



MISTIK MANAGEMENT LTD.

AUGUST 2022

2020/2021 ANNUAL CERTIFICATION REPORT



Mistik Management Ltd. and L&M Wood Products
Forest Management Areas



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Mistik Management Ltd. Annual Certification Report 2020/21 Operating Year

for the
Mistik Management Ltd. and L&M Wood Products (2018) LP
Forest Management Agreement Areas.

Prepared by
Niska Hodgson, RPF
Planning Manager, Mistik Management Ltd.
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1 TABLE OF CONTENTS

1	Table of Contents.....	2
2	Introduction	3
3	Certification Target Summary	4
4	Certification Targets	4

2 INTRODUCTION

Mistik Management Ltd. (“Mistik”) provides forest management services on behalf of its owners, NorSask Forest Products LP (“NorSask”), and Meadow Lake Mechanical Pulp Inc. (“MLMP”), both located near Meadow Lake, SK. Mistik also provides forest management services for NorthWind Forest Products LP (“NorthWind”) located in Glaslyn SK. Both NorSask and NorthWind are owned by Meadow Lake Tribal Council.

Mistik and NorthWind conduct their forestry operations within the context of a 20-year Forest Management Plan (FMP) as required under provincial legislation and forest management agreements in Saskatchewan, Forest Management Plans must meet the requirements of the SK Environmental Code, Forest Management Planning Standard (“FMP standard”). Mistik’s FMP provides strategic-level direction for management of forest resources within the Mistik and L&M Forest Management Agreement areas¹. The FMP establishes goals, objectives, and strategies to guide forest management activities, describes desired future forest conditions, and seeks to address land and resource use. Mistik’s 2019-2039 20-year FMP was approved on May 23, 2019.

Mistik is required to track specific values, objectives, indicators, and targets that meet the Canadian Standards Association (CSA) Sustainable Forest Management Plan content requirements specified in the CAN/CSA-Z809 -16 Sustainable Forest Management Standard. In collaboration with our Public Advisory Group, we have established a sustainable forest management system accordingly.

Mistik is also certified to the FSC National Forest Stewardship Standard of Canada which represents the Canadian adaption of FSC’s global principles, criteria, and International Generic Indicators. The national adaptation of this international framework ensures that the specific standard requirements are locally relevant, applicable and workable, as well as guaranteeing its integrity across the broader FSC system. Standard requirements from the 10 FSC principles are measured, tracked and documented through management control over activities occurring in the forest.

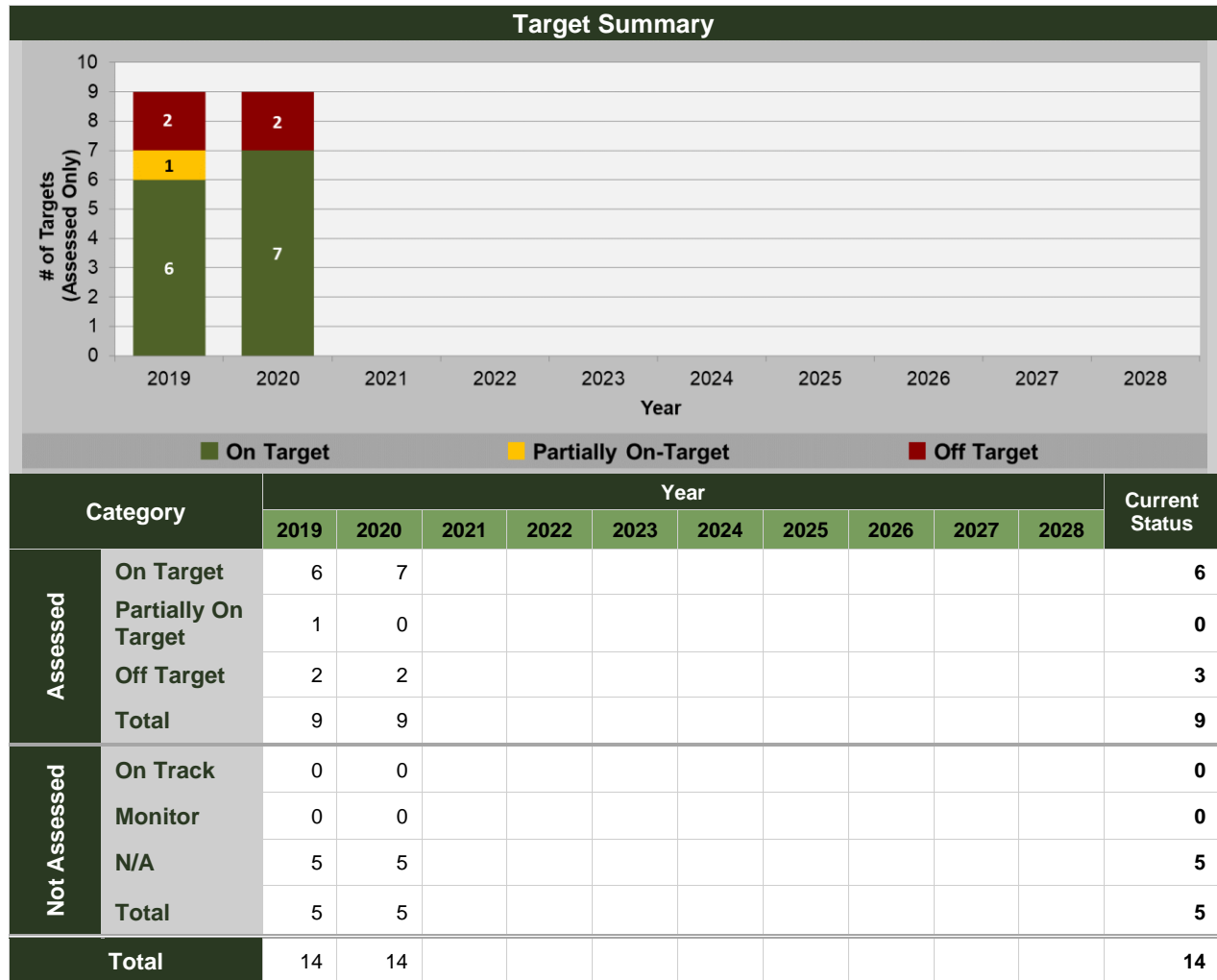
Annual reporting is required under both provincial legislation and certification programs. This information can be found in two documents:

1. Mistik Management Ltd. 2019-2039 20-year Forest Management Plan – Annual Report. Note that this document includes reporting information on items that required under both the FMP and certification programs.
2. Mistik Management Ltd. Annual Certification Report.

Both documents can be found on Mistik’s website (<https://www.mistik.ca/forest-management/2019-fmp>).

¹ The L&M Forest Management Agreement is now held by NorthWind Forest Products. Until such time as the L&M FMA is reassigned to NorthWind Forest Products LP, Mistik will continue to reference L&M throughout the FMP and annual reports for activities undertaken on the L&M Forest Management Agreement area.

