

# SIMULATION REPORT

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Reference Pattern:Pattern 1

Setup: Calculator.def

Comments: Demonstration Report

## Log Population Specifications

	Min	Max			
SED Limits	27.5	29.5	cm	Log Length	4.85 m
Taper Limits	6.0	10.0	mm/m	No. Logs	100
Ovality Limits	90.0	95.0	%		
Sweep Limits	8.0	12.0	mm	Total Vol.	29.399 m³
Heart Limits	20.0	30.0	%		

## Log Cost and Residual Wood Values

Log Royalty Rate	100.00	\$/m³	Chip Price	35.00	\$/m³
Total Value	2939.94	\$	Sawdust	5.00	\$/m³

## Log Presentation Error Limits

Total Rotational Error	+/-	5.0	degrees
Total Offset Error	+/-	10.0	mm
Total Skew Error	0.0 +/-	0.0	mm

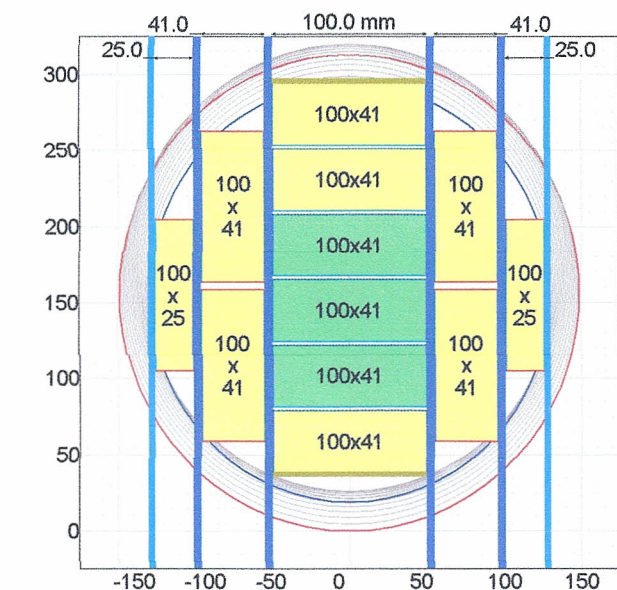
## Main Simulation Summary

	Volume (m³)	Percent (%)	Value (\$)
Total Log	29.399	100.0	2939.94
Green Sawn	21.705	73.8	7415.80
Total Chip	6.259	21.3	219.08
Total sawdust	4.555	15.5	22.78

## Recovery Summary

	Volume (m³)	Percent (%)	Value (\$)
Green Sawn Yield	21.705	73.8	7415.80
Dry Sawn Yield	19.506	66.3	7415.80
Dry Dressed Yield	16.511	56.2	7415.80
Gross Margin	152.25	\$/m³	
Trim Loss	3.8	(%)	

## Reference Pattern Graphic



Width	252.0	mm
Height	256.0	mm

## Board Count

### Cant Boards

Total Boards	600
Full Length Boards	597
Trimmed Boards	3
Boards to Edger	0
Sap Boards	366
Heart Boards	234

### Side Boards

Total Boards	610
Full Length Boards	371
Trimmed Boards	239
Sap Boards	610
Heart Boards	0
Unedged pieces to edger	398

Total Boards	1210
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### Product Summary

#### Center Cant - Sapwood Products

Section Size	Green Size	Pieces	Tot. Length	Ave. Length	Value/m	Tot. Value	Vol % of Tot	Val % of Tot
90 x 35	100.0 x 41.0	366	1755.91	4.80	1.58	2765.56	33.2	37.3

#### Center Cant - Heartwood Products

90 x 35	100.0 x 41.0	234	1123.20	4.80	0.79	884.52	21.2	11.9
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#### Side Boards - Sapwood Products

90 x 35	100.0 x 41.0	353	1668.30	4.73	1.58	2627.58	31.3	35.4
90 x 19	100.0 x 25.0	123	476.40	3.87	0.86	407.32	5.1	5.5
70 x 35	78.0 x 41.0	54	237.00	4.39	1.22	290.33	3.8	3.9
140 x 19	152.0 x 25.0	75	254.40	3.39	1.53	389.10	4.1	5.2
120 x 35	131.0 x 41.0	1	4.80	4.80	1.89	9.07	0.1	0.1
140 x 35	152.0 x 41.0	4	19.20	4.80	2.20	42.34	0.6	0.6

### Product Section - Length Distribution - Total

#### Cant Boards

Section Size	Green Size	Pieces	1.80	2.10	2.40	2.70	3.00	3.30	3.60	3.90	4.20	4.50	4.80
90 x 35	100.0 x 41.0	600	0	0	0	0	0	0	0	0	0	3	597

#### Side Boards

90 x 35	100.0 x 41.0	353	0	0	0	0	0	0	0	10	15	27	301
90 x 19	100.0 x 25.0	123	2	1	3	9	5	14	15	20	15	14	25
70 x 35	78.0 x 41.0	54	0	0	0	0	5	3	3	5	0	2	36
140 x 19	152.0 x 25.0	75	0	0	0	14	15	18	10	8	4	2	4
120 x 35	131.0 x 41.0	1	0	0	0	0	0	0	0	0	0	0	1
140 x 35	152.0 x 41.0	4	0	0	0	0	0	0	0	0	0	0	4

### Product Section - Length Distribution - Heartwood

Section Size	Green Size	Pieces	1.80	2.10	2.40	2.70	3.00	3.30	3.60	3.90	4.20	4.50	4.80
90 x 35	100.0 x 41.0	234	0	0	0	0	0	0	0	0	0	0	234

### Product Section - Length Distribution - Sapwood

Section Size	Green Size	Pieces	1.80	2.10	2.40	2.70	3.00	3.30	3.60	3.90	4.20	4.50	4.80
90 x 35	100.0 x 41.0	719	0	0	0	0	0	0	0	10	15	30	664
90 x 19	100.0 x 25.0	123	2	1	3	9	5	14	15	20	15	14	25
70 x 35	78.0 x 41.0	54	0	0	0	0	5	3	3	5	0	2	36
140 x 19	152.0 x 25.0	75	0	0	0	14	15	18	10	8	4	2	4
120 x 35	131.0 x 41.0	1	0	0	0	0	0	0	0	0	0	0	1
140 x 35	152.0 x 41.0	4	0	0	0	0	0	0	0	0	0	0	4