crop	nhi	nutrient management hightill with manure	767	304	1,170	2,058	1,684	1,471
Agriculture	Crop	nho	nutrient management hightill without manure	789	230	1,704	2,096	2,179	1,592
Agriculture	Crop	nhy	nutrient management hay	556	107	465	722	711	474
Agriculture	Crop	nlo	nutrient management lowtill	558	153	1,057	1,519	1,539	854
Agriculture	Nursery	urs	nursery	2,220	710	4,766	3,351	1,755	3,741
Agriculture	Pasture	npa	nutrient management pasture	403	57	387	544	162	224
Agriculture	Pasture	pas	pasture	319	37	350	496	164	222
Agriculture	Pasture	trp	degraded riparian pasture	3,415	853		5,651	2,459	4,999
Forest	Harvested	hvf	harvested forest	345	156	210	535	618	313
Forest	Natural	for	forest	55	14	60	76	136	71
Stormwater	Construction	rcn	regulated construction	3,707	1,717	2,180	4,127	6,292	5,042
Stormwater	Extractive	nex	nonregulated extractive	3,302	1,467	886	3,857	1,314	2,982
Stormwater	Extractive	rex	regulated extractive	1,953	645	1,024	2,093	801	2,418
Stormwater	Non-Regulated Developed	nid	nonregulated impervious developed	724	433	430	1,225	1,506	745
Stormwater	Non-Regulated Developed	npd	nonregulated pervious developed	111	63	75	181	218	149
Stormwater	Regulated Developed	rid	regulated impervious developed	1,008	591	778	1,077	1,301	1,038
Stormwater	Regulated Developed	rpd	regulated pervious developed	163	96	137	187	190	154

TN, Delivered									
Landuse Group		Landuse		2010 Loading Rates					
				Statewide	E	X	P	S	W
Agriculture	AFO	afo	animal feeding operations	248.4	1,066.8	125.4	169.8	123.8	40.6
Agriculture	CAFO	cfo	concentrated animal feeding operations	1,071.2	1,548.4		64.8	143.1	10.4
Agriculture	Crop	alf	alfalfa	5.0	6.5	2.8	5.1	6.5	2.3
Agriculture	Crop	hom	hightill without manure	19.7	20.7	14.3	24.6	25.4	8.7
Agriculture	Crop	hwm	hightill with manure	19.1	21.2	13.7	18.7	20.7	6.7
Agriculture	Crop	hyo	hay without nutrients	1.9	1.7	1.3	2.4	3.0	0.8
Agriculture	Crop	hyw	hay with nutrients	4.3	3.4	2.7	5.3	4.6	1.4
Agriculture	Crop	lwm	lowtill with manure	19.7	22.1	7.9	21.9	22.3	6.3
Agriculture	Crop	nal	nutrient management alfalfa	4.7	4.3	2.7	5.2	6.5	2.6
Agriculture	Crop	nhi	nutrient management hightill with manure	14.5	13.9	13.5	18.2	18.7	7.0
Agriculture	Crop	nho	nutrient management hightill without manure	18.7	18.8	14.1	24.1	23.9	8.9
Agriculture	Crop	nhy	nutrient management hay	3.3	2.7	2.1	4.2	3.7	1.2
Agriculture	Crop	nlo	nutrient management lowtill	13.6	11.7	7.1	21.2	22.5	7.5
Agriculture	Nursery	urs	nursery	142.5	134.3	88.0	214.6	209.2	61.3
Agriculture	Pasture	npa	nutrient management pasture	5.6	5.3	3.0	6.6	8.3	2.5
Agriculture	Pasture	pas	pasture	6.1	9.2	3.5	5.7	8.3	2.6
Agriculture	Pasture	trp	degraded riparian pasture	57.4	51.1		65.9	81.5	30.8
Forest	Harvested	hvf	harvested forest	8.8	8.9	7.2	9.6	14.1	6.3
Forest	Natural	for	forest	1.7	1.6	1.5	1.9	3.3	1.3
Stormwater	Construction	rcn	regulated construction	15.8	15.2	11.1	18.9	23.0	11.7
Stormwater	Extractive	nex	nonregulated extractive	5.6	10.4	8.5	4.3	16.5	9.2
Stormwater	Extractive	rex	regulated extractive	10.3	10.5	9.7	12.1	16.8	6.4
Stormwater	Non-Regulated Developed	nid	nonregulated impervious developed	8.0	8.9	7.4	6.6	15.2	6.7
Stormwater	Non-Regulated Developed	npd	nonregulated pervious developed	5.8	6.5	4.6	5.5	9.9	4.2
Stormwater	Regulated Developed	rid	regulated impervious developed	9.4	10.5	7.7	11.3	14.3	8.1
Stormwater	Regulated Developed	rpd	regulated pervious developed	6.1	6.1	4.7	7.1	9.2	5.3

