

Map ID	Road Name	Road Segment ID	Lake Segment	Road Length (mi)	Road Slope (%)	Road Material	Pre-Construction Standard	Pre-Construction P Loading (kg/ha/yr)	Segment P Loading (kg/yr)	Post-Construction on Standard	Post-Construction P Reduction (%)
1	Beeshe Hill Rd	7050 Beeshe Hill Rd 1	Northeast Arm - DD	0.1	6.9	Gravel	Partially Meets	12 105	1.21	Fully Meets	40%
2	Beeshe Hill Rd	7050 Beeshe Hill Rd 23	Northeast Arm - DD	0.1	2.3	Gravel	Does Not Meet	6 069	0.61	Fully Meets	80%
3	Beeshe Hill Rd	7050 Beeshe Hill Rd 49	Northeast Arm - DD	0.1	1.0	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
4	Beeshe Hill Rd	7050 Beeshe Hill Rd 47	Northeast Arm - DD	0.1	3.2	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
5	Butlock Rd	7050 Butlock Rd 1	Northeast Arm - DD	0.1	5.4	Gravel	Partially Meets	12 105	1.21	Fully Meets	40%
6	Cadnact Rd	7050 Cadnact Rd 10	Northeast Arm - DD	0.1	1.0	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
7	Cadnact Rd	7050 Cadnact Rd 24	Northeast Arm - DD	0.1	1.0	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
8	Cadnact Rd	7050 Cadnact Rd 26	Northeast Arm - DD	0.1	3.9	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
9	Cadnact Rd	7050 Cadnact Rd 31	Northeast Arm - DD	0.1	8.5	Gravel	Partially Meets	12 105	1.21	Fully Meets	40%
10	Cadnact Rd	7050 Cadnact Rd 33	Northeast Arm - DD	0.1	3.3	Gravel	Partially Meets	12 105	1.21	Fully Meets	40%
11	Cadnact Rd	7050 Cadnact Rd 8	Northeast Arm - DD	0.1	0.6	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
12	Carry Dr	7050 CARRY DR 3055.1	Northeast Arm - DD	0.1	3.5	Paved - Non Curbed	Does Not Meet	4 769	0.48	Fully Meets	80%
13	Cherry St	7050 CHERRY ST 10688.1	Lamelle River	0.1	7.1	Paved - Non Curbed	Partially Meets	3.65	0.39	Fully Meets	40%
14	Cherry St	7050 CHERRY ST 10693.1	Lamelle River	0.1	4.8	Paved - Non Curbed	Partially Meets	2.88	0.29	Fully Meets	40%
15	Devino Rd	7050 Devino Rd 1	Malletts Bay - DD	0.1	1.6	Gravel	Partially Meets	2.872	0.29	Fully Meets	40%
16	Devino Rd	7050 Devino Rd 6	Lamelle River	0.1	4.6	Gravel	Does Not Meet	4.687	0.47	Fully Meets	80%
17	Duffy Rd	7050 DUFFY RD 17053.1	Malletts Bay - DD	0.1	7.4	Paved - Non Curbed	Partially Meets	3.997	0.36	Fully Meets	40%
18	Duffy Rd	7050 DUFFY RD 17069.1	Malletts Bay - DD	0.1	11.7	Paved - Non Curbed	Partially Meets	7.493	0.75	Fully Meets	80%
19	Duffy Rd	7050 DUFFY RD 17070.1	Malletts Bay - DD	0.1	10.7	Paved - Non Curbed	Partially Meets	4.496	0.45	Fully Meets	40%
20	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 1	Northeast Arm - DD	0.1	1.3	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
21	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 11	Northeast Arm - DD	0.1	0.1	Gravel	Partially Meets	3.64	0.32	Fully Meets	40%
22	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 12	Northeast Arm - DD	0.1	0.0	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
23	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 13	Northeast Arm - DD	0.1	0.6	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
24	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 14	Northeast Arm - DD	0.1	0.0	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
25	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 15	Northeast Arm - DD	0.1	0.7	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
26	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 16	Northeast Arm - DD	0.1	1.0	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
27	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 17	Northeast Arm - DD	0.1	1.0	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
28	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 19	Northeast Arm - DD	0.1	1.0	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
29	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 20	Northeast Arm - DD	0.0	4.3	Gravel	Partially Meets	3.64	0.11	Fully Meets	40%
30	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 24	Northeast Arm - DD	0.1	1.2	Gravel	Does Not Meet	6 066	0.47	Fully Meets	80%
31	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 29	Northeast Arm - DD	0.1	0.5	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
32	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 3	Northeast Arm - DD	0.1	5.0	Gravel	Does Not Meet	20 175	2.02	Fully Meets	80%
