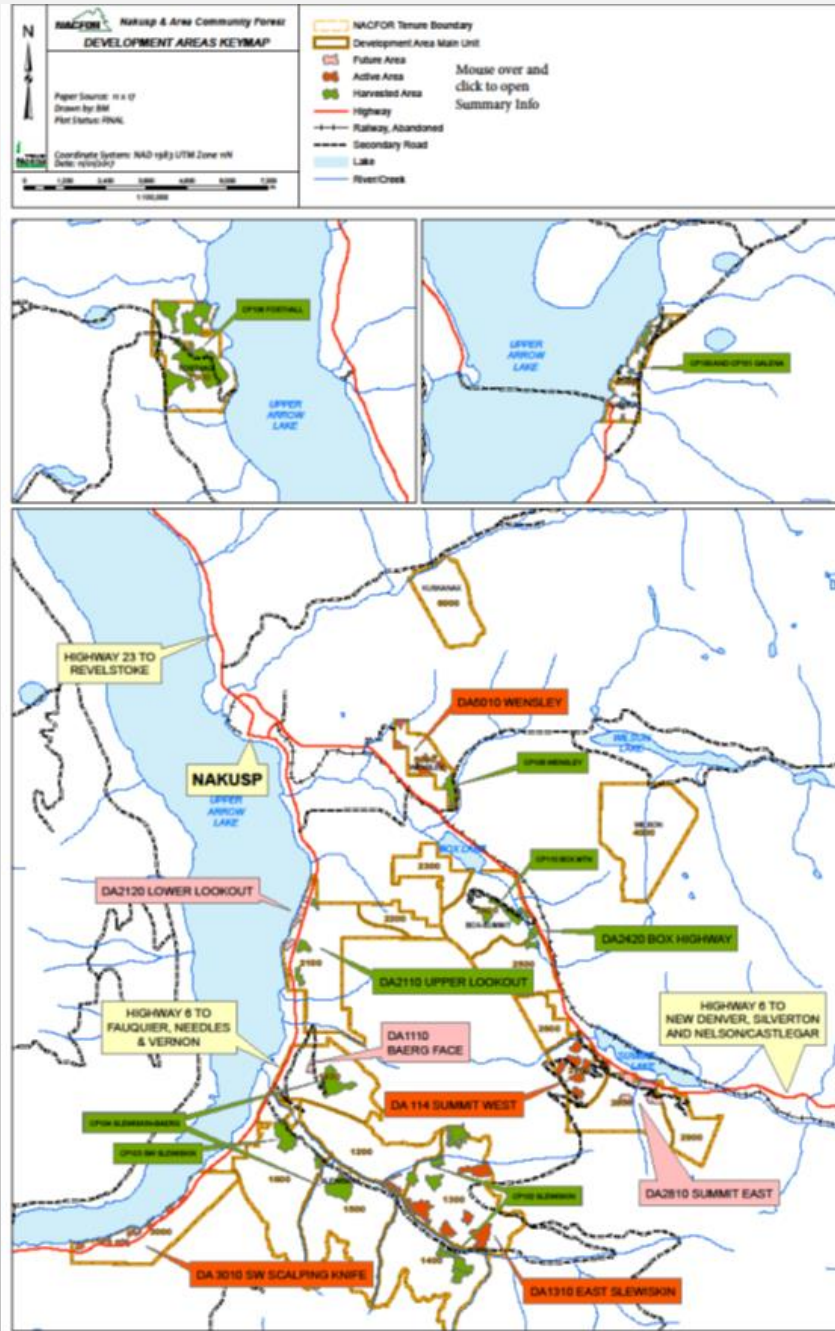


Nakusp & Area Community Forest (2013) Inc.

2017 Year In Review



NACFOR Community Forest Agreement Land Base



- Limited land base area
- Geographically separate chart areas
- Many constraints, including:
 - Terrain
 - Domestic & Community watersheds
 - Wildlife & Species at Risk
 - Wildfire Urban Interface areas
 - Visual Quality Objectives
 - Riparian areas
 - Soils and terrain stability
 - Stand and landscape level biodiversity
 - Old Growth Management Areas
 - Forest health
 - Archaeological & cultural heritage values
 - Fisheries
 - Recreation values and features

Among Others!

These constraints are all managed

2017 Highlights – Community Contributions

The Board of Directors adjudicates all donation applications that are received throughout the year. Following is a summary of the donations awarded.