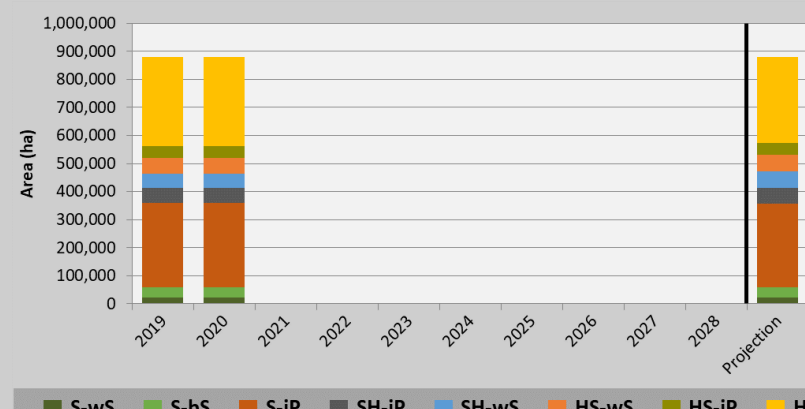
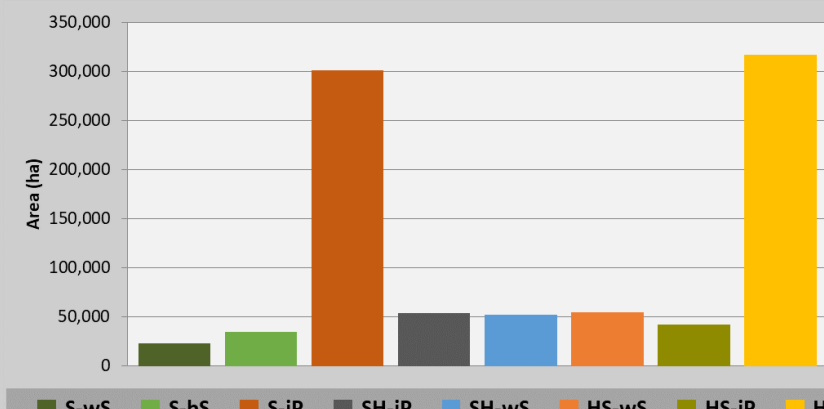
3 CERTIFICATION TARGET SUMMARY



4 CERTIFICATION TARGETS

Reporting Item	Description	Status (Parts)	Reporting Cycle	Assessment Cycle	Next Assessment Year	Location
Indicator #C-1	Proportion of SGR Forest Type area	Not Assessed (N/A)	Annual	N/A	N/A	Page 6.
Indicator #C-2	Operable Growing stock by SGR Forest Type (hardwood and softwood)	Not Assessed (N/A)	Annual	N/A	N/A	Page 7.

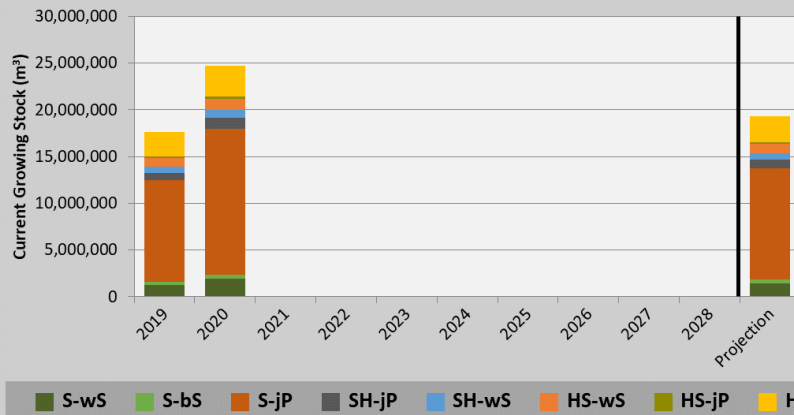
Reporting Item	Description	Status (Parts)	Reporting Cycle	Assessment Cycle	Next Assessment Year	Location
Indicator #C-3	Harvest volume by SGR Forest Type (hardwood and softwood)	Not Assessed (N/A)	Annual	N/A	N/A	Page 11.
Indicator #C-4	Percent of vegetation restoration species and seed mixes used in erosion control that are recommended by the province	On Target	Annual	Annual	Annual	Page 13.
Indicator #C-5	Insular retention area associated with harvest disturbance events	Off Target	N/A	N/A	N/A	Page 14.
Indicator #C-6	Number of advertisements made in local newspapers	On Target	Annual	Annual	Annual	Page 17.
Indicator #C-7	% of contractors who have received environmental and sustainable forest management awareness training	Off Target	Annual	Annual	Annual	Page 18.
Indicator #C-8	Map of known Woodland Caribou sightings	On Target	Annual	Annual	Annual	Page 19.
Indicator #C-9	Annual contributions to field monitoring of Woodland Caribou	On Target	Annual	Annual	Annual	Page 20.
Indicator #C-10	Level of downed woody debris	On Target (2/2)	Annual	Annual	Annual	Page 21.
Indicator #C-11	Net carbon (C) uptake	On Target	Annual	Annual	Annual	Page 23.
Indicator #C-12	Total area of natural disturbances (fire)	Not Assessed (N/A)	Annual	N/A	N/A	Page 26.
Indicator #C-13	Levels of employment	Not Assessed (N/A)	Annual	N/A	N/A	Page 27.
Indicator #C-14	Total person-days of work retained by persons of Aboriginal descent	On Target	Annual	Annual	Annual	Page 28.

Indicator #C-1	Proportion of SGR Forest Type Area	Status	Not Assessed (N/A)									
Target #C-1	N/A	Reporting Cycle Assessment Cycle	Annual N/A									
Total Area by SGR Forest Type		Current Area by SGR Forest Type										
												
<div><div>S-wS</div><div>S-bS</div><div>S-jP</div><div>SH-jP</div><div>SH-wS</div><div>HS-wS</div><div>HS-jP</div><div>H</div></div>		<div><div>S-wS</div><div>S-bS</div><div>S-jP</div><div>SH-jP</div><div>SH-wS</div><div>HS-wS</div><div>HS-jP</div><div>H</div></div>										
Area (ha) by SGR Forest Type	Year of Measurement										Current Status	10-Year FMP Projection
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
S-wS	23,012	23,012									23,012	23,383
S-bS	34,594	34,594									34,594	34,466
S-jP	301,193	301,189									301,189	298,192
SH-jP	54,044	54,044									54,044	56,712
SH-wS	51,771	51,771									51,771	59,996
HS-wS	54,359	54,359									54,359	59,565
HS-jP	42,184	42,184									42,184	40,778
H	317,298	317,252									317,252	305,417
Total	878,456	878,407									878,407	878,510
Comments	<ul style="list-style-type: none">• The 10-year FMP Projection is a prediction only and should not be considered a target.• Note that the total area slightly decreases over time due to landbase withdrawals (for example through the construction of permanent roads)• The 2019 areas have been adjusted for a small amount of area (approx. 50 ha) of 2020 disturbance that had been previously included in this year.											