33	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 31	Northeast Arm - DD	0.1	0.2	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
34	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 32	Northeast Arm - DD	0.1	1.6	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
35	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 4	Northeast Arm - DD	0.1	1.6	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
36	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 5	Northeast Arm - DD	0.1	3.9	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
37	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 6	Northeast Arm - DD	0.1	0.2	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
38	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 7	Northeast Arm - DD	0.1	0.3	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
39	Eagle Mountain Harbor Rd	7050 Eagle Mountain Harbor Rd 8	Northeast Arm - DD	0.03	1.2	Gravel	Partially Meets	3.64	0.04	Fully Meets	40%
40	East Rd	7050 EAST RD 10006.1	Malletts Bay - DD	0.1	8.7	Paved - Non Curbed	Partially Meets	3.597	0.36	Fully Meets	40%
41	East Rd	7050 EAST RD 10011.1	Malletts Bay - DD	0.1	7.0	Paved - Non Curbed	Partially Meets	3.597	0.36	Fully Meets	40%
42	Corbin Rd	7050 FORBES RD 20010.1	Malletts Bay - DD	0.04	0.3	Paved - Non Curbed	Partially Meets	3.597	0.15	Fully Meets	40%
43	Hardscrabble Rd	7050 HARDSCRABBLE RD 26180.1	Malletts Bay - DD	0.1	11.2	Paved - Non Curbed	Does Not Meet	7 493	0.75	Fully Meets	80%
44	Hardscrabble Rd	7050 Hardscrabble Rd 3	Malletts Bay - DD	0.1	1.5	Gravel	Partially Meets	2.872	0.29	Fully Meets	40%
45	Henry Rd	7050 Henry Rd 1	Northeast Arm - DD	0.1	2.0	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%
46	Howard Dr	7050 Howard Dr 1	Lamelle River	0.1	6.6	Paved - Non Curbed	Partially Meets	3.653	0.39	Fully Meets	40%
47	Hunting Ridge Ln	7050 HUNTING RIDGE LN 29816.1	Malletts Bay - DD	0.1	6.4	Paved - Non Curbed	Partially Meets	3.597	0.36	Fully Meets	40%
48	Hunting Ridge Ln	7050 HUNTING RIDGE LN 29817.1	Malletts Bay - DD	0.1	6.5	Paved - Non Curbed	Partially Meets	3.597	0.36	Fully Meets	40%
49	Hunting Ridge Ln	7050 HUNTING RIDGE LN 29820.1	Malletts Bay - DD	0.1	8.0	Paved - Non Curbed	Partially Meets	3.597	0.36	Fully Meets	40%
50	Hunting Ridge Ln	7050 HUNTING RIDGE LN 29821.1	Malletts Bay - DD	0.1	6.7	Paved - Non Curbed	Partially Meets	3.597	0.36	Fully Meets	40%
51	John Rowley Rd	7050 John Rowley Rd 5	Lamelle River	0.1	2.1	Gravel	Does Not Meet	4 687	0.47	Fully Meets	80%
52	Lake Rd	7050 LAKE RD 33135.1	Northeast Arm - DD	0.1	1.2	Paved - Non Curbed	Does Not Meet	4 769	0.48	Fully Meets	80%
53	Main St	7050 MAIN ST 36590.1	Lamelle River	0.1	6.0	Paved - Non Curbed	Partially Meets	3.654	0.39	Fully Meets	40%
54	Maplewood Av	7050 MAPLEWOOD AV 38019.1	Lamelle River	0.1	1.4	Paved - Non Curbed	Does Not Meet	4 814	0.48	Fully Meets	80%
55	Marys Hollow Rd	7050 MARYS HOLLOW RD 38373.1	Malletts Bay - DD	0.1	14.2	Paved - Non Curbed	Partially Meets	4 496	0.24	Fully Meets	40%
56	McMullen Rd	7050 McMULLEN RD 38895.1	Malletts Bay - DD	0.1	6.0	Paved - Non Curbed	Partially Meets	3.597	0.36	Fully Meets	40%
57	Middle Rd	7050 MIDDLE RD 39411.1	Malletts Bay - DD	0.1	1.1	Paved - Non Curbed	Does Not Meet	4 496	0.45	Fully Meets	80%
58	Milton Falls Ct	7050 MILTON FALLS CT 40504.1	Lamelle River	0.1	9.3	Paved - Non Curbed	Partially Meets	3.653	0.39	Fully Meets	40%
59	Milton Falls Ct	7050 MILTON FALLS CT 40504.1	Lamelle River	0.1	7.8	Paved - Non Curbed	Partially Meets	3.653	0.39	Fully Meets	40%
60	Reynolds Rd	7050 Reynolds Rd 1	Malletts Bay - DD	0.1	9.3	Gravel	Partially Meets	3.653	0.36	Fully Meets	40%
61	Ritchie Av	7050 RITCHIE AV 53975.1	Lamelle River	0.1	10.8	Paved - Non Curbed	Partially Meets	4 814	0.48	Fully Meets	40%
62	Sawmill Rd	7050 Sawmill Rd 2	Lamelle River	0.1	8.3	Gravel	Does Not Meet	4 487	0.28	Fully Meets	80%
63	Stewartville Rd	7050 STEWARTVILLE RD 62746.1	Northeast Arm - DD	0.1	6.4	Paved - Non Curbed	Partially Meets	3.615	0.38	Fully Meets	40%
64	Sunset Av	7050 Sunset Av 4	Lamelle River	0.1	2.3	Gravel	Partially Meets	2 812	0.26	Fully Meets	40%
65	Westford Rd	7050 WESTFORD RD 72436.1	Malletts Bay - DD	0.1	5.3	Paved - Non Curbed	Partially Meets	2.597	0.34	Fully Meets	40%
66	Westford Rd	7050 WESTFORD RD 72437.1	Malletts Bay - DD	0.1	7.7	Paved - Non Curbed	Partially Meets	2.597	0.36	Fully Meets	40%
											Total: 15.20

