

GRAHAM CREEK

Assessment Unit # 17010301PN002_03

Candidate for TMDL/Implementation monitoring and assessment, possible attainment of WQS

Table F-20. Existing and Potential Solar Loads for Graham Creek.

Segment Length (meters)	Existing Shade (fraction)	Existing Summer Load (kWh/m ² /day)	Potential Shade (fraction)	Potential Summer Load (kWh/m ² /day)	Potential Load minus Existing load (kWh/m ² /day)	Existing Stream Width (m)	Natural Stream Width (m)	Existing Segment Area (m ²)	Existing Summer Load (kWh/day)	Natural Segment Area (m ²)	Potential Summer Load (kWh/day)	Potential Load minus Existing Load (kWh/day)	Lack of Shade (%)	Graham Creek	
Assessment Unit # ID17010301PN002_02															
2140	0.9	0.55	0.98	0.11	-0.44	1	1	2140	1177	2140	235.4	-941.6	-8	Forest Group B	
280	0.8	1.1	0.98	0.11	-0.99	2	2	560	616	560	61.6	-554.4	-18		
3270	0.9	0.55	0.96	0.22	-0.33	3	3	9810	5395.5	9810	2158.2	-3237.3	-6		
330	0.8	1.1	0.94	0.33	-0.77	4	4	1320	1452	1320	435.6	-1016.4	-14		
270	0.9	0.55	0.94	0.33	-0.22	4	4	1080	594	1080	356.4	-237.6	-4		
								Subtotal	14,910	9,235	14,910	3,247	-5,987	-10	
Assessment Unit # ID17010301PN002_03															
440	0.8	1.1	0.72	1.54	0.44	5	5	2200	2420	2200	3388	968	0	Nonforest Group 1	
310	0.9	0.55	0.72	1.54	0.99	5	5	1550	852.5	1550	2387	1534.5	0		
490	0.6	2.2	0.65	1.925	-0.275	6	6	2940	6468	2940	5659.5	-808.5	-5		
120	0.5	2.75	0.65	1.925	-0.825	6	6	720	1980	720	1386	-594	-15		
370	0.8	1.1	0.65	1.925	0.825	6	6	2220	2442	2220	4273.5	1831.5	0		
								Subtotal	9,630	14,163	9,630	17,094	2,932	-4	
								Total	24,540	23,397	24,540	20,341	-3,056		

Existing solar load < TMDL load allocation (potential solar load)

Figure G-3. Shade deficit for the Lower North Fork Coeur d'Alene River Area.