NACFOR Donation Program

<i>Cash donations total:</i>	<i>\$40,300</i>
<i>In kind donations total:</i>	<i>\$ 7,000</i>
<i>(value of firewood donations)</i>	
<i>Administrative costs:</i>	<i>\$ 2,712</i>
<hr/>	
<i>Total Donation Program</i>	<i>\$50,012</i>

Type of Project	Cash Donation
Youth & Senior	\$9,730
Arts & Heritage	\$7,879
Recreation	\$9,200
Events	\$8,491
Social	\$5,000
TOTAL CASH DONATIONS	\$40,300

2017 Highlights – Community Contributions

Logging Truckloads of Firewood

Name of Organization	Type of Donation
Nakusp Mixed Slow Pitch Society	1 truckload of firewood
Burton Volunteer Fire Department	1 truckload of firewood
Arrow & Slocan Lakes Community Services	3 truckloads of firewood plus cash donation
NSS Grad 2018	1 truckload of firewood
NSS PAC	1 truckload of firewood
TOTAL COST TO NACFOR	\$7,000

Local organizations really value the logging truckloads of firewood that NACFOR is able to offer for donation.

Those locals who burn wood to heat their homes get pretty excited at the opportunity of winning all that firewood in a raffle or as winning bid in a silent auction!

2017 Highlights – Community Contributions

In 2017 NACFOR continued to work with and support Arrow and Slocan Lakes Community Services in their delivery of employment programming that supports ***ASLCS diversity clients*** –

- Donation of three loads of firewood
- Financial support
- Use of log storage yard
- Project coordination support



2017 Highlights – Community Engagement



NACFOR continued to provide communications to Council and the public through presentations and publications, advertising, website updates, Facebook posts and the annual open house

The **2018 calendar** was published to commemorate NACFOR's 10th Anniversary

"A Look Back At The Working Forest" was very well received by our industry partners and the community



NACFOR donated 50 calendars as a fundraiser for the Arrow Lakes Historical Society

2017 Highlights – Community Engagement

In the Fall of 2017 NACFOR collaborated with the Arrow Lakes Cross Country Ski Club to complete some ski trail maintenance as part of NACFOR's harvesting and road development in the Wensley Creek area



Snowshoeing past the new NACFOR cutblock on the Jackrabbit Interpretive Trail

Surfacing Hairpin Way ski trail



2017 Highlights – Governance & Business Activities

The Board of Directors met several important governance goals in 2017:

1. NACFOR Management Contract

- An independent consultant was hired to work with the Board to develop the *NACFOR management contract* tender package, evaluate the bids and award the management contract – the 2-year contract was awarded to True North Forestry Consulting Ltd. in December 2017

2. Two special meetings were held in 2017 to follow up on 2016 initiatives

- A facilitator was hired to provide guidance on developing goals and objectives and lead the discussion on policy development

3. Following the facilitated session, the Board undertook to update / revise NACFOR policies in 2017

2017 Highlights – Governance & Business Activities

Board members got out of the boardroom and participated in several field trips to view harvesting, recreation trail development and help out with educational activities!



2017 Highlights – Educational Partnerships

NACFOR coordinated several field trips with School District 10 classes in 2017

Check out the [Educational Connections](#) page on the NACFOR website

Nakusp Elementary School tree planting and invasive plant education in May – in partnership with the Central Kootenay Invasive Species Society - 100 students planted trees, learned about invasive species and explored the NACFOR hiking trail and beach at Galena Bay



Planting was followed by a big picnic at the Galena Bay trailhead!

2017 Highlights – Educational Partnerships



Nakusp Elementary School National Forest Week hike

during National Forest Week in September NACFOR hosted a hike on the new Arrow Park trail for 30 students from NES

The students spent the day learning about forests, the natural environment, water resources and early settlers in the Arrow Lakes valley – followed by a picnic on the beach.....



The **NSS Environmental Studies** class spent a few days building sections of the Arrow Park trail



UBC Masters of Sustainable Forest Management

Students completed a project to develop a Wildland Urban Interface plan that assessed the flow of timber values over the long term

Students visited the community forest in February – for many it was their first visit to a forestry operation in BC

2017 Highlights – Strategic Wildfire Protection Initiatives

NACFOR initiated two SWPI projects in 2017:

- **Community Wildfire Protection Plan** - The CWPP will assess, prioritize, and provide recommended actions to mitigate wildfire threat in Nakusp and RDCK Area K communities
 - NACFOR was contracted by the RDCK to complete the plan by July 2018
- **FireSmart program** for Nakusp
 - FireSmart is a community led program intended to educate, promote, and implement wildfire mitigation efforts on private lands
 - A FireSmart committee, led by NACFOR, was formed to implement the FireSmart program in Nakusp
 - A coordinator was hired to carry out education and outreach activities including:
 - ✓ Present information sessions, info booth at the Farmer's market and community events
 - ✓ Complete a FireSmart Community Plan and Communications Strategy
 - ✓ The coordinator also completed 17 home assessments in the Nakusp area

2017 Highlights – ESMS

Environmental and Safety Management System (ESMS)

NACFOR's Environmental and Safety Management System (ESMS) provides a framework for environmental and safety procedures for NACFOR forestry operations

Objectives of the ESMS are:

- to develop a comprehensive, systematic and documented approach to managing NACFOR operations in compliance with legislation and acceptable environmental standards
- to provide the NACFOR Board of Directors, shareholder and public with the assurance that the CFA land base is being well managed with established policies and processes.