Appendix C. MRGP Linear Loading Rates

Table C-1. MRGP impaired Class 2-3 phosphorus loading rates (kg/ha/yr) for the Lake Champlain basin. Data modified from Tetra Tech (2015). CSD = combined sewer overflow; DD = direct discharge to lake segment; N = road miles. Data may be updated following completion of all RRs.

Drainage Area	Fully Meets MRGP Standards					Partially Meets MRGP Standards					Does Not Meet MRGP Standards					Unassessed Segments
	<5%	5-10%	>10%	<5%	5-10%	>10%	<5%	5-10%	>10%	<5%	5-10%	>10%	<5%	5-10%	>10%	
Burlington Bay - CSD	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Burlington Bay - DD	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Little Otter Creek	1.054	2.506	6.130	3.462	10.818	18.391	5.273	17.530	30.652	1.005						
Lamelle River	0.937	3.138	5.402	2.932	9.354	16.355	4.687	15.898	27.209	0.984						
LaPlatte River	0.998	3.318	8.802	2.993	9.954	17.406	4.988	16.590	29.009	0.951						
Lewis Creek	0.900	2.995	9.297	3.701	8.968	15.710	4.902	14.974	26.343	0.958						
Little Otter Creek	1.248	4.145	2.448	3.759	12.636	21.786	6.232	20.727	36.242	1.188						
Main Lake - DD	0.958	3.180	5.560	2.869	9.539	16.660	4.780	15.898	27.209	0.911						
Malletts Bay - DD	0.867	3.194	5.658	2.872	9.753	16.703	4.197	15.921	27.439	0.913						
Mettawee River	0.986	3.280	5.734	2.958	9.839	17.203	4.930	16.308	28.672	0.940						
Moosequog Bay - DD	1.046	3.491	6.096	3.639	10.442	18.258	5.232	17.403	30.420	0.947						
Moosequog River	1.006	3.431	5.965	3.077	10.435	17.882	5.126	17.009	28.829	0.978						
Northeast Arm - DD	0.243	6.020	1.056	3.640	82.105	21.167	6.066	20.175	35.278	1.156						

Note: C-1. Tetra phosphorus load reduction effectiveness* based on change in MRGP compliance rates.

