

4.4.6.2 Deep Lake TMDL Allocation Tables

Table 4-18. Big Swan Lake Nutrient TMDL.

Big Swan Lake Load Allocation		Existing TP Load		Allowable TP Load		Estimated Load Reduction	
		lbs/yr	lbs/day	lbs/yr	lbs/day	lbs/yr	%
Loading Capacity				7,718.8	21.15		
Margin of Safety: 10%				771.9	2.11		
Wasteload	Total WLA	7.7	0.02115	7.7	0.02115	0.0	0
	<i>Construction/Industrial Stormwater</i>	7.7	0.02115	7.7	0.02115	0.0	-
Load	Total LA	10,127.1	27.75	6939.2	19.01	3,187.9	31
	<i>Tributary 555</i>	1868.5	5.12	890.2	2.44	978.3	52
	<i>Tributary 561^(a)</i>	127.9	0.35	57.3	0.16	70.7	55
	<i>Lakeshed</i>	4038.0	11.06	2223.9	6.09	1814.1	45
	<i>Internal Loading</i>	3856.3	10.57	3555.7	9.74	300.6	8
	<i>SSTS</i>	24.3	0.07	0.0	0.00	24.3	100
<i>Atmospheric Deposition</i>	212.1	0.58	212.1	0.58	0.0	-	
Total Load	10,134.8	27.77	6,946.9	19.03	3,187.9	31%	

(a) Reductions are achieved by upstream Trace Lake meeting the water quality standard and Grey Eagle WWTP maintaining its current effluent limit of 51 kg/yr

Table 4-19. Crow Wing Lake Nutrient TMDL.

Crow Wing Lake Load Allocation		Existing TP Load		Allowable TP Load		Estimated Load Reduction	
		lbs/yr	lbs/day	lbs/yr	lbs/day	lbs/yr	%
Loading Capacity				1,591.7	4.36		
Margin of Safety 10%				159.2	0.44		
Wasteload	Total WLA	1.6	0.004361	1.6	0.004361	0.0	0
	<i>Construction/Industrial Stormwater</i>	1.6	0.004361	1.6	0.004361	0.0	-
Load	Total LA	2,432.9	6.67	1,431.0	3.92	1,001.9	41
	<i>Lakeshed</i>	1874.6	5.14	958.9	2.63	915.7	49
	<i>Internal Loading</i>	412.7	1.13	381.7	1.05	31.0	8
	<i>SSTS</i>	55.1	0.15	0.0	0.00	55.1	100
<i>Atmospheric Deposition</i>	90.4	0.25	90.4	0.25	0.0	-	
Total Load	2,434.5	6.67	1,432.6	3.92	1,001.9	41%	