

Table 18. Maximum, mean and minimum expected nitrogen loading (kg/yr) to Plunkett Reservoir listed by sub-basin as determined from land use modeling within each of the watershed's sub-basins.

Maximum	Sub-Basin 1	Sub-Basin 2	Sub-Basin 3	Sub-Basin 4	Sub-Basin 5	Sub-Basin 6	Total for Watershed
Industrial	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Commercial	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	95.9	208.5	0.0	0.0	304.5
Forest	12.0	130.6	8,090.0	1,107.5	6.3	219.7	9,340.2
Transportation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Open	0.0	0.0	70.3	0.0	0.0	0.0	70.3
Residential	0.0	442.8	187.7	623.6	212.4	281.6	1,254.1
Recreation	120.9	850.8	679.9	0.0	0.0	0.0	1,651.7
Wetland	0.0	0.0	0.0	49.7	0.0	0.0	49.7
Total Load	133.0	1,424.3	9,124.0	1,989.4	218.6	501.3	12,670.6
Attenuation Coefficient	0.6	0.3	0.6	0.4	0.4	0.4	
Adjusted Total Load	79.8	427.3	5,474.4	795.7	87.4	200.5	6,777.2

Mean	Sub-Basin 1	Sub-Basin 2	Sub-Basin 3	Sub-Basin 4	Sub-Basin 5	Sub-Basin 6	Total for Watershed
Industrial	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Commercial	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	26.9	58.5	0.0	0.0	85.4
Forest	5.5	59.7	3,696.1	506.0	2.9	100.4	4,267.3
Transportation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Open	0.0	0.0	19.7	0.0	0.0	0.0	19.7
Residential	0.0	114.8	48.7	161.6	55.0	73.0	325.0
Recreation	33.9	238.6	190.6	0.0	0.0	0.0	463.1
Wetland	0.0	0.0	0.0	22.7	0.0	0.0	22.7
Total Load	39.4	413.0	3,982.0	748.8	57.9	173.4	5,183.2
Attenuation Coefficient	0.6	0.3	0.6	0.4	0.4	0.4	
Adjusted Total Load	23.6	123.9	2,389.2	299.5	23.2	69.3	2,836.3

Minimum	Sub-Basin 1	Sub-Basin 2	Sub-Basin 3	Sub-Basin 4	Sub-Basin 5	Sub-Basin 6	Total for Watershed
Industrial	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Commercial	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agriculture	0.0	0.0	4.6	10.0	0.0	0.0	14.6
Forest	2.6	28.8	1,783.4	244.1	1.4	48.4	2,059.0
Transportation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Open	0.0	0.0	3.4	0.0	0.0	0.0	3.4
Residential	0.0	17.0	7.2	24.0	8.2	10.8	48.2
Recreation	5.8	40.8	32.6	0.0	0.0	0.0	79.2
Wetland	0.0	0.0	0.0	11.0	0.0	0.0	11.0
Total Load	8.5	86.7	1,831.2	289.1	9.5	59.3	2,215.5
Attenuation Coefficient	0.6	0.3	0.6	0.4	0.4	0.4	
Adjusted Total Load	5.1	26.0	1,098.7	115.6	3.8	23.7	1,245.5