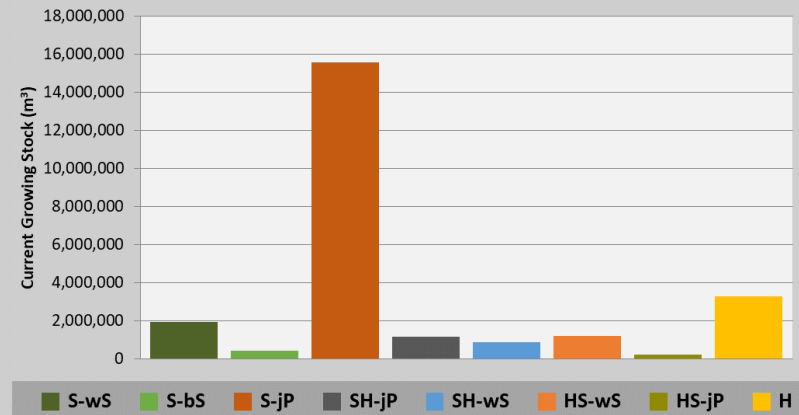
Indicator #C-2	Operable Growing Stock by SGR Forest Type Area (Hardwood and Softwood)	Status	Not Assessed (N/A)
Target #C-2	N/A	Reporting Cycle	Annual
		Assessment Cycle	N/A

Part 1 - Softwood

Total Operable Growing Stock by SGR Forest Type



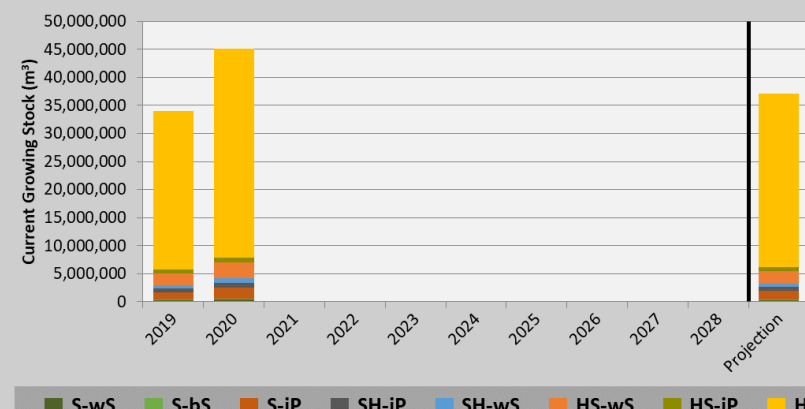
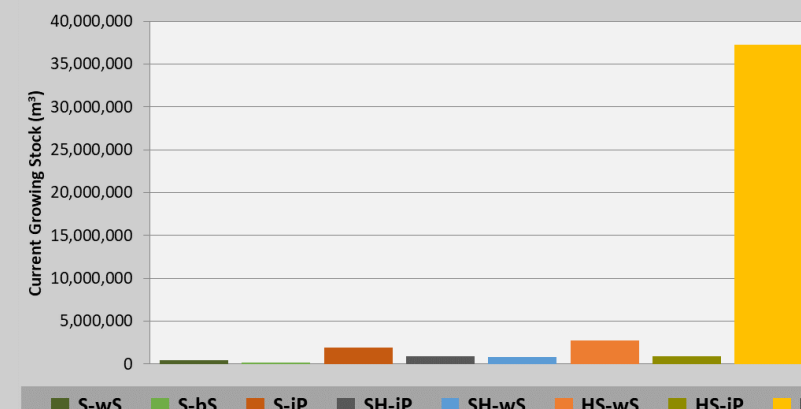
Current Operable Growing Stock by SGR Forest Type



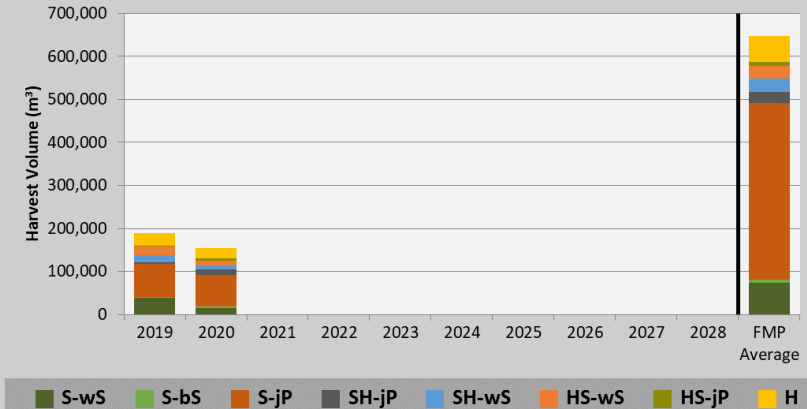
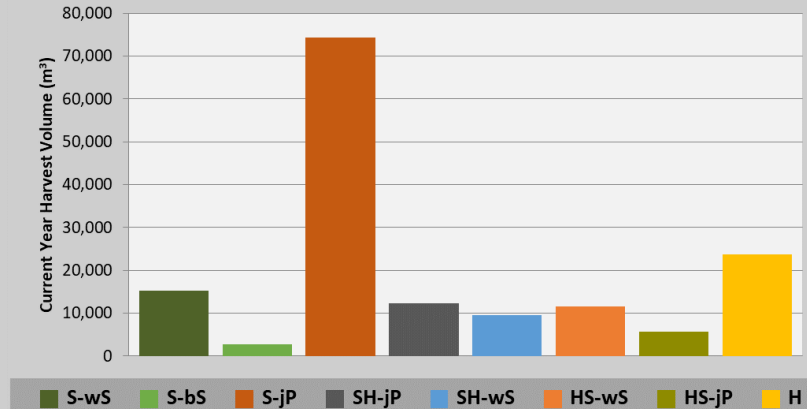
Volume (m³) by SGR Forest Type	Year of Measurement										Current Status	10-Year FMP Projection
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
S-wS	1,279,668	1,923,290									1,923,290	1,401,559
S-bS	273,821	443,474									443,474	405,758
S-jP	10,893,247	15,586,614									15,586,614	11,941,292
SH-jP	822,514	1,161,281									1,161,281	942,147
SH-wS	614,980	861,200									861,200	635,745
HS-wS	929,005	1,209,979									1,209,979	985,073
HS-jP	189,410	243,096									243,096	188,561
H	2,573,973	3,287,714									3,287,714	2,787,602
Total	17,576,619	24,716,649									24,716,649	19,287,737

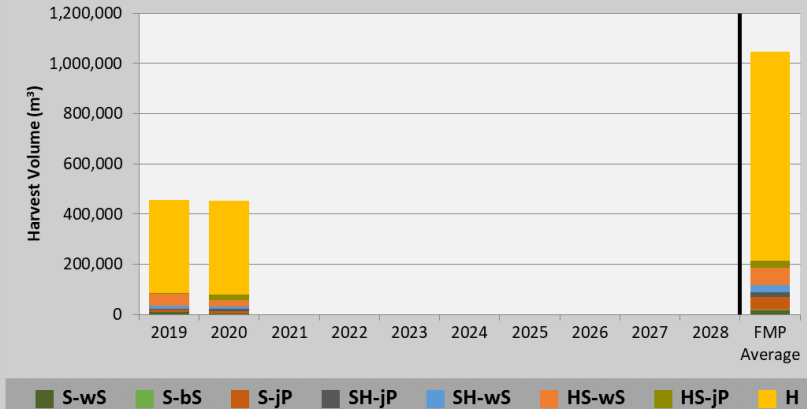
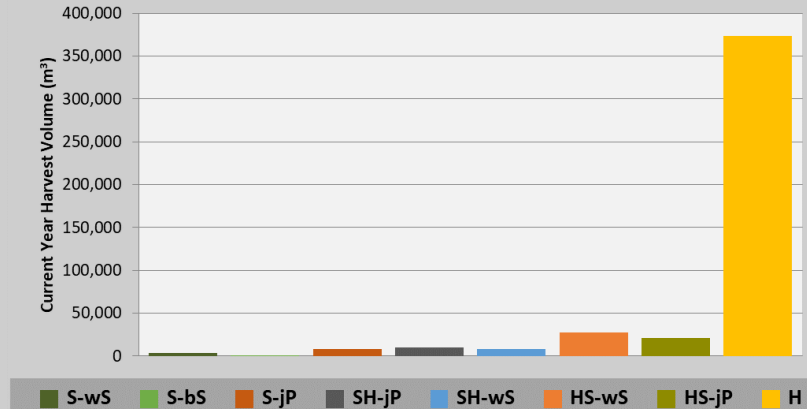
Comments

