

# SFI 2023 Annual Report Survey

**Company:**Canadian Forest Products Ltd. (CANFOR)

**Survey Submitted By:**Kerri Simmons

**Date Submitted:**18 July 2023

## 1. MY ORGANIZATION'S PROFILE

**The area reported in this survey is in:**

Hectares

**All reported dollar amounts are in (select currency)**

US Dollars (USD)

Certificate Type	Country	Other Operations
<input checked="" type="checkbox"/> SFI Forest Management	<input checked="" type="checkbox"/> Canada	
<input checked="" type="checkbox"/> SFI Fiber Sourcing	<input checked="" type="checkbox"/> Canada	

## 2. FORESTRY RESEARCH, SCIENCE & TECHNOLOGY

**2.2 Did your organization meet the SFI research objective in 2022 at least in part through direct research funding?**

YES, WE MET THE SFI RESEARCH OBJECTIVE IN 2022 AT LEAST IN PART THROUGH DIRECT RESEARCH FUNDING

**Climate change adaptation and mitigation**

**Internal \$:** 55621

**Organizations worked with in 2021:**

Research Organizations

Other Organizations

**Research Organizations:** Forest Resource Improvement Association of Alberta

**Other Organizations:** Alberta Forest Products Companies

**Water quality and quantity**

**Internal \$:** 50,000

**Organizations worked with in 2021:**

Research Organizations

**Research Organizations:** Forest Resource Improvement Association of Alberta

**Biodiversity, Forests with Exceptional Conservation Value, and species maintenance and recovery**

**Internal \$:** 424,441

**Organizations worked with in 2021:**

- Academic Organizations
- Research Organizations
- Conservation Organizations
- Government Organizations

**Academic Organizations:** Canadian Universities

**Research Organizations:** Forest Resource Improvement Association of Alberta

### **Landscape ecology**

**Internal \$:** 196,500

**Organizations worked with in 2021:**

- Research Organizations
- Other Organizations

**Research Organizations:** Forest Resource Improvement Association of Alberta

### **Indigenous traditional forest-related knowledge**

**Internal \$:** 0

### **Ecosystem services or non-timber forest products**

**Internal \$:** 175,848

**Organizations worked with in 2021:**

- Research Organizations

**Research Organizations:** Forest Resource Improvement Association of Alberta

### **Community engagement**

**Internal \$:** 5870

**Organizations worked with in 2021:**

- Research Organizations

**Research Organizations:** Forest Resource Improvement Association of Alberta

### **Forest health and productivity**

**Internal \$:** 11674

**Organizations worked with in 2021:**

- Research Organizations

**Research Organizations:** Forest Resource Improvement Association of Alberta

### **Support for Forest Inventory Analysis (FIA)**

**Internal \$:** 132,145

**Organizations worked with in 2021:**

- Research Organizations

**Research Organizations:** Forest Resource Improvement Association of Alberta

### **SFI sponsored conservation research**

**Internal \$:** 0

### **The role of forests in the bioeconomy**

**Internal \$:** 0

**Similar themes which build broader understanding of the benefits and effects of sustainable forest management or sustainable supply chains.**

Internal \$: 0

**2.3 Did your organization meet the SFI research objective in 2022 through one or more projects or collaborations?**

**INSTRUCTIONS: Report your organization's projects and/or collaborations using the online form or by uploading new and/or revised projects and/or collaborations in the excel file provided below.**

YES, WE MET THE SFI RESEARCH OBJECTIVE LAST YEAR THROUGH ONE OR MORE PROJECTS OR COLLABORATIONS

### **Projects Upload**

projects\_download\_7176\_edited.xlsx (22.65 kB)

projects\_download\_7176\_edited.xlsx (22.69 kB)

**2.4 Does your organization have any peer-reviewed or gray literature research papers on topics related to key sustainability issues published now or in the last 10 years? (OPTIONAL)**

**SFI is collecting peer reviewed and gray literature from SFI-certified organizations related to key sustainability issues.**

No, we don't have any research papers to share

## **3. LEGAL AND REGULATORY COMPLIANCE**

**3.1 Which social laws are explicitly included in your written policy as per performance measure 11.2 (Forest Management) and 4.2 (Fiber Sourcing)?**

Prior to the implementation of the SFI 2022 Standards, our organization explicitly includes the following social laws in our written policy

- Equal employment opportunities
- Gender equality
- Diversity inclusion
- Anti-discrimination and anti-harassment measures
- Workers' compensation
- Indigenous Peoples' rights
- Workers' and communities' right to know
- Workers' right to organize
- Occupational health and safety

