



Information Package

For the

***General Development Plan
2020-2025***

"Sustainable Stewardship of Alberta's Forests"

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Introduction

The purpose of this information package is to describe Vanderwell Contractors (1971) Ltd.'s (Vanderwell's) five-year General Development Plan (GDP). This includes proposed activities, locations of activities, and potential impacts to other resource users.

Vanderwell carries out forest management activities on Forest Management Areas (FMA's) held by; Vanderwell, Alberta - Pacific Forest Industries Inc. (Al-Pac), Slave Lake Pulp Corporation, and a joint FMA held by Vanderwell, Tolko Industries Ltd., and Alberta Plywood.

This Information Package will review the following items:

- Consultation Process
- Current company profile
- Forest Management in Alberta
- Fibre Production
- Road planning and development
- Silviculture Activities
- Integrated Resource Management
- Conclusion

Consultation Process

Consultation between Vanderwell and Aboriginal Groups is part of our commitment to sustainable development and community building goals. Consultation will follow the process detailed in the Government of Alberta's Guidelines on Consultation, which includes sharing information and exploring site specific concerns, however our commitment to ongoing consultation and information sharing with Aboriginal groups is not limited to the Government of Alberta consultation process. We are committed to ongoing and meaningful communication with Aboriginal groups.

Current Company Profile

Vanderwell Contractors (1971) Ltd. operates a modern sawmill/planer mill complex located 20 km east of Slave Lake. The mill typically will produce approximately 150 million board feet annually. Vanderwell produces lumber products in 2x6, 2x4, 2x3 and 1x4's random lengths to a minimum of 7 feet.

As part of Vanderwell's commitment to full utilization, chips are captured from slabs, edgings and unmerchantable pieces and sold to pulp mills. Shavings produced in the planer mill are bagged and used in the livestock/agriculture industry. Other waste material such as fines from shavings and some sawdust are separated, dried and manufactured into crumbled wood pellets that are used as livestock bedding and as fuel for pellet burning wood stoves. Bark and sawdust (hog fuel) are currently sold as a source of fuel to generate electricity.

Crown land on which Vanderwell operates is managed under long term Forest Management Plans (FMPs).

- FMPs ensure a continuous supply of timber for the mill
- FMPs are updated every 10 years
- Non-timber values are incorporated to calculate available timber
- Forest characteristics are forecasted 200 years to ensure sustainability

Vanderwell aims to meet goals which directly affect Aboriginal people, including:

- Maintain uncommon plant communities when found
- Maintain integrity of sensitive sites
- Give local businesses, contractors, and stakeholders consideration for opportunities
- Make timber volume available through the Miscellaneous Timber Use (MTU) program
- Identify and protect historic sites
- Aboriginal Consultation

Fibre Production

The following two pie charts show Vanderwell's most up to date harvest distribution over the past five years, and the current proposed harvest distribution for the next five years, by Forest Management Unit (Figure 2). The General Development Plan map and the accompanying smaller scale maps clearly show the locations of each of the FMUs. More detailed information about the past five years harvest volumes, and the predicted harvest volumes for the upcoming five years can be found in Appendix I.

Please note that during the 2019-20 harvest season, fire salvage volume was harvested, and that volume has been included in the summary of 5-year Completed Harvest Volume Distribution by FMU shown in Figure 2.

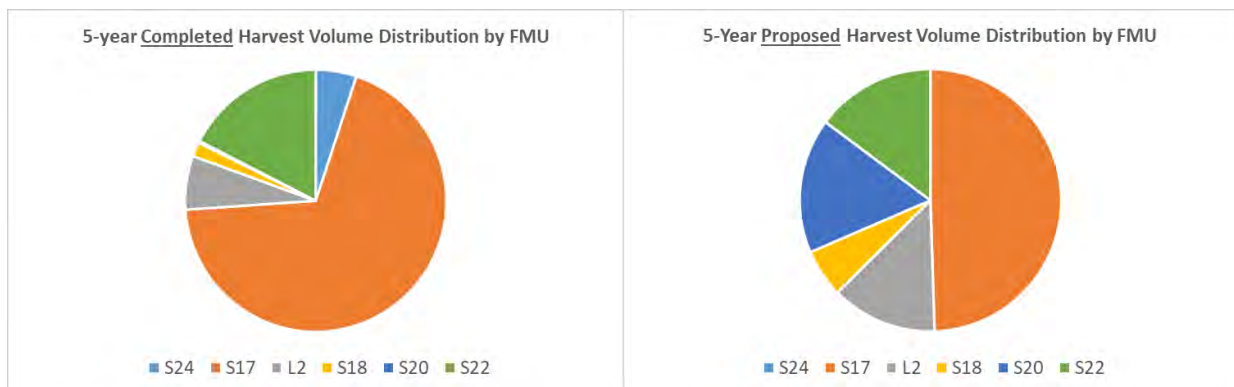


Figure 2. Vanderwell harvest volume distribution over the past five years (left), and proposed volume distribution for the upcoming five years (right).