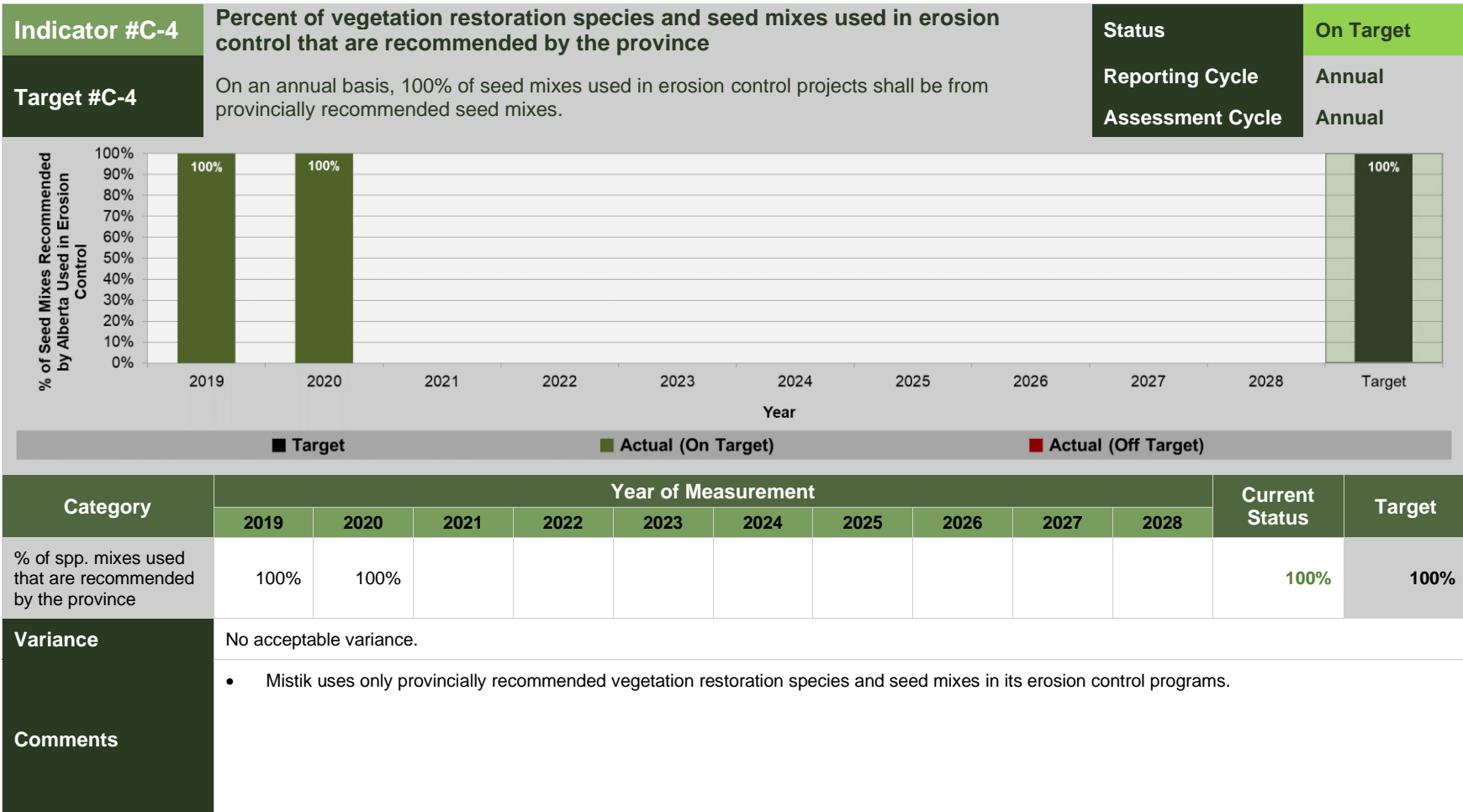
- The 10-year FMP Projection is a prediction only and should not be considered a target.
- “Operable Growing Stock” refers to the amount of timber volume available, at the current time period, within each SGR Forest Type above the minimum harvest age (100 for S-WS/S-BS, 90 for SH-WS, 80 for HS-JP/HS-WS/SH-JP, and 70 for S-JP/H stands). Some softwood growing stock can be found in hardwood stands, and vice versa, due to incidental volume present (e.g., a deciduous stand with a small conifer component).
- Large differences in growing stock between 2019 and 2020 are largely caused by the aging of stands within the landbase, as stands are typically assigned an origin in the SFVI in an increment of 10 years (e.g., 1910, 1920, 1930, etc.), and these stands switch to the next age class also in years in increments of 10 (e.g., 2020), resulting in large amounts of area becoming operable in 2020, as well as an increase in volume for all stands (as volumes are also assigned based on 10-year age classes).

Indicator #C-2	Operable Growing Stock by SGR Forest Type Area (Hardwood and Softwood)										Status	Not Assessed (N/A)	
Target #C-2	N/A										Reporting Cycle	Annual	
Assessment Cycle													N/A
Part 2 - Hardwood													
Total Operable Growing Stock by SGR Forest Type							Current Operable Growing Stock by SGR Forest Type						
													
<div><div>S-wS</div><div>S-bS</div><div>S-jP</div><div>SH-jP</div><div>SH-wS</div><div>HS-wS</div><div>HS-jP</div><div>H</div></div>							<div><div>S-wS</div><div>S-bS</div><div>S-jP</div><div>SH-jP</div><div>SH-wS</div><div>HS-wS</div><div>HS-jP</div><div>H</div></div>						
Volume (m³) by SGR Forest Type	Year of Measurement										Current Status	10-Year FMP Projection	
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028			
S-wS	281,186	420,001									420,001	306,959	
S-bS	72,761	118,936									118,936	108,979	
S-jP	1,356,780	1,953,517									1,953,517	1,488,186	
SH-jP	642,801	891,621									891,621	724,048	
SH-wS	573,029	804,949									804,949	594,096	
HS-wS	2,148,876	2,768,316									2,768,316	2,278,421	
HS-jP	689,667	874,189									874,189	675,006	
H	28,187,921	37,210,342									37,210,342	30,882,801	
Total	33,953,021	45,041,870									45,041,870	37,058,496	
Comments	<div><div></div><div><div><div></div><div>The 10-year FMP Projection is a prediction only and should not be considered a target.</div><div>"Operable Growing Stock" refers to the amount of timber volume available, at the current time period, within each SGR Forest Type above the minimum harvest age (100 for S-WS/S-BS, 90 for SH-WS, 80 for HS-JP/HS-WS/SH-JP, and 70 for S-JP/H stands). Some softwood growing stock can be found in hardwood stands, and vice versa, due to incidental volume present (e.g., a deciduous stand with a small conifer component).</div></div></div></div>												

- Large differences in growing stock between 2019 and 2020 are largely caused by the aging of stands within the landbase, as stands are typically assigned an origin in the SFVI in an increment of 10 years (e.g., 1910, 1920, 1930, etc.), and these stands switch to the next age class also in years in increments of 10 (e.g., 2020), resulting in large amounts of area becoming operable in 2020, as well as an increase in volume for all stands (as volumes are also assigned based on 10-year age classes).