2017 Highlights – ESMS

As a requirement of the ESMS, management reports to the NACFOR Board annually on environmental and safety performance and compliance with legislative obligations.

This information allows NACFOR to assess the effectiveness of the ESMS and provide direction for continual improvement in forest management.

NACFOR held a ***contractor training day*** in May 2017 to review ESMS requirements and carry out a spill drill in the field

ESMS 2017 Annual Summary

Summary	Total
Inspections Completed	128
Environmental Incidents	1
Safety Incidents	3
Near Misses	1
Accidents	1
Non Conformance (Minor)	25
Non Conformance (Major)	0
Non Compliance	0
Record of Discussion	0



2017 Highlights – Timber Supply Review

NACFOR completed a *timber supply analysis* in 2017 to confirm timber harvest flow for the community forest land base

- the analysis was completed using the most up-to-date GIS and forest inventory data
- the timber harvest landbase was determined using the most recent timber supply assumptions (2016) and Approved UWR Orders – which were not part of the analysis completed in 2007 when the CFA was awarded
- considers an operational level plan for the CFA landbase based on a 20-year block and road plan

The results of the timber supply review indicate that the current CFA landbase, given assumed non-timber resource objectives (i.e. visual quality objectives, ungulate winter range, ect.) is too small to support the current AAC

The timber supply analysis will be a powerful tool for establishing a sustainable allowable annual cut for the community forest as well as many other forest management considerations

2017 Highlights – Harvesting Projects

Despite challenges with contractor scheduling, resource conflicts, recreation areas and a fire season curtailment, NACFOR harvested four development areas in 2017.

Development Area	Location	Volume (m3)	Total Area (ha)
114	Summit Lake	13,345	32.9
1310	Baerg/Slewiskin	11,790	24.5
3010	Scalping Knife	10,076	24.1
5010	Wensley	2,519	7.2
Total		37,730	88.7



2017 Log Sales Statistics

NACFOR supplied wood to eight local and regional manufacturers in 2017, including small and medium sized mills as well as Interfor sawmill and Zelstoff pulp mill in Castlegar.

Approximately 2,855m³ or 74 logging truck loads were manufactured locally in Nakusp. The table shows a summary of log sales and products in 2017.

Total Truck Loads	% of Total Loads		Total m3	% of Total Volume
26	2.9%	CEDAR SHAKE/RAIL TO BOX LAKE LUMBER	819.0	2.2%
19	2.1%	CEDAR POLES TO BRISCO	906.4	2.4%
8	0.9%	CEDAR POLES TO STELLA-JONES	368.5	1.0%
6	0.7%	FIR BUILDING LOGS TO MADDEN	200.6	0.5%
5	0.6%	CEDAR SAWLOGS TO HERRIDGE	135.6	0.4%
29	3.3%	CEDAR SAWLOGS TO PORCUPINE	1652.6	4.4%
174	19.6%	SAWLOGS TO DOWNIE	8,270.5	21.9%
271	30.5%	SAWLOGS TO INTERFOR	10,370.2	27.5%
304	34.2%	SAWLOGS TO KALESNIKOFF	13,072.9	34.6%
3	0.3%	MIXED SAWLOGS TO STORAGE YARD	132.4	0.4%
37	4.2%	PULP TO ZELLSTOFF	1,508.3	4.0%
7	0.8%	FIREWOOD DONATIONS & SALES	293.0	0.8%
889	100%		37,730	100%

2017 Highlights – Roads

2017 was an active year for road construction, reconstruction, deactivation and maintenance

Table 8 – Roads activities

	Construction	Reconstruction	Deactivation
DA 114 – Summit	0.7 km		1.1 km
DA 1310 – East Slewiskin	4.8 km	0.5 km	
DA 1310 – Scalping Knife			1.2 km
DA 5010 - Wensley		1.2 km	



Slewiskin Forest Service Road washout – May 2017



Slewiskin FSR repairs following washout

2017 Highlights – Development & Silviculture

Development

- Major wind storm events in 2017 were a focus for NACFOR's development activities in order to salvage blowdown timber in Galena Bay and Arrow Park
- Further development was carried out in the McDonald Creek drainage
- Approximately 68,000 m³ is now under development for future harvest