To	From	Pre-Construction Compliance Rate	
		Partially Meets	Does Not Meet
Partially Meets	Partially Meets	40%	40%
Partially Meets	Does Not Meet	40%	60%

* Percent reduction is calculated relative to loading (kg/ha/yr) segments of meeting standards

Table C-2. MRGP paired municipal raw phosphorus loading rates (kg/ha/yr) for the Lake Champlain basin. Data modified from Tetra Tech (2015). CSD = combined sewer overflow; DD = direct discharge to lake segment; N = road miles. Data may be updated following completion of all RRs.

Drainage Area	Fully Meets MRGP Standards					Partially Meets MRGP Standards					Does Not Meet MRGP Standards					Unassessed Segments
	<5%	5-10%	>10%	<5%	5-10%	>10%	<5%	5-10%	>10%	<5%	5-10%	>10%				
Burlington Bay - CSD	1.555	2.073	2.592	4.665	6.220	7.775	7.775	10.387	12.959	1.230						
Burlington Bay - DD	1.122	1.494	1.870	3.365	4.847	5.609	5.609	7.478	9.248	0.887						
Little Otter Creek	0.766	1.048	1.310	2.307	3.443	3.929	3.929	5.288	6.548	0.621						
LaPlatte River	0.937	1.382	1.738	3.310	4.148	5.181	5.181	6.911	8.638	0.820						
Lewis Creek	0.921	1.291	1.539	3.770	3.609	4.656	4.656	6.155	7.684	0.759						
Little Otter Creek	1.126	1.601	1.877	3.378	4.504	5.630	5.630	7.507	9.384	0.880						
Main Lake - DD	1.000	1.333	1.667	3.068	4.003	5.000	5.000	6.467	8.333	0.791						
Malletts Bay - DD	0.899	1.439	1.449	2.598	3.597	4.495	4.495	5.995	7.493	0.741						
Mettawee River	0.949	1.296	1.582	2.848	3.797	4.748	4.748	6.328	7.910	0.751						
Minnicoussi River - DD	0.944	1.364	1.734	3.222	4.166	5.034	5.034	6.677	8.423	0.823						
Northampton Bay - DD	0.904	1.223	1.508	2.865	3.531	4.268	4.268	5.608	7.088	0.754						
Otter Creek	0.848	1.262	1.377	2.818	3.609	4.472	4.472	5.716	7.148	0.748						
Port Henry - DD	0.908	1.268	1.406	2.808	3.443	4.148	4.148	5.795	7.244	0.823						
Port Henry - DD	1.072	1.382	1.703	3.068	4.003	5.008	5.008	6.411	8.014	0.808						
South Lake - DD	0.921	1.291	1.539	3.770	3.609	4.656	4.656	6.155	7.684	0.759						
South Lake - DD	0.967	1.289	1.615	3.061	3.987	4.833	4.833	6.444	8.005	0.764						
South Lake - DD	1.306	1.742	1.977	3.919	5.226	6.535	6.535	8.720	10.895	0.833						
South Lake - DD	1.145	1.581	1.908	3.443	4.500	5.557	5.557	7.292	8.944	0.823						
Winooski River	1.495	1.922	1.908	3.435	4.500	5.725	5.725	7.694	9.452	0.905						