Indicator #C-3	Harvest Volume by SGR Forest Type Area (Hardwood and Softwood)									Status	Not Assessed (N/A)	
Target #C-3	N/A									Reporting Cycle	Annual	
Assessment Cycle												N/A
Part 1 - Softwood												
Total Harvest Volume by SGR Forest Type							Current Year Harvest Volume by SGR Forest Type					
												
Harvest Volume (m³) by SGR Forest Type												
Year of Measurement												
Current Status												
10-Year FMP Average												
2019												
2020												
2021												
2022												
2023												
2024												
2025												
2026												
2027												
2028												
S-wS												
S-bS												
S-jP												
SH-jP												
SH-wS												
HS-wS												
HS-jP												
H												
Total												
Comments												
The 10-year FMP Average is a prediction only and should not be considered a target.												
The above volumes are estimates based on FMP yield curves, not actual harvested volumes, as these are not tracked to the stand inventory level. Actual harvested polygons are used to identify the amount of each stand type harvested on the landbase, and FMP average yield projections are applied to these areas to generate predicted volumes by stand type.												

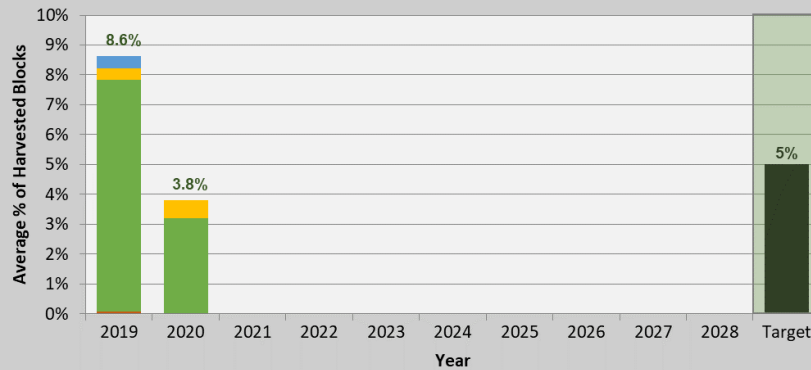
Indicator #C-3	Harvest Volume by SGR Forest Type Area (Hardwood and Softwood)									Status	Not Assessed (N/A)			
Target #C-3	N/A									Reporting Cycle	Annual			
Assessment Cycle												N/A		
Part 2 - Hardwood														
Total Harvest Volume by SGR Forest Type							Current Year Harvest Volume by SGR Forest Type							
														
<div><div>S-wS</div><div>S-bS</div><div>S-jP</div><div>SH-jP</div><div>SH-wS</div><div>HS-wS</div><div>HS-jP</div><div>H</div></div>														
Harvest Volume (m³) by SGR Forest Type	Year of Measurement										Current Status	10-Year FMP Average		
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028				
	S-wS	10,151	3,850										3,850	16,941
	S-bS	326	480										480	1,553
	S-jP	7,345	8,426										8,426	51,525
	SH-jP	3,591	10,054										10,054	19,849
	SH-wS	14,182	8,383										8,383	28,375
	HS-wS	46,232	27,417										27,417	68,577
	HS-jP	5,047	20,710										20,710	28,400
H	369,003	373,412								373,412	831,435			
Total	455,878	452,732									452,732	1,046,653		
Comments	<div><div></div><div><div></div><div>The 10-year FMP Projection is a prediction only and should not be considered a target.</div><div></div><div>The above volumes are estimates based on FMP yield curves, not actual harvested volumes, as these are not tracked to the stand inventory level. Actual harvested polygons are used to identify the amount of each stand type harvested on the landbase, and FMP average yield projections are applied to these areas to generate predicted volumes by stand type.</div></div></div>													



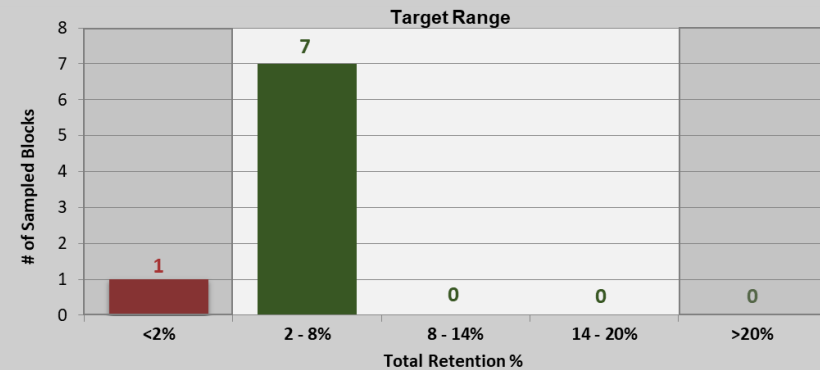
Indicator #C-5	Insular retention area associated with harvest blocks	Status	Off Target
Target #C-5	For the Mistik FMA and L&M areas, based on an annual minimum sample of 10% of the number of harvested blocks (typically one block per management unit): a.) The total area of merchantable timber left as retention (including islands, clumps, and dispersed residuals) will be greater than or equal to 5% of the harvested area on average, with a target range of 2 – 20% for individual blocks. b.) An average of 2 trees per hectare in merchantable dispersed residuals will be maintained.	Reporting Cycle	Annual
		Assessment Cycle	Annual

Part 1 – Total Retention (All types)

Average Retention %, by Type



Current Blocks, by Total Retention %



Harvested Block Area, by Category	Year of Measurement										Current Status	Target
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
Dispersed Residuals (Avg. %)	0.1%	0.0%									0.1%	N/A
Clumps (Avg. %)	7.8%	3.2%									3.2%	N/A
Islands (Avg. %)	0.4%	0.6%									0.6%	N/A
Peninsular Retention (Avg. %)	0.4%	0.0%									0.0%	N/A
Total (Avg. %)	8.6%	3.8%									3.8%	≥ 5%
Total (% Range)	3.3 - 14.0%	1.8 - 6.8%									1.8 - 6.2%	2 - 20%
Variance	No acceptable variance.											

