

Annual Work Schedule

for the

Nipissing Forest

2022-2023



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1 List of Tables

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Item		Digital File Name
AWS-1	Annual Schedule of Water Crossings To Be Replaced, Constructed/Reviewed	MU754_2022_AWS_TBL_Tables.PDF
AWS-2	Annual Schedule of Water Crossings to be Decommissioned	MU754_2022_AWS_TBL_Tables.PDF

3

4 List of Attachments

5

Attachment		Digital File Name
Attachment 1	A) 2022-2023 AWS Harvest Operations OBM maps, at a scale of 1:15,840 B) 2022-2023 AWS Harvest Summary Map at a scale of 1: 500,000 C) 2022-2023 Annual Work Schedule Index Map – Harvest – 1:150,000	MU754_2022_AWS_MAP_OpsOBM##_00.PDF MU754_2022_AWS_MAP_Sum_01.PDF MU754_2022_AWS_MAP_Index_01.PDF
Attachment 2	A) 2022-2023 AWS Silviculture Operations OBM maps, at a scale of 1:50,000 B) 2022-2023 AWS Silviculture Summary Map at a scale of 1: 500,000 C) 2022-2023 Annual Work Schedule Index Map – Silviculture – 1:150,000	MU754_2022_AWS_MAP_Silv##_00.PDF MU754_2022_AWS_MAP_Sum_02.PDF MU754_2022_AWS_MAP_Index_02.PDF
Attachment 3	Fire Prevention and Preparedness Plan	MU754_2022_AWS_TXT_Text.PDF
Attachment 4	Aerial Chemical Tending Plan - submitted later and prior to Public Notification	MU754_2022_AWSHP_---.ZIP
Attachment 5	Compliance Plan for the Nipissing Forest	MU754_2022_AWS_TXT_Text.PDF
Attachment 6	Prescribed Burn Plan - submitted later and prior to Public Notification	MU754_2022_AWSPB_---.ZIP

6

7 Note: Attachments 1 and 2 are separate digital files included with the Natural Resources Information
8 Portal (NRIP) submission. Attachment 4 and 6 are submitted separately.

9

1 Title and Certification Page

2 **ANNUAL WORK SCHEDULE**
3 **for the**
4 **NIPISSING FOREST**

5
6 North Bay District, Northeast Region
7 Nipissing Forest Resource Management Inc.
8 for the one-year period from April 1, 2022 to March 31, 2023

9 We hereby confirm that this annual work schedule has been prepared, in accordance with the
10 requirements of the Forest Management Planning Manual and the Forest Information Manual, and is
11 consistent with the approved forest management plan.

12

13

14 Prepared by: _____ December 30, 2021

15 Scott McPherson, R.P.F., Plan Author [date]

16

17

18 Submitted by: _____ December 30, 2021

19 Mark Lockhart, R.P.F., General Manager [date]

20

21 I hereby certify that the access, harvest, renewal and maintenance operations which are scheduled in
22 this annual work schedule have been developed in accordance with the requirements of the Forest
23 Management Planning Manual.

24

25

26

27

28 _____ December 30, 2021

29 [R.P.F. Seal] Scott McPherson, R.P.F., Plan Author [date]

30

31 NRIP Submission Identifier: **FM-754-2019-AWS-1691**

32 *Original, signed copies of the certification page are on file at the NFRM and NDMNRF District offices.*

33

1 Introduction

2 The Nipissing Forest is a forest management unit administered by the North Bay District of the Ontario
3 Ministry of Northern Development, Mines, Natural Resources, and Forestry (NDMNRF). The forest lies
4 within the North Bay District and the Northeast Region of the NDMNRF (Figure 1).

5 Nipissing Forest Resource Management Inc. (NFRM) manages this forest under the terms of a
6 Sustainable Forest Licence (SFL) # 542053.

7 This Annual Work Schedule (AWS) for the Nipissing Forest outlines the scheduling of previously planned
8 forest management activities. Conditions on regular operations identified in the forest management
9 plan will be followed in the implementation of this annual work schedule. More detailed planning
10 information can be referenced in the approved 2019 – 2029 Forest Management Plan (FMP) for the
11 Nipissing Forest. This AWS has been prepared in accordance with the 2020 Forest Management Planning
12 Manual and Forest Information Manual. Tables AWS-1 and AWS-2 and Attachments 1 to 6 are part of
13 the Annual Work Schedule. Further detail regarding harvest and silviculture operations can be
14 referenced in the 2019 FMP Supplemental Documentation Section 6.1.11 – Prescriptions for Harvest,
15 Renewal and Tending and Conditions on Regular Operations.

16 The scheduled harvest and silviculture operations information is supplied as a set of geospatial data
17 layers which identify and provide information on areas specific to the AWS operating year. Spatial data
18 layers are not considered mandatory components as their requirement is dependent on the types of
19 operations being scheduled for the year.