Road Name	Road Segment ID	Lake Segment	Road Length (km)	Road Slope (%)	Road Material	Pre-Construction Standard	Pre-Construct on P Loading (kg/km/yr)	Segment P Loading (kg/yr)	Post-Construct on Standard	Post-Construct ion P Reduction (%)	Post-Construct on P Reduction (kg/yr)
McMullen Road	7050 McMullen_Rd_38891	Malletts Bay-DD	0.1	4.63	Paved - Non Curbed	Does Not Meet	4.50	0.45	Fully Meets	80%	0.35
McMullen Road	7050 McMullen_Rd_38892	Malletts Bay-DD	0.1	7.43	Paved - Non Curbed	Does Not Meet	6.00	0.60	Fully Meets	80%	0.48
McMullen Road	7050 McMullen_Rd_38893	Malletts Bay-DD	0.1	11.58	Paved - Non Curbed	Does Not Meet	7.49	0.75	Fully Meets	80%	0.60
Kingsbury Crossing	7050 Kingsbury_Crs_1	Malletts Bay-DD	0.1	11.32	Gravel	Does Not Meet	27.84	2.78	Fully Meets	80%	2.23
Kingsbury Crossing	7050 Kingsbury_Crs_6	Malletts Bay-DD	0.1	1.34	Gravel	Fully Meets	0.96	0.10	Fully Meets	0%	0
Cadreact Brook Rd	7050 Cadreact_Rd_27	Northeast Arm-DD	0.1	1.88	Gravel	Does Not Meet	6.07	0.61	Fully Meets	80%	0.49
Cadreact Brook Rd	7050 Cadreact_Rd_28	Northeast Arm-DD	0.1	9.57	Gravel	Does Not Meet	20.18	2.02	Fully Meets	80%	1.61
Cadreact Brook Rd	7050 Cadreact_Rd_29	Northeast Arm-DD	0.1	5.58	Gravel	Does Not Meet	20.18	2.02	Fully Meets	80%	1.61
Cadreact Brook Rd	7050 Cadreact_Rd_30	Northeast Arm-DD	0.1	0.70	Gravel	Does Not Meet	6.07	0.61	Fully Meets	80%	0.49
Beebe Hill Road South	7050 Beebe_Hill_Rd_35	Northeast Arm-DD	0.1	9.84	Gravel	Does Not Meet	20.18	2.02	Fully Meets	80%	1.61
Beebe Hill Road South	7050 Beebe_Hill_Rd_36	Northeast Arm-DD	0.1	1.94	Gravel	Does Not Meet	4.79	0.48	Fully Meets	80%	0.38
Beebe Hill Road South	7050 Beebe_Hill_Rd_37	Northeast Arm-DD	0.1	6.08	Gravel	Does Not Meet	20.18	2.02	Fully Meets	80%	1.61
Beebe Hill Road North	7050 Beebe_Hill_Rd_15	Northeast Arm-DD	0.1	0.01	Gravel	Partially Meets	3.64	0.36	Fully Meets	40%	0.15
Beebe Hill Road North	7050 Beebe_Hill_Rd_16	Northeast Arm-DD	0.1	7.95	Gravel	Does Not Meet	20.18	2.02	Fully Meets	80%	1.61
Beebe Hill Road North	7050 Beebe_Hill_Rd_17	Northeast Arm-DD	0.1	4.24	Gravel	Does Not Meet	6.07	0.61	Fully Meets	80%	0.49
Westford Rd	7050 Westford_Rd_72163.1	Malletts Bay-DD	0.1	0.85	Paved - Non Curbed	Fully Meets	0.90	0.09	Fully Meets	0%	0
Westford Rd	7050 Westford_Rd_72164.1	Malletts Bay-DD	0.1	0.54	Paved - Non Curbed	Fully Meets	0.90	0.09	Fully Meets	0%	0
Westford Rd	7050 Westford_Rd_72165.1	Malletts Bay-DD	0.1	8.60	Paved - Non Curbed	Does Not Meet	6.00	0.60	Fully Meets	80%	0.48
Total								18.21			14.28

Appendix C. MRGP Linear Loading Rates

Table C-1. MRGP unpaired Class 1-3 phosphorus loading rates (kg/km/yr) for the Lake Champlain basin. Data modified from Tetra Tech (2015). CSO = combined sewer overflow. DD = direct drainage to lake segment. % = road slopes. Data may be updated following completion of all REs.