After the implementation of the SFI 2022 Standards, our organization explicitly includes the following social laws in our written policy

- Equal employment opportunities
- Gender equality
- Diversity inclusion
- Anti-discrimination and anti-harassment measures
- Workers' compensation
- Indigenous Peoples' rights
- Workers' and communities' right to know
- Workers' right to organize
- Occupational health and safety

## 4. FOREST MANAGEMENT PLANNING

### REPORTING HARVEST IN CANADA

**4.4 Final harvest area: What is the total area of harvest units completed last year that would qualify as final harvest in Canada (the removal of the remaining trees in a stand. It is anticipated that the time between final harvests on a given unit would typically correspond to the economic rotation age of the species).**

270,151

### Intermediary harvest - Canada

**4.5 Intermediate harvest: What is the total area of harvest units completed last year in Canada that would qualify as intermediate harvest (selection methods, thinning or sanitation salvage, and other harvest units not classified as final harvest)?**

10,345

**4.6 Average Clearcut Area: What was the average area (hectares) of final harvest that were clear-cut in Canada (even-aged silviculture system)?**

34.3

### ANNUAL SURVEY QUESTION ON CONVERSION

**4.7 Did your organization convert one forest cover type to another forest cover type as defined by Indicator 1.2.1?**

No

## 5. FOREST HEALTH AND PRODUCTIVITY

### REPORTING REFORESTATION in CANADA

**5.5 What PERCENTAGE of area (acres or hectares) reported as final harvest experience adequate regeneration (natural, planted and direct seeding) within the five year window? Enter total percentage regenerated in Canada.**

94.9

**5.7 Total area regenerated - Canada**

37953.8

**5.8 Canada Total Planting**

11,058

**5.9 Canada Total Direct Seeding**

17.1

**5.8 Canada Natural Regeneration**

874.2

**5.11 Do you use a WHO 1A or 1B pesticide in your operations?**

No

**5.10 Do you use chemicals to achieve forest management objectives**

Yes

Suppression of competing herbaceous species at time of reforestation

Release of the target species to assist meeting "free to grow" targets

**5.12 Does your organization collect data on soil health and/or productivity?**

Yes

**Soil Health - Please Explain**

We collect data regarding soil disturbance. We also analyze soil texture to determine trafficability.

**5.12 Has your organization implemented practices that protect and maintain soil health as per PM 2.3?**

Prior to the implementation of the SFI 2022 FM Standard

YES, our organization has implemented practices that protect and maintain soil health.

Use of low pressure equipment on sensitive soil sites

Seasonal harvesting on sensitive soil sites

Designated equipment trails to reduce soil compaction

Use of logging slash on equipment trails

Use of erosion control techniques for harvest units on steeper slopes (e.g. water bars on equipment trails; skidding parallel to contours)

After the implementation of the SFI 2022 FM Standard our organization implemented practices that protect and maintain soil health.

Use of low pressure equipment on sensitive soil sites

Seasonal harvesting on sensitive soil sites

Designated equipment trails to reduce soil compaction

Use of logging slash on equipment trails

Use of erosion control techniques for harvest units on steeper slopes (e.g. water bars on equipment trails; skidding parallel to contours)

## 6. Protection and maintenance of water resources

### 6.1 Does your organization have a program to implement federal, state, or provincial water quality best management practices during all phases of management activities as per PM 3.1?

Prior to the implementation of the SFI 2022 FM Standard

YES, our organization has a program to implement federal, state, or provincial water quality best management practices during all phases of management activities.

Planned temporary shut-downs

Avoiding soil disturbance (compaction, erosion) when soils are water logged. Harvest when ground is frozen.

Alternative harvesting plans and sites

Moving harvest to sites with coarser soils, dryer soils.

After the implementation of the SFI 2022 FM Standard our organization has a program to implement federal, state, or provincial water quality best management practices during all phases of management.

Planned temporary shut-downs

Avoiding soil disturbance (compaction, erosion) when soils are water logged. Harvest when ground is frozen.

Alternative harvesting plans and sites

Moving harvest to sites with coarser soils, dryer soils.

### 6.2 Does your organization collect data on water quality (e.g. temperature, dissolved oxygen, pH, turbidity, nutrients)? (OPTIONAL)

No

### 6.3 Has your organization implemented water, wetland, and riparian protection programs based on climate, soil type, terrain, vegetation, ecological function, harvesting systems, state best management practices (BMPs), provincial guidelines and other applicable factors to protect water quantity within the area of your SFI certificate as per PM 3.2?