TP, Delivered										
Landuse Group		Landuse		2010 Loading Rates						
				Statewide	E	X	P	S	W	
Agriculture	AFO	afo	animal feeding operations	39.57	173.96	20.99	25.98	19.39	7.14	
Agriculture	CAFO	cfo	concentrated animal feeding operations	175.68	253.38		11.97	21.12	2.76	
Agriculture	Crop	alf	alfalfa	0.52	1.46	0.32	0.37	0.34	0.15	
Agriculture	Crop	hom	hightill without manure	1.09	0.97	1.75	1.51	0.78	0.47	
Agriculture	Crop	hwm	hightill with manure	1.23	1.46	1.04	1.01	0.80	0.44	
Agriculture	Crop	hyo	hay without nutrients	0.21	0.18	0.20	0.29	0.20	0.10	
Agriculture	Crop	hyw	hay with nutrients	0.37	0.61	0.33	0.39	0.29	0.12	
Agriculture	Crop	lwm	lowtill with manure	1.47	2.04	0.68	1.14	0.92	0.39	
Agriculture	Crop	nal	nutrient management alfalfa	0.33	0.31	0.30	0.36	0.33	0.18	
Agriculture	Crop	nhi	nutrient management hightill with manure	0.78	0.75	0.96	0.94	0.71	0.45	
Agriculture	Crop	nho	nutrient management hightill without manure	1.02	0.94	1.76	1.46	0.72	0.51	
Agriculture	Crop	nhy	nutrient management hay	0.34	0.32	0.31	0.40	0.28	0.14	
Agriculture	Crop	nlo	nutrient management lowtill	0.85	0.82	0.61	1.09	0.91	0.46	
Agriculture	Nursery	urs	nursery	43.02	40.51	37.89	59.85	46.17	21.96	
Agriculture	Pasture	npa	nutrient management pasture	0.54	0.46	0.35	0.67	0.44	0.25	
Agriculture	Pasture	pas	pasture	0.57	0.58	0.45	0.68	0.48	0.28	
Agriculture	Pasture	trp	degraded riparian pasture	5.96	5.38		6.85	6.82	3.71	
Forest	Harvested	hvf	harvested forest	0.22	0.18	0.22	0.29	0.21	0.16	
Forest	Natural	for	forest	0.05	0.05	0.05	0.06	0.05	0.03	
Stormwater	Construction	rcn	regulated construction	2.71	2.21	2.55	3.08	2.95	2.19	
Stormwater	Extractive	nex	nonregulated extractive	2.07	1.61	2.52	2.13	2.60	1.47	
Stormwater	Extractive	rex	regulated extractive	2.07	1.68	2.20	2.25	2.39	1.57	
Stormwater	Non-Regulated Developed	nid	nonregulated impervious developed	1.05	0.90	1.24	1.19	0.99	1.03	
Stormwater	Non-Regulated Developed	npd	nonregulated pervious developed	0.28	0.28	0.28	0.31	0.24	0.19	
Stormwater	Regulated Developed	rid	regulated impervious developed	1.04	0.89	1.01	1.12	1.13	0.98	
Stormwater	Regulated Developed	rpd	regulated pervious developed	0.23	0.19	0.22	0.24	0.26	0.23	

TSS, Delivered										
Landuse Group		Landuse		2010 Loading Rates						
				Statewide	E	X	P	S	W	
Agriculture	AFO	afo	animal feeding operations	1,323	421	1,522	1,675	814	689	
Agriculture	CAFO	cfo	concentrated animal feeding operations	635	177		2,083	1,187	443	
Agriculture	Crop	alf	alfalfa	424	194	291	512	560	201	
Agriculture	Crop	hom	hightill without manure	797	297	1,303	1,544	1,776	588	
Agriculture	Crop	hwm	hightill with manure	813	387	1,222	1,553	1,747	580	
Agriculture	Crop	hyo	hay without nutrients	260	90	334	470	567	205	
Agriculture	Crop	hyw	hay with nutrients	407	160	359	493	562	188	
Agriculture	Crop	lwm	lowtill with manure	539	191	650	1,063	1,178	324	
Agriculture	Crop	nal	nutrient management alfalfa	398	156	280	516	558	253	
Agriculture	Crop	nhi	nutrient management hightill with manure	639	318	1,231	1,554	1,657	580	
Agriculture	Crop	nho	nutrient management hightill without manure	585	246	1,269	1,524	1,756	633	
Agriculture	Crop	nhy	nutrient management hay	380	113	352	495	566	218	
Agriculture	Crop	nlo	nutrient management lowtill	413	163	598	1,040	1,219	444	
Agriculture	Nursery	urs	nursery	1,540	734	3,126	2,467	1,475	1,338	
Agriculture	Pasture	npa	nutrient management pasture	254	59	207	354	131	88	
Agriculture	Pasture	pas	pasture	203	39	233	318	132	88	
Agriculture	Pasture	trp	degraded riparian pasture	2,115	886		3,332	2,035	1,908	
Forest	Harvested	hvf	harvested forest	249	165	161	351	500	178	
Forest	Natural	for	forest	41	15	43	57	108	40	
Stormwater	Construction	rcn	regulated construction	3,162	1,800	2,126	3,544	5,200	3,792	
Stormwater	Extractive	nex	nonregulated extractive	1,960	1,553	904	2,129	1,314	1,730	
Stormwater	Extractive	rex	regulated extractive	2,073	645	1,135	2,631	801	1,568	
Stormwater	Non-Regulated Developed	nid	nonregulated impervious developed	613	451	394	940	1,204	466	
Stormwater	Non-Regulated Developed	npd	nonregulated pervious developed	91	65	60	143	175	73	
Stormwater	Regulated Developed	rid	regulated impervious developed	889	626	772	1,029	1,109	820	
Stormwater	Regulated Developed	rpd	regulated pervious developed	135	100	131	167	165	108	