Road Planning and Development

The attached GDP map shows the locations of roads that are described within this section.

In this section the following topics will be discussed:

- Road construction
- Road maintenance and reclamation
- Access management
- Annual creek crossing and road monitoring program

Road Construction

There are no plans to construct any Class I, II or III (permanent) roads during the period of this GDP.

Road Maintenance and Reclamation

Vanderwell permanent roads, called Department Licence of Occupation (DLO) roads, are inspected annually (if permanent crossings are in place) to ensure that erosion and road surface degradation is minimized. If crossings are removed on a Vanderwell DLO road, the road will be assessed annually until vegetation is re-established and erosion is no longer a concern.

Vanderwell also uses temporary roads to access harvest blocks. In-block roads and previously forested roads are filled in and revegetated (reclaimed) after hauling activities have ended. This excludes entry from the public and allows the area to regenerate with minimal disturbance.

Access Management

Access management structures will be used to protect the road surface, to minimize the risk of timber and equipment theft and/or to limit potential disturbance to wildlife such as caribou.

Access may be controlled through locked gates, dirt berms, or wooden construction barriers at entrances. The barrier is intended to restrict motorized vehicles, with the exception of all-terrain vehicles.

Annual Creek Crossing Monitoring Program

Vanderwell will ensure that all creek crossings are maintained and reclaimed in a manner that allows creek water to flow as it did prior to crossing installation. No

deleterious material is to enter the watercourse, and no person is to carry out any work that would cause harm to fish habitat.

DLO Roads & Non-DLO Roads

DLO's that have permanent crossings will be inspected annually. Non-DLO roads are always non-permanent (temporary) roads.

Any temporary crossing that has been removed will be assessed as having either a low, medium or high likelihood of having additional environmental issues. Crossings with either medium or high likelihood of having additional environmental issues will be inspected annually until the crossing is determined to have a low likelihood of having additional environmental issues.

Other Incidental Activities within Operating Areas

Harvest blocks may be used for the following:

- Log storage
- Temporary work camps
- Mix sites

Camps will be situated either within harvested stands, or within existing disturbed areas that are not currently under disposition. Upon removal of camps, land will be reclaimed and reforested as part of our land management obligations. Although the current location of work camps is not known, possible camp locations are shown on the General Development Plan map that has been submitted with this document.

Log Storage Sites (Offsite Yards) are locations outside of harvested stands used to temporarily store logs to aid with hauling the harvested wood. These sites are important in aiding the reclamation process of the harvested blocks while ensuring sustainable access to the harvested wood for Vanderwell. These locations are identified on the accompanying GDP map.

Silviculture Activities

Vanderwell Contractors (1971) Ltd. commonly undertakes the following silviculture activities:

- Mechanical site preparation
- Tree planting
- Tending of crop trees
- Regeneration Surveys

Reforestation is a required component of forest management on public land in Alberta. Silvicultural activities such as site preparation, tree planting, crop tending

(commonly herbicide use), and regeneration surveys ensure that forest stands are being maintained over the long term, and that they consist of the same tree species and species composition that have previously existed on the landscape.

Integrated Resource Management

It is important for Vanderwell to consider the needs of other forest users when planning and conducting our operations. Vanderwell strives to integrate our planning and operations with all resource users.

Resource users include groups such as:

- Aboriginal Groups
- Trappers
- Other Forestry Companies
- Oil and Gas Companies
- Government of Alberta
- Tour Operators and Outfitters
- General Public

Aboriginal Groups

If Vanderwell has operations planned on any Aboriginal groups' traditional areas, Vanderwell will consult with the affected Aboriginal groups to ensure that best management practices are being met, and site specific concerns are being addressed.

Trappers

Vanderwell contacts registered trappers that could be impacted by our operations. This is done by

- Sending Forest Harvest Plan copies to any trapper with a trap line that intersects a harvest area
- Discussing concerns the trapper may have
- Contacting the trappers approximately two weeks prior to operations commencing, to allow the trapper time to remove any traps and caches that may get damaged if not moved.

Other Resource Users

Forest Companies

Vanderwell provides copies of the GDP to forest companies with overlapping dispositions for their comments.

Oil and Gas Companies

Vanderwell attempts to integrate plans with Oil and Gas Industry where possible to utilize common roads and crossings.

Government of Alberta

Vanderwell submits copies of all General Development Plans, Final Harvest Plans, and Annual Operating plans, as well as other plans as required, to the Government of Alberta for review and approval.

Tour Operators and Outfitters

If a tour operator or guide has a disposition within the planning area, Vanderwell will notify them of our operations. If a tour operator or outfitter is known to Vanderwell as being active in a planned harvest area, Vanderwell will notify them of planned operations.

General Public

Vanderwell participates with the Slave Lake Forest Public Advisory Committee. At these meetings any member of the public can bring up and discuss issues. Participating companies (Tolko Industries Ltd., West Fraser Ltd., and Vanderwell) will schedule a meeting to present this year's GDPs.