Prior to the implementation of the SFI 2022 FM Standard

YES, our organization has implemented water, wetland, and riparian protection programs based on applicable factors to protect water quantity within the area of our SFI certificate.

Within watersheds monitoring clear-cut area as a percentage of the total area

Peak flow threshold monitoring is completed to avoid over harvest in sensitive watersheds.

Increased riparian management areas near hydrologically active (or sensitive) areas

Riparian reserve zone and riparian management area size is adjusted based on size of stream, fish presence, water intakes.

Establishment of machine-free zones

Machine free zones are established along streams that do not have a riparian reserve zone. the MFZ protects riparian vegetation and streambank integrity.

After the implementation of the SFI 2022 FM Standard our organization has a program to implement federal, state, or provincial water quality best management practices during all phases of management.

Within watersheds monitoring clear-cut area as a percentage of the total area

Peak flow threshold monitoring is completed to avoid over harvest in sensitive watersheds.

Establishment of machine-free zones

Machine free zones are established along streams that do not have a riparian reserve zone. the MFZ protects riparian vegetation and streambank integrity.

Others

Partial cutting is completed where necessary to delay snowpack melting and runoff in spring. this also intercepts rainfall reducing overland runoff into streams.

**6.4 Does your organization collect data on water quantity within your managed forests (e.g., data from gauging stations such as water flow rates, depth, and seasonal high and low flows)? (OPTIONAL)**

No

## 7. CONSERVATION of Biological Diversity

## 8. MANAGEMENT OF VISUAL QUALITY AND RECREATIONAL BENEFITS

1

**Country:** Canada

**State/Prov:** Alberta

**Certified Area (Acres):** 2,709,130

**Certified Area (HA):** 1,096,346

**Public/Private:** Public

**Forest Ownership Type:** Provincial

**% open to the public for recreation:** 100

**Areas open to recreation on your lands:**

No Fee

2

**Country:** Canada

**State/Prov:** British Columbia

**Certified Area (Acres):** 21,850,587

**Certified Area (HA):** 8,842,618

**Public/Private:** Public

**Forest Ownership Type:** Provincial

**% open to the public for recreation:** 100

**Areas open to recreation on your lands:**

No Fee

## 9. RECOGNIZE AND RESPECT INDIGENOUS PEOPLES' RIGHTS

**9.1 Has your organization implemented a program with appropriate training of personnel and contractors so that your organization is competent to fulfill responsibilities under Objective 8 of the Forest Management Standard (PM 8.1, Indicator 1.c)?**

Prior to the implementation of the SFI 2022 FM Standard

YES, our organization provides training to personnel and contractors

Training is integrated into personnel and contractors onboarding

estimate 206

once only

Training is tailored to different roles within our organization (e.g., Human Resources; Board Members; Foresters; Field Staff)?

Indigenous rights-holders are involved in the development and/or delivery of training

The same training is provided across our organization, regardless of geographic location

After the implementation of the SFI 2022 FM Standard our organization provides training to personnel and contractors

Training is integrated into personnel and contractors onboarding

206

once only

Training is tailored to different roles within our organization (e.g., Human Resources; Board Members; Foresters; Field Staff)?

Indigenous rights-holders are involved in the development and/or delivery of training

The same training is provided across our organization, regardless of geographic location

**9.2 Would you be interested in collaborating with SFI to develop case studies**

Yes

**If yes, who would be the most appropriate point of contact within your organization?**

Kerri Simmons, kerri.simmons@canfor.com Ian Johnson, ian.johnson@canfor.com

## 10. CLIMATE SMART FORESTRY



**10.1 Has your organization identified climate change risks to your forests and forest operations as per SFI 2022 Forest Management Standard Performance Measure 9.1?**

- Prior to the implementation of the SFI 2022 FM Standard
  - PARTIALLY, our organization had identified risks on some of our forest area
- After the implementation of the SFI 2022 FM Standard our organization has identified the following risks
  - Risks to forest health, such as
    - Changes to precipitation regimes (e.g., dryer or wetter growing conditions)
    - Range shifts in pest species or invasive species that pose a threat to forests
  - Risk of shortened harvest season(s) and impacts to silviculture operations other risks
  - Impacts from fire, insects, invasive plants, extreme weather events such as floods.

