

**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 <sup>2</sup> /day)	Potential Shade (fraction)	Potential Summer Load (kWh/m <sup>2</sup> /day)	Potential Load minus Existing load (kWh/m <sup>2</sup> /day)	Existing Stream Width (m)	Natural Stream Width (m)	Existing Segment Area (m <sup>2</sup> )	Existing Summer Load (kWh/day)	Natural Segment Area (m <sup>2</sup> )	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		
								<b>Subtotal</b>	<b>14,910</b>	<b>9,235</b>	<b>14,910</b>	<b>3,247</b>	<b>-5,987</b>	<b>-10</b>	
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		
								<b>Subtotal</b>	<b>9,630</b>	<b>14,163</b>	<b>9,630</b>	<b>17,094</b>	<b>2,932</b>	<b>-4</b>	
								<b>Total</b>	<b>24,540</b>	<b>23,397</b>	<b>24,540</b>	<b>20,341</b>	<b>-3,056</b>		

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

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