In our Public Involvement Plan, Vanderwell has committed to placing a copy of the GDP in the public library in the Towns of Athabasca, Smith, Slave Lake, Wabasca and Swan Hills.

Conclusion

This Information Package for the 2020-2025 General Development Plan provides an overview of the direction Vanderwell will be following over the next five years. Factors may influence this plan, such as Mountain Pine Beetle, forest fires or economics that cannot be planned for that may require an amendment.

Appendix I

Vanderwell five year past and future volume summaries

Table 4: Fibre Production History by allocation

Conifer Allocation	Timber Year					Total Quadrant Volume
	2015/16	2016/17	2017/18	2018/19 ²	2019/20 ¹	
FMA 9700036	0	15,234	33,652	0	0	33,652
FMA 0600043-2	19,749	6,030	100,910	20,677	37,307	164,924
FMA 0600043-2 (TD)	4,999	9,586	1,431	0	0	11,017
FMA 0600043-4	427,779	36,618	93,957	301,673	5,269	437,517
FMA 0600043-6	50,210	68,682	84,272	70,741	0	223,695
FMA 0600043-6 (TD)	0	1,827	273	0	0	2,100
CTQ L020022	18,454	21,327	64,945	13,387	0	99,659
CTQ L020024	627	0	31,141	0	0	31,141
CTQ S180002	2,168	0	2,087	0	0	2,087
CTQ S200001	23,355	108,225	0	102,457	82,585	293,267
CTQ S220001	12,512	0	18,629	0	0	18,629
Deciduous Allocation						
FMA 9700036	0	24,527	18,196	0	0	18,196

1: This year's volumes are based on best currently available information. Final volumes will be available at the end of the timber year.

2: Timber Damage from the 2018-19 season hasn't yet been determined.

 Indicates current quadrant

Note: Based on best currently available information, 71,020 m³ of fire salvage was harvested in addition to the 37,307 m³ AAC chargeable volume shown in the table above for FMA0600043-2; and 127,020 m³ of fire salvage was harvested in addition to the 5,269 m³ AAC chargeable shown in the table above for FMA0600043-4.

Table 7: Schedule by license and year of the proposed five-year conifer supply strategy.

Allocation (Quota/FMA)	License	Harvest Year				
		2020/21	2021/22	2022/23	2023/24	2024/25
FMA 9700036	FMA	0	0	0	0	0
	Sub-Total	0	0	0	0	0
FMA 0600043-2	C15	15,000	0	0	0	0
	C23	27,000	0	0	0	0
	C27	0	32,500	32,500	32,500	32,500
	C34	37,000	40,000	15,000	0	0
	C39	15,000	75,000	85,000	50,000	50,000
	C41	4,000	20,000	10,000	5,000	0
	Sub-Total	98,000	167,500	142,500	87,500	82,500
FMA 0600043-4	C8	3,750	0	0	0	0
	C29	20,000	35,000	0	35,000	35,000
	C31	12,000	8,000	0	13,000	0
	C32	25,000	75,000	45,000	50,000	50,000
	C37	10,000	30,000	35,000	50,000	25,000
	C38	10,000	2,500	0	10,000	10,000
	C45	0	40,000	25,000	15,000	10,000
C47-P3	55,000	0	20,000	20,000	0	
	Sub-Total	135,750	190,500	125,000	193,000	130,000
FMA 0600043-6	Tolko Incidental	37,931	37,931	37,931	37,931	37,931
	Sub-Total	37,931	37,931	37,931	37,931	37,931
CTQ L020022	CTLL020083 (L2-L83)	60,000	10,000	50,000	50,000	75,000
	CTLL020083 (PU73234)	8,000	0	0	0	0
	CTLL020083 (PU74204)	45,000	0	0	0	0
	Sub-Total	113,000	10,000	50,000	50,000	75,000
CTQ L020024	CTLL020085	5,000	15,000	0	25,000	15,000
	Sub-Total	5,000	15,000	0	25,000	15,000
CTQ S180002	S18-LJ6	57,000	20,000	0	0	25,000
	PU80224	0	0	35,000	0	0
	PU80234	0	0	0	0	25,000
	Sub-Total	57,000	20,000	35,000	0	50,000
CTQ S200001	CTLS200008	100,000	80,000	125,000	75,000	75,000
	Sub-Total	100,000	80,000	125,000	75,000	75,000
CTQ S220001	CTLS22J001 (PU89254)	105,000	0	0	0	0
	CTLS22J001 (PU91234)	50,000	20,000	0	0	0
	CTLS22J001 (PU91244)	0	5,000	25,000	10,000	0
	CTLS22J001 (PU92234)	0	5,000	0	30,000	30,000
	CTLS22J001 (PU92244)	0	5,000	0	50,000	70,000
	Sub-Total	155,000	35,000	25,000	90,000	100,000
	Total	701,681	555,931	540,431	558,431	565,431

Indicates contingency areas; described as areas that are scheduled for harvest although not likely due to current mill production and current operational plans

NOTE: 2020/21 Total volume includes all contingency values and planned sales.

Appendix II

General Development Plan Maps