**10.2 Has your organization developed appropriate adaptation objectives and strategies to address climate change risks to forests and forest operations per SFI 2022 Forest Management Standard Performance Measure 9.1?**

- Prior to the implementation of the SFI 2022 FM Standard
  - PARTIALLY, our organization had developed an adaptation plan to address priority climate change risks on some of our forest area.
- After the implementation of the SFI 2022 FM Standard our organization has developed the following plans to address priority climate change risks
  - Adjustments to shorter harvest seasons due to spring thaw and shorter winters
  - Adjustments to scheduling of operations such as access trail/road construction, site preparation due to increased peak flow, extended wet seasons or flood conditions
  - Assisted tree migration through selective planting
  - Changes to larger culverts or bridge structures to accommodate higher peak flows and flood conditions
  - Changes to road layout and design to resist washouts from floods, or to create systemic fire breaks
  - Development of new silvicultural techniques to accommodate altered growing conditions

**10.3 Has your organization identified opportunities to adopt your forest operations to climate change as per SFI 2022 Forest Management Standard Performance Measure 9.2?**

- Prior to the implementation of the SFI 2022 FM Standard
  - PARTIALLY, our organization had identified opportunities to adopt our forest management operations to climate-related effects associated with our forest operations for some of our forest area.
- After the implementation of the SFI 2022 FM Standard our organization has developed the following plans to address priority climate change risks

- Planting of more drought tolerant species
- Assisted migration of tree species
- Fuel load reduction in managed forests
- Increases in culvert sizes
- Changes in annual harvesting schedules
- Changes in seed sources
- Changes in silvicultural practices
- Age of equipment
- Configuration of equipment (size and type)

**10.4 Has your organization addressed opportunities to mitigate the effects associated with your forest operations on climate change as per SFI 2022 Forest Management Standard Performance Measure 9.2?**

After the implementation of the SFI 2022 FM Standard our organization has developed the following plans to address priority climate change risks

- Prompt reforestation or planned natural reforestation as per Indicator 2.2.1;
- Adequate regeneration and appropriate actions to correct understocked areas
- Protection of desirable or planned advanced regeneration during harvest and the retention of vigorous trees during partial harvest
- Planned thinning or other silvicultural practices to enhance forest growth
- Species selection to enhance forest resilience
- Increased monitoring of factors affecting forest health
- Modifications to site preparation techniques to reduce soil disturbance, compaction, tillage, and equipment use to reduce soil carbon losses
- Identify alternative uses for logging waste to manage for fuel abatement and minimizing open burning
- Utilize correct equipment size/type

**Other references or websites**

Pacific Climate Impacts Consortium

**10.6 Impact of carbon sequestration**

Yes

**Is landbase included in carbon accounting?**

Currently only a portion of the landbase - Prince George Timber Supply Area.

**11. FIRE RESILIENCE AND AWARENESS**

**11.1 Has your organization developed a fire risk analysis to date?**

Yes

## **If yes, during the course of your fire risk analysis, what risks has your organization identified?**

Damage to infrastructure, loss of mature timber and young stands and regenerated stands, loss of timber in forest sort yards. Negative pressure on allowable cut, increased carbon emissions all from wildfire.

### **11.2 On forests your organization owns or manages, does your organization limit susceptibility to undesirable impacts of wildfire as per PM 10.1?**

Prior to the implementation of the SFI 2022 FM Standard

YES, our organization limits susceptibility to undesirable impacts of wildfire using the following management techniques on forests our organization owns or manages

Road network design to create systemic fire breaks

Stand thinning

Other treatments to reduce levels of hazardous fuels, such as brushing and dead wood removals

Implementation of a fire prevention and suppression program

After the implementation of the SFI 2022 FM Standard our organization has developed the following plans to address priority climate change risks

Road network design to create systemic fire breaks

Selection of fire-resistant tree species, as appropriate for the landscape

Stand thinning

Other treatments to reduce levels of hazardous fuels, such as brushing and dead wood removals

Implementation of a fire prevention and suppression program

### **11.3 On forests your organization owns or manages, does your organization promote healthy and resilient forest conditions through management techniques, actions and/or policies, and support restoration of forests following wildfire damage as per PM 10.1?**

Prior to the implementation of the SFI 2022 FM Standard

YES, our organizations promotes healthy and resilient forest conditions through management techniques, actions and/or policies, and supports restoration of forests following wildfire damage on forests our organization owns or manages (check all that apply):

After the implementation of the SFI 2022 FM Standard our organization has developed the following plans to address priority climate change risks

Salvage logging

Installation of water or erosion control devices

Planting or seeding for erosion control or slope stability

Installation of appropriate-sized drainage features on roads or trails

Protection or restoration of significant ecological areas, or FECV

Monitoring for detection and rapid response to minimize the spread of invasive species

Prompt reforestation of burned areas

Fire danger weather monitoring, alteration of work schedules

**11.4 Does your organization engage in efforts to raise awareness of and take action towards benefits of fire management and minimization of undesirable impacts of wildfire as per PM 10.2?**

Prior to the implementation of the SFI 2022 FM Standard

YES, our organization engages in efforts to raise awareness of and take action towards benefits of fire management and minimization of the undesirable impacts of wildfire

Included in our organization’s training programs, please explain and provide example(s)  
Staff are trained re: fire impacts, prevention and suppression techniques and safety.