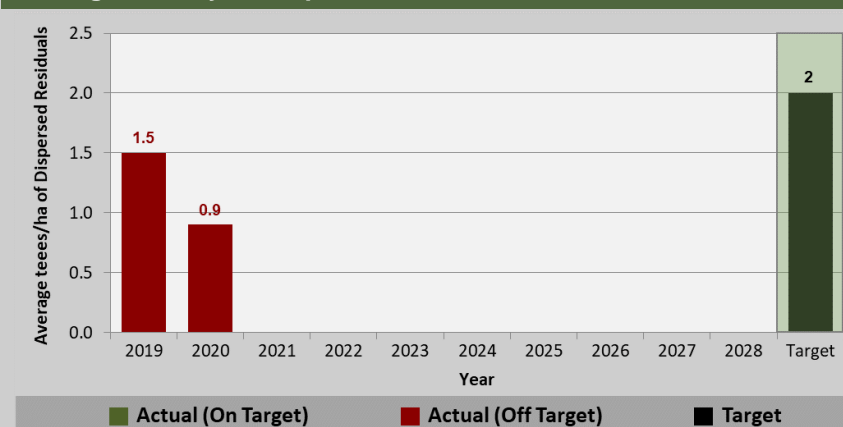
Comments

- Assessments are completed using a combination of satellite imagery delineation and onsite field verification of each block.
- 8 blocks from MUs 01, 02, 03, 04, 07, 08, 12, and 85 were sampled from the 2020-21 timber year, with a combined area of 594 ha.
- Types of retention are defined as follows:
 - “Dispersed Residual” = Groups of up to 4 trees of merchantable size (alive or dead)
 - “Clump” = Groups of 5 or more trees, less than 1 ha in size
 - “Island” = 1 ha or greater in size
 - “Peninsular Retention” = riparian area within blocks (i.e., not along boundary) associated with ephemeral watercourses.
- Mistik recognizes that these numbers are lower than the targets and we will work with contractors and supervisors to ensure adequate retention is being left in harvest blocks and events.

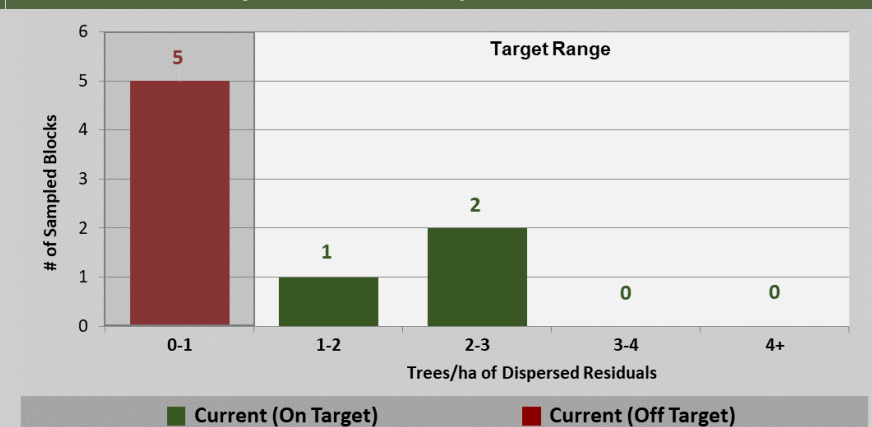
Indicator #C-5	Insular retention area associated with harvest blocks	Status	Off Target
Target #C-5	For the Mistik FMA and L&M areas, based on an annual minimum sample of 10% of the number of harvested blocks (typically one block per management unit): a.) The total area of merchantable timber left as retention (including islands, clumps, and dispersed residuals) will be greater than or equal to 5% of the harvested area on average, with a target range of 2 – 20% for individual blocks. b.) An average of 2 trees per hectare in merchantable dispersed residuals will be maintained.	Reporting Cycle	Annual
		Assessment Cycle	Annual

Part 2 – Dispersed Residuals

Average Density of Dispersed Residuals



Current Blocks, by Trees/Ha of Dispersed Residuals



Category	Year of Measurement										Current Status	Target
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
Average trees/ha of dispersed residuals (Live)	0.8	0.7									0.7	N/A
Average trees/ha of dispersed residuals (Dead)	0.7	0.2									0.2	N/A
Average trees/ha of dispersed residuals (Total)	1.5	0.9									0.9	2.0
Variance	No acceptable variance.											
Comments	<ul style="list-style-type: none"> Assessments are completed using a combination of satellite imagery delineation and onsite field verification of each block. 8 blocks from MUs 01, 02, 03, 04, 07, 08, 12, and 85 were sampled from the 2020-21 timber year, with a combined area of 594 ha. “Dispersed Residual” = Groups of up to 4 trees of merchantable size (alive or dead). Mistik recognizes that these numbers are lower than the targets and we will work with contractors and supervisors to ensure adequate retention is being left in harvest blocks and events. 											

Indicator #C-6	Number of advertisements made in local newspapers advising the public of the opportunity to report on perceived forestry non-compliances and activities that threaten environmental or other values.										Status	On Target
Target #C-6	On an annual basis, one advertisement will be published in the local newspaper.										Reporting Cycle	Annual
											Assessment Cycle	Annual
<div><div># of Ads in Local Newspapers</div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></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Indicator #C-7

Percent of Mistik contractors who have received annual environmental and sustainable forest management awareness training

Status

Off Target

Target #C-7

On an annual basis, achieve environmental and sustainable forest management awareness training of 100% of Mistik's forestry contractors.

Reporting Cycle

Annual

Assessment Cycle

Annual



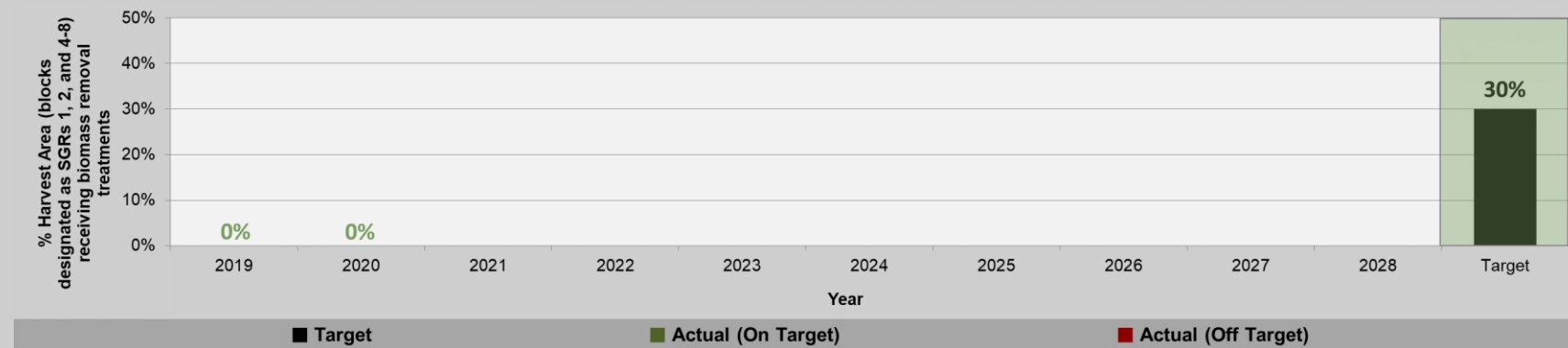
Category	Year of Measurement										Current Status	Target
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
% of contractors receiving environmental and sustainable forest management training	98%	95%									95%	100%
Variance	No acceptable variance.											
Comments	<ul style="list-style-type: none"> Three contractors did not receive training in 2020. 											