Drainage Areas	Hydrologically Connected Segments									Un-connected Segments
	Fully Meets MRGP Standards			Partially Meets MRGP Standards			Does Not Meet MRGP Standards			
	<5%	5-10%	>10%	<5%	5-10%	>10%	<5%	5-10%	>10%	
Burlington Bay- CSO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Burlington Bay- DD	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Lake La Motte- DD	1.054	3.506	6.130	3.162	10.518	18.391	5.271	17.530	30.652	1.005
Lemville River	0.937	3.116	5.452	2.812	9.354	16.356	4.687	15.589	27.269	0.894
LaPlatte River	0.968	3.318	5.802	2.983	9.854	17.406	4.988	16.590	29.009	0.951
Lewis Creek	0.900	2.995	5.237	2.701	8.984	15.710	4.502	14.974	26.183	0.858
Little Otter Creek	1.248	4.145	7.248	3.789	12.836	21.748	4.232	20.727	36.242	1.188
Main Lake- DD	0.956	3.180	5.560	2.868	9.539	16.680	4.780	15.898	27.799	0.911
Malletts Bay- DD	0.957	3.184	5.568	2.872	9.553	16.703	4.787	15.921	27.839	0.913
Mettawee River	0.988	3.280	5.734	2.956	9.839	17.203	4.830	16.388	28.672	0.940
Missisquoi Bay- DD	1.048	3.481	6.086	3.129	10.442	18.258	5.232	17.403	30.430	0.997
Missisquoi River	1.026	3.412	5.965	3.077	10.235	17.897	5.129	17.059	29.829	0.978
Northeast Arm- DD	1.213	4.037	7.056	3.640	12.405	21.897	4.666	20.175	35.275	1.156

Table 3. Total phosphorus load reduction efficiencies* based on change in MRGP compliance status.

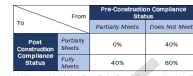


Table C-3. MRGP paired municipal road phosphorus loading rates (kg/km/yr) for the Lake Champlain basin. Data modified from Tetra Tech (2015). CSO = combined sewer overflow. DD = direct drainage to lake segment. % = road slopes. Data may be updated following completion of all REs.

Drainage Areas	Hydrologically Connected Segments										Un-Connected Segments
	Fully Meets MRGP Standards			Partially Meets MRGP Standards			Does Not Meet MRGP Standards				
	<5%	5-10%	>10%	<5%	5-10%	>10%	<5%	5-10%	>10%		
Burlington Bay- CSO	1.505	2.073	2.868	4.865	6.226	7.775	17.725	12.359	1.230		
Burlington Bay- DD	1.122	1.495	1.870	3.365	4.647	5.609	5.609	7.478	9.348	0.887	
Lake La Motte- DD	0.736	1.048	1.310	2.357	3.143	3.929	3.929	5.248	6.548	0.621	
Lemville River	0.863	1.264	1.605	2.868	3.851	4.654	4.654	6.568	8.023	0.751	
LaPlatte River	1.037	1.382	1.728	3.110	4.146	5.183	5.183	6.911	8.638	0.820	
Lewis Creek	0.923	1.231	1.539	2.770	3.693	4.688	4.688	6.155	7.694	0.739	
Little Otter Creek	1.126	1.501	1.877	3.378	4.504	5.630	5.630	7.507	9.384	0.890	
Main Lake- DD	1.020	1.333	1.667	3.020	4.000	5.000	5.000	6.667	8.333	0.791	
Malletts Bay- DD	0.989	1.189	1.459	2.658	3.567	4.486	4.486	5.965	7.493	0.711	
Mettawee River	0.949	1.256	1.582	2.848	3.787	4.746	4.746	6.328	7.910	0.751	
Missisquoi Bay- DD	1.041	1.387	1.724	3.122	4.162	5.203	5.203	6.917	8.672	0.820	
Missisquoi River	1.013	1.350	1.688	3.038	4.051	5.064	5.064	6.752	8.440	0.801	
Northeast Arm- DD	0.924	1.272	1.590	2.862	3.815	4.769	4.769	6.329	7.849	0.754	
Otter Creek	0.946	1.262	1.577	2.839	3.786	4.722	4.722	6.310	7.887	0.748	
Otter Creek- DD	0.969	1.159	1.449	2.608	3.477	4.347	4.347	5.795	7.344	0.687	
Port Henry- DD	1.022	1.362	1.703	3.069	4.087	5.108	5.108	6.811	8.514	0.808	
Posidon River	1.053	1.404	1.754	3.158	4.211	5.263	5.263	7.016	8.772	0.835	
South Lake A- DD	0.967	1.289	1.631	2.900	3.857	4.833	4.833	6.444	8.055	0.764	
South Lake B- DD	1.306	1.742	2.177	3.919	5.225	6.532	6.532	8.709	10.868	1.035	
St Albans Bay	0.992	1.323	1.604	2.977	3.969	4.961	4.961	6.615	8.269	0.784	
Winooski River	1.145	1.527	1.908	3.435	4.580	5.725	5.725	7.634	9.542	0.905	