Involved in community fire prevention programs, please explain and provide example(s)  
Harvesting / thinning near forest communities to reduce fire risk

Participate in existing programs promoting fire management benefits, please explain  
Support of fire smart programs, presentations to public groups.

After the implementation of the SFI 2022 FM Standard our organization engages in efforts to raise awareness of and take action towards benefits of fire management and minimization of the undesirable impacts of wildfire

Included in our organization’s training programs, please explain and provide example(s)  
Staff are trained re: fire impacts, prevention and suppression techniques and safety.

Involved in community fire prevention programs, please explain and provide example(s)  
Harvesting / thinning near forest communities to reduce fire risk.

Participate in existing programs promoting fire management benefits, please explain  
Support of fire smart programs, presentations to public groups. Support of Provincial Wildfire Management Agencies in BC and AB.

**12. Forest tree biotechnology and FORESTS OUTSIDE US/CANADA**

**12.1 We currently invest in research with Genetically Engineered trees via forest tree biotechnology**

No

1

**Country:** Sweden

**Is this area certified under a certification standard?:** Yes

**cert standard dropdown:** FSC Standard

**QUESTIONS FOR SFI FIBER SOURCING CERTIFIED ORGANIZATIONS**

**13. BIODIVERSITY IN FIBER SOURCING**

## Annual Survey Question on Biodiversity in Fiber Sourcing

### 13.1 Have you conducted an assessment of Forests with Exceptional Conservation Value within your wood and fiber supply area as per Objective 1?

Prior to the implementation of the SFI 2022 FS Standard

YES, our organization has conducted an assessment of Forests with Exceptional Conservation Value within our wood and fiber supply area. Our organization is utilizing and/or sharing our assessment of FECVs in our wood and fiber supply area as follows

use of qualified logging professionals, certified logging companies (where available), and qualified resource professionals; or

training program for qualified logging professionals on how to recognize and protect Forests with Exceptional Conservation Value; or

forest landowner outreach; or

After the implementation of the SFI 2022 FS Standard our organization has conducted an assessment of Forests with Exceptional Conservation Value within our wood and fiber supply area. Our organization is utilizing and/or sharing our assessment of FECVs in our wood and fiber supply area as follows: (check all that apply):

use of qualified logging professionals, certified logging companies (where available), and qualified resource professionals; or

training program for qualified logging professionals on how to recognize and protect Forests with Exceptional Conservation Value; or

forest landowner outreach; or

SFI Implementation Committee involvement in the assessment of Forests with Exceptional Conservation Value, and development of recommendations for conservation.

## 14. USE OF QUALIFIED RESOURCE PROFESSIONALS, QUALIFIED LOGGING PROFESSIONALS

### Raw material from privately owned lands

**Units:** Cubic Meters

**Volume:** 224,400

**% Delivered by Qualified Logging Professionals:** 41.1

**% from SFI only certified forests:** 19.7

**% from ATFS only certified forests:** 0

**% from CSA only certified forests:** 0

### Raw material from publicly owned lands

**Units:** Cubic Meters

**Volume:** 1,862,647

**% Delivered by Qualified Logging Professionals:** 49.9

**% from SFI only certified forests:** 47.6

**% from ATFS only certified forests:** 0

**% from CSA only certified forests:** 0

## 15. COMMUNITY INVOLVEMENT AND LANDOWNER OUTREACH

### 15.1 Landowner Outreach

Handed out Wood Producer Information Package document, which describes the benefits of sustainable forest management

## 16. AVOID CONTROVERSIAL SOURCES

**1**

**Units:** Cubic Meters

**Volume:** 0

**% PEFC certified forest content:** 0

**% FSC certified forest content:** 0

**% Dual PEFC/FSC forest content:** 0

**% SFI Fiber Sourcing:** 0

**Optional Comment:** We did not procure any raw fibre from outside of Canada for use in our SFI/PEFC certified operations.

### Sign-off and submit

I acknowledge and certify that all of the information submitted is true and accurate for all our manufacturing facilities or lands under our ownership or management across the U.S. and Canada