

Table S1. Summary/Result Panel - Cost Calculator

	A	B	C	D	E
1		Base Year		Future Predictions	
2		Summer	Winter	Summer	Winter
3	Hours/Day	21	19	21	19
4	Total Days	214	151	214	151
5	Breakup/prepare (May/November)	61	30	61	30
6	Shutdown Days for Hauling	10	12	10	23
7	Shutdown Days for Harvesting	10	9	10	17.25
8	Harvest Volume (m ³)	750,000	1,400,000	750,000	1,400,000
9	Access Road (km)	300.00	600.00	300.00	600.00
10	Eligible Logging Days	153	121	153	121
11	Holidays/Sundays	37	29	37	29
12	Operation Days	106	83	106	75
13	Hauling Operation Days	106	80	106	69
14		Unit Prices (\$/m ³)			
15	Felling (\$/m ³)	3.12	3.10	3.20	3.19
16	Skidding (\$/m ³)	3.09	3.08	3.15	3.14
17	Delimbing (\$/m ³)	4.21	4.25	4.35	4.38
18	Loading (\$/m ³)	2.02	2.03	2.15	2.16
19	Hauling (\$/m ³)	8.20	6.11	8.30	6.21
20	Decompaction Cost (\$/km) [36]	1,143.00	0.00	1,143.00	0.00
21	Clearing/Pilling (\$/km)	3,557.05	2,124.04	3,557.05	2,124.04
22	Seedling/Planting Cost (\$/ha) [37]	1078.00	0.00	1078.00	0.00
23		Total Costs (\$)			
24	Harvesting Cost (\$)	7,817,311	14,608,495	8,027,436	15,000,729
25	RoadBuilding Cost (\$)	1,067,114	1,274,423	1,067,114	1,274,423
26	Decompaction Cost (\$)	342,900	0	342,900	0
27	Planting Cost (\$)¹	258,720	0	258,720	0
28	Hauling Cost (\$)	6,148,686	8,558,005	6,222,630	8,690,791
29	Loading Cost (\$)	1,516,351	2,846,919	1,609,304	3,020,433
30	Total Seasonal Costs (\$)	17,151,081	27,287,842	17,528,105	27,986,376
31	Total Annual Cost (\$)	44,438,923		45,514,480	
32	Idle Cost (\$) - Hauling	308,570		388,740	
33	Idle Cost (\$) - Loading	468,691		624,921	
34	Idle Cost (\$) - Harvesting	2,337,490		2,690,654	
35	Idle Cost (\$) - Total	3,114,751		3,704,315	
36	Total Costs of Harvesting & Hauling (\$/m³)	20.64	18.58	21.15	19.08
37	Total Unit Costs of Logging (\$/m³)	22.87	19.49	23.37	19.99
38		Number of Machines			
39	Felling	7	19	7	21
40	Skidding	9	24	9	26
41	Delimbing	14	37	14	41
42	Loading	5	11	5	13
43	Hauling	21	45	21	51
44	Excavator	3	5	3	5
45	¹ 8 meter wide, 1 km length of the road is 0.8 hectare. This conversion was used for seedling and planting of the access road.				