Seedlings growing in the Skimikin nursery, Tappen, BC

Silviculture

- 49.1 hectares (74,000 trees) were planted by a local tree planting contractor at Galena Bay and Box Mountain areas
- 14 hectares of herbaceous brushing was carried out to control non-crop vegetation, improve the survival and growth of tree seedlings and to accelerate or ensure development of a free-growing plantation.
- Other silviculture activities include sowing seedlings for 2018 planting and surveys to monitor planted blocks

Looking Forward - Key Directions & Initiatives for 2018

Harvest and Roads Activities

Projected harvest of **20,000 m³**

- Complete Wensley blocks
- Blowdown salvage at Galena Bay
- Complete DA 1310 – Slewiskin
- Start harvesting in DA 1220 (Slewiskin)
- Complete harvesting DA 2120 (Lower Lookout)

Development

Develop approximately 10,000m³ in West Box Mountain and Upper Scalping Knife areas

- Short and mid-term planning initiatives include archaeological, terrain stability and visual assessments for new development

In 2017 NACFOR continued to support the Fish & Wildlife Compensation Program *Summit Lake Western Toad Project* through funding contribution and in-kind work.

Daytime surveys of toad presence were carried out by NACFOR in 2017 with the data provided to the FWCP project.

The future of this program is under review as there may be other priorities (bark beetle, wildfire interface projects) which will warrant investment of research dollars

Looking Forward - Key Directions & Initiatives for 2018

Silviculture

- Plant approximately 75,000 trees
- Brushing for conifer release
- Sow seedlings for 2019 planting

Management activities, strategic and business planning initiatives will be on-going in 2018 in order to meet forest management objectives, CFA obligations, and economic targets

Storage Yard Shelter Project

NACFOR is proposing to build a multi-purpose structure with a covered work area and secure storage at the NACFOR yard

Benefits:

- ❖ Provide space for community projects such as the Community Works Firewood program
- ❖ showcase for local value added wood manufacturing by using local materials including logs from the community forest
- ❖ excellent training opportunity – partnerships with NSS and Selkirk College

Looking Forward - Key Directions & Initiatives for 2018

Applied Research

Strategic Initiatives

New strategic forestry initiatives on the radar for 2018:

- developing **migratory bird** management practices for NACFOR's operating area
- detailed **hydrological modeling** of the McDonald Creek drainage – in partnership with Interfor
- management of **Wildlife Habitat Features**
- researching the use of **drones** for conducting different resource analysis – in partnership with the Selkirk College NSERC grant project
- supporting a new research project “**Enhancing and quantifying pest services provided by bats to the BC timber industry**”

Looking Forward - Key Directions & Initiatives for 2018

Land Base Initiative - an on-going initiative to expand the NACFOR land base and bolster the allowable annual cut (AAC) – project components include:

- 1) **NACFOR Land Base Stabilization project** – Identify land parcels – currently unallocated to forest licences – that that could potentially be managed under the Community Forest Agreement
 - Field work completed and data compiled in 2017
 - **NACFOR Timber Supply Review** – timber supply analysis to confirm timber harvest flow for the community forest land base
 - completed February 2018

Next steps:

- present the proposal to government for approval
- Work with government to fine-tune the land parcels and determine a process to move forward with CFA expansion

Looking Forward - Key Directions & Initiatives for 2018

Utilization Project - NACFOR is working towards increasing the utilization of trees that are harvested



NACFOR continues to reduce logging waste by utilizing cedar butt pieces for Box Lake Lumber and ship tops to the pulp mill

- In the past few years since 2008, sawmills demanded top sizes be cut larger than utilization standards in order to produce more valuable end products and remain competitive.
- With increased demand for logs across all species and grades it is possible to reverse this trend, **reducing some of the waste**, and **gaining more revenue** from logs.
- Towards the end of 2017 it became economically viable to ship lower grade fibre to the regional pulp mill – material that would have been traditionally discarded.

Challenges for 2018

Land Base

- Maintaining sufficient productive and available land base to yield our CFA license harvest level over time is a looming challenge.

Contractor Base

- The limited contractor base in the Nakusp area can limit operational flexibility. Local contractors are generally busy due to an upswing in the forest industry. Planning operations far in advance is therefore necessary to secure contractors.

Conflicting Values

- Ongoing challenges to balance social, environmental and economic values in the interface areas of the community forest
- The ability to yield the allowable annual cut (AAC) from the NACFOR land base is limited by statutory and conflicting resource value constraints

Forest Management

- Managing the impacts of large weather and forests health events on the community forest land base



***NAKUSP AND AREA
COMMUNITY FOREST***

MISSION STATEMENT

Nakusp and Area Community Forest Inc. (NACFOR) strives to balance economic, ecological and social concerns in a manner that optimizes benefits for both the local and global community