Indicator #C-8	Map of known Woodland Caribou sightings								Status	On Target
Target #C-8	On an annual basis, maintain a GIS map product of all known sightings of Woodland Caribou within the Mistik FMA area.								Reporting Cycle	Annual
									Assessment Cycle	Annual
Category	Year of Measurement									
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Number of New Additions	2	3								
Map Produced?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Variance	No acceptable variance.									
	<ul style="list-style-type: none"> See attached Caribou Sightings Map. 									
Comments										

Indicator #C-9	Annual contributions to field monitoring of Woodland Caribou								Status	On Target
Target #C-9	On an annual basis, contribute funding to aid in field monitoring caribou populations within the Mistik FMA area or implement a limited Mistik field monitoring program.								Reporting Cycle	Annual
	Assessment Cycle								Assessment Cycle	Annual
Category	Year of Measurement									
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Contribution (\$/recipient)	\$0	\$773.54								
Contributions Met?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Variance	No acceptable variance.									
Comments	<ul style="list-style-type: none"> Mistik has deployed a series of high-quality game cameras to capture images and/or video of significant species (species at risk, species of interest and study species). The cameras are set up at key seasonal locations in an attempt to record species numbers, condition, and direction of travel. Cameras are checked on a semi-regular basis (2-3 months) to limit potential disturbance. 									

Indicator #C-10	Level of downed woody debris	Status	On Target
Target #C-10	On an annual basis: 1.) Less than 30% (with an upper limit of 40%) of the annual harvest area of harvest blocks designated as SGRs #1, #2, and #4-8 shall be impacted by biomass removal operations, and 2.) 0% of jack pine (SGR #3) shall be impacted by biomass removal operations.	Reporting Cycle	Annual
		Assessment Cycle	Annual

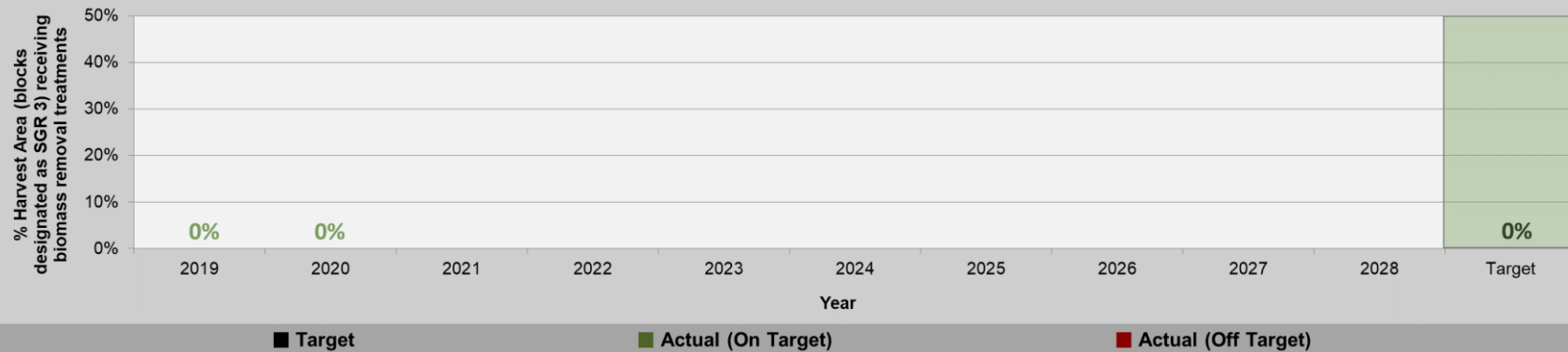
Part 1: SGRs #1, #2, and #4-8



Category	Year of Measurement										Current Status	Acceptable Range
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
% of annual harvest area (SGRs #1, #2, and #4-8) impacted by biomass removal operations	0%	0%									0%	0 - 40%
Variance	10% acceptable variance (Target: <30%, Acceptable range: 0 - 40%)											
	<ul style="list-style-type: none"> There were no biomass removal operations in the 2020 operating year. 											
Comments												

Indicator #C-10	Level of downed woody debris	Status	On Target
Target #C-10	On an annual basis: 1.) Less than 30% (with an upper limit of 40%) of the annual harvest area of harvest blocks designated as SGRs #1, #2, and #4-8 shall be impacted by biomass removal operations, and 2.) 0% of jack pine (SGR #3) shall be impacted by biomass removal operations.	Reporting Cycle	Annual
		Assessment Cycle	Annual

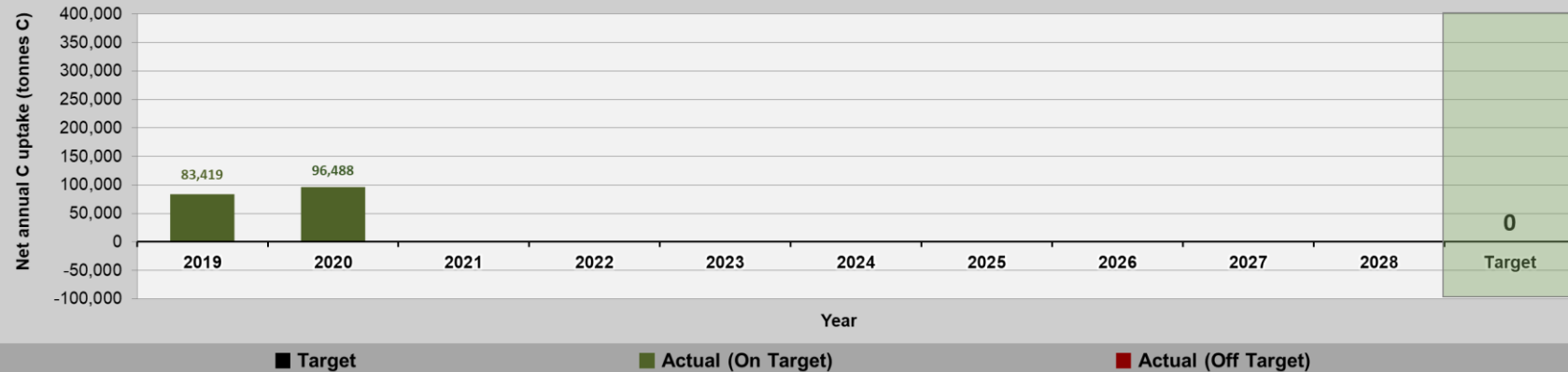
Part 2: SGR #3 (Jack Pine)



Category	Year of Measurement										Current Status	Target
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
% of annual harvest area (SGR #3) impacted by biomass removal operations	0%	0%									0%	0%
Variance	No acceptable variance.											
Comments	<ul style="list-style-type: none"> There were no biomass removal operations in the 2020 operating year. 											

Indicator #C-11	Net carbon (C) uptake	Status	On Target
Target #C-11	Of the net productive landbase of the Mistik FMA area, net carbon uptake shall be ≥ 0 tonnes on an annual basis.	Reporting Cycle	Annual
		Assessment Cycle	Annual

Part 1: Upland



Category	Year of Measurement											Current Status	Target
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
Estimated Ecosystem C (tonnes)	233,230,281	233,335,747	233,452,540									233,452,540	N/A
Annual C Uptake (tonnes)	N/A	105,466	116,794										
Emissions from Forest Operations (tonnes)	N/A	22,046	20,305									20,305	N/A
Net Annual C Uptake (tonnes)	N/A	83,419	96,488									96,488	≥ 0
Variance	No acceptable variance.												
Comments	<ul style="list-style-type: none"> Net Annual C Update is calculated as the annual C accumulation, less emissions from forest operations. Estimates of upland carbon stocks/accumulation are derived using the Canadian Forest Service CBM-CFS3 Carbon Budget Model, for productive contributing landbase area only. The 2018 values were re-calculated using the updated FMP landbase and will therefore differ from those reported in the 2018 Annual Report. 												



2020/21 ANNUAL CERTIFICATION REPORT

PROJECT #E-206
AUGUST 2022

- Values for emissions from forest operations are estimated based on a baseline estimate of 20,048 tonnes, weighted by total volume harvested each year.


Indicator #C-11	Net carbon (C) uptake	Status	On Target
Target #C-11	Of the net productive landbase of the Mistik FMA area, net carbon uptake shall be ≥ 0 tonnes on an annual basis.	Reporting Cycle	Annual
		Assessment Cycle	Annual

Part 2: Wetland



Category	Year of Measurement										Current Status	Target
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
Total Wetland Area (All Types (ha))	890,982	890,982									890,982	N/A
% Wetland Area (All Types)	50%	50%									50%	N/A
Estimated wetland soil carbon (tonnes)	823,410,833	823,410,833									823,410,833	N/A
Variance	N/A											
Comments	<ul style="list-style-type: none"> In June 2019, Mistik Management Ltd and Ducks Unlimited Canada (DUC) renewed a Memorandum of Understanding (MOU) committing to partner on various projects to advance wetland and waterfowl stewardship. Part of this commitment includes an inventory and assessment of Mistik's FMA and Controlled Wood Supply areas for wetland habitat and carbon storage estimates. These estimates represent the most recent estimations of wetland soil carbon on the FMA, using estimated mean soil organic carbon densities for 19 detail wetland classes. Note that these estimates were generated using different methodology from those in Part 1 and may not be directly comparable. While these estimates are not updated annually, future updates to this assessment of wetlands in Mistik's FMA may be completed as part of this partnership, in which case the estimates above will be updated. <p>¹ Mistik Management Ltd. and Ducks Unlimited Canada. (2020). <i>Boreal Wetlands and Waterfowl: A Commitment to Stewardship Activities in Saskatchewan: Comprehensive Review</i>. Unpublished report.</p>											

Indicator #C-12	Total area of natural disturbances (fire)									Status	Not Assessed (N/A)
Target #C-12	N/A									Reporting Cycle	Annual
										Assessment Cycle	N/A



Year	Fires (ha)	Other (ha)
2019	70	0
2020	0	0
2021	0	0
2022	0	0
2023	0	0
2024	0	0
2025	0	0
2026	0	0
2027	0	0
2028	0	0

Category	Year of Measurement										Current Status	Cumulative Average
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
Fire disturbance area (ha)	70	0									0	35
Other disturbance area (ha)	0	0									0	0
Total disturbance area (ha)	70	0									0	35
Variance	N/A											
Comments	<ul style="list-style-type: none"> No fires occurred in 2020 Fire disturbance area is based on fire boundaries provided by the Government of Saskatchewan. Other disturbance types may include insect disturbance, disease, blowdown, etc. These are only mapped/reported in the event that a very large and disruptive event occurs (i.e., approaching 10% of the contributing forested landbase). 											

Indicator #C-13

Levels of employment

Target #C-13

N/A

Status

Not Assessed
(N/A)

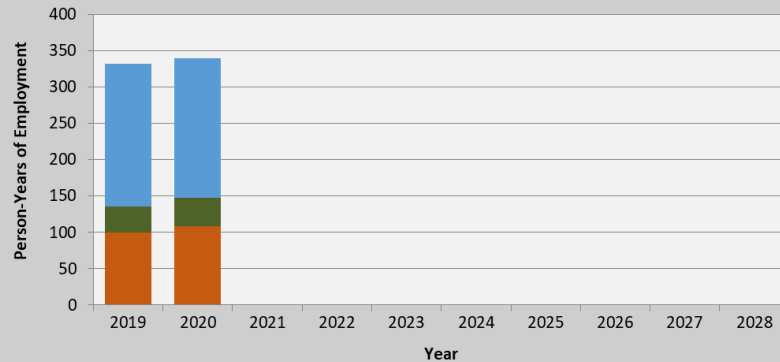
Reporting Cycle

Annual

Assessment Cycle

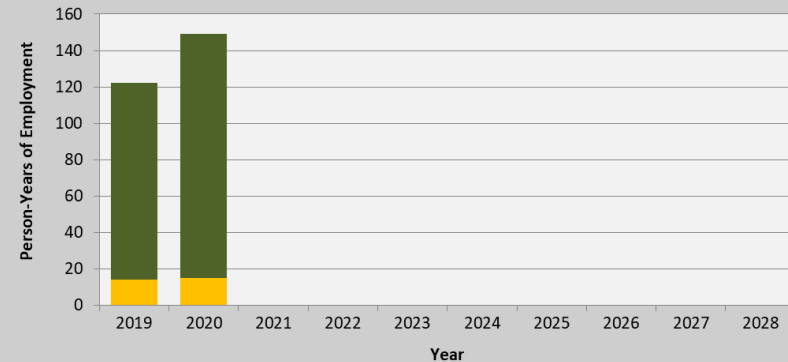
N/A

Mill Employment



■ NorSask Forest Products
 ■ L&M Wood Products
 ■ Meadow Lake Pulp

Woodlands Operations Employment



■ Mistik (Woodlands)
 ■ Mistik (Contractors)

Person-Years of Employment (years), by Category	Year of Measurement										Cumulative Average
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	
NorSask Forest Products LP	100	108									104
L&M Wood Products LP	36	39									38
Meadow Lake Mechanical Pulp Inc.	196	192									194
Mistik Management Ltd. (Woodlands)	14	15									15
Mistik Management Ltd. (Contractors)	108	134									121
Total	454	488									471
Variance	N/A										
Comments	<ul style="list-style-type: none"> Note that the number of person-years of employment for Mistik contractors is estimated based on the # of employees at each contractor, and the # of weeks worked by that contractor (assuming a 52-week year). All categories except for Meadow Lake Mechanical Pulp Inc. exhibited increased person-years of employment in the 2020 operating year. 										

Indicator #C-14

Total person-days of work retained by persons of Indigenous descent

Status

On Target

Target #C-14

On an annual basis, achieve greater than 60% of total person-days of Mistik related work retained by persons of Indigenous ancestry.

Reporting Cycle

Annual

Assessment Cycle

Annual



Category	Year of Measurement										Current Status	Target
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		
% of Mistik's total person-days of work retained by persons of Indigenous ancestry	63.0%	64.5%									64.5%	60%
Variance	No acceptable variance.											
Comments	<ul style="list-style-type: none"> Data is based on employment data from NorSask Forest Products LP, L&M Wood Products (2018) LP, Mistik Management Ltd., and all woodlands contractors hired by Mistik Management Ltd. Data from Meadow Lake Mechanical Pulp Inc. is not available. The number of person-years of employment for Mistik contractors is estimated based on the # of employees and indigenous employees at each contractor, and the # of weeks worked by that contractor (assuming a 52-week year). Numbers previously reported for 2019 had only included Mistik's contractors and have been revised to include all of the companies above. 											