- 20 • MU754_22SHR00 – (Scheduled Harvest)
- 21 • MU754_22SRP00 – (Scheduled Residual Patches)
- 22 • MU754_22SRG00 – (Scheduled Regeneration Treatments)
- 23 • MU754_22SSP00 – (Scheduled Site Preparation Treatments)
- 24 • MU754_22STT00 – (Scheduled Tending Treatments)
- 25 • MU754_22SPT00 – (Scheduled Protection Treatments)
- 26 • MU754_22SAC00 – (Areas of Concern in Scheduled Operations)
- 27 • MU754_22SRC00 – (Scheduled Road Corridors)
- 28 • MU754_22SAG00 – (Scheduled Aggregate Extraction Areas)
- 29 • MU754_22SEA00 – (Scheduled Establishment Assessment)
- 30 • MU754_22SRA00 – (Scheduled Existing Road Activities)
- 31 • MU754_22SOR00 – (Scheduled Operational Road Boundaries)
- 32 • MU754_22AGP00 – (Existing Forestry Aggregate Pits)
- 33 • MU754_22SWC00 – (Scheduled Water Crossing Activities)
- 34 • MU754_22WSY00 – (Scheduled Wood Storage Yards)

35

1 Figure 1. Location and extent of the Nipissing Forest.



2

1 Harvest

2 The areas scheduled for harvest during the year are identified on the accompanying annual operations
3 maps. A harvest coverage layer provides data, which summarizes the scheduled harvest area for the
4 AWS year.

5 Sufficient area has been included in this AWS to provide operational flexibility to ensure continuous
6 wood supply and the ability to react to changes in market demand and weather conditions. The
7 scheduled regular and modified harvest areas of 26,653 ha (and associated volume) is slightly more than
8 the three years of the annual average available harvest area of 16,942 ha (84,960 ha / 10 years x 3,
9 including mid-rotation commercial thinning) and therefore represents approximately 31% of the total
10 planned harvest area in the FMP (there are 82,460 ha of normal harvest and 84,960 ha including mid-
11 rotation commercial thinning). The regular harvest area, however, includes whole blocks – some of
12 which have been partially harvested – therefore the net area identified is below 30% of the available
13 area. An additional 1,117 ha of bridging harvest area is also identified. Identifying this amount of area in
14 the AWS should allow for a reasonable level of harvest utilization while reducing the potential for
15 revisions to the AWS. Some revisions, however, may be required due to unforeseen circumstances.

16 The identified areas will allow for operational flexibility for fluctuating markets (species / products),
17 changing weather conditions, and provide a variety of site conditions to minimize damage. The intent is
18 to maximize the harvest on an annual basis. Additional area facilitates the potential for new business
19 relationships.

20 Personal fuelwood harvest areas are also allocated in the AWS. These areas are in Henry, Mulock,
21 Himsworth, Stewart, Widdifield, Pringle, and Merrick Townships for a total of approximately 42 ha.

22 Ongoing conditions in the demand for conifer pulp require NFRM to implement a temporary strategy
23 that will allow for modified harvesting and silviculture to take place on the forest when conifer pulp
24 markets are greatly reduced. Conifer pulp includes all softwood species commonly found on the
25 Nipissing Forest, e.g., spruces, pines, balsam fir, cedar, hemlock, and larch. Direction for operations are
26 described in FMP Supplemental Documentation 6.1.11, Section 6.0 (Modified Utilization Strategy) and
27 will be applied in the 2022-2023 AWS.

28 Wood Storage Yards

29 No wood storage yards are identified for this AWS.

30 Renewal and Maintenance (Tending and Protection)

31 Areas for renewal and maintenance are submitted in the AWS in accordance with the Forest Information
32 Manual.

33 Attachment 2 contains the silviculture annual work schedule maps at a scale of 1:50,000, a Silviculture
34 Operations summary map at a scale of 1:150,000, a Silviculture Operations summary map at a scale of
35 1:500,000, and an AWS Index Map – Silviculture at 1:500,000.

36 Roads

37 A roads coverage layer provides the annual schedule of road construction, maintenance and use
38 management for the fourth year of the FMP. Refer to Table FMP-18, and Section 4.5 of the FMP text

1 and Section 6.1.9 of the Supplemental Documentation for information pertaining to roads on the
2 Nipissing Forest for the 2019-2029 FMP.

3 The majority of the work required to access the forest will be in the form of general maintenance such
4 as summer grading, patch graveling (where required), snow plowing, and brushing. Emergency repairs
5 will be conducted if required.

6 No road construction or maintenance activities are scheduled for the purpose of creating or maintaining
7 an airstrip along a road.

8 [Water Crossing Construction](#)

9 The water crossings for the current year and future years have been included in AWS – 1 and are shown
10 on the 1:15,840 Areas Selected for Operation maps.

11 The associated Appendix # 1: Form for Submission of Information on a Proposed Water Crossing,
12 Appendix # 4 Site Inspection Form and additional supporting documentation (photographs) are provided
13 in a separate submission or download.

14 Water crossings on all primary and branch roads are monitored on a regular basis. On roads where
15 maintenance is scheduled, minor repairs of crossing structure such as cleaning of culverts, bridge
16 surface repairs, erosion control, etc. may be undertaken. In-water work, such as culvert replacement or
17 re-positioning, removal will not be undertaken without specific approval from the NDMNRF (and
18 inclusion in Table AWS 1 or Table AWS-2).

19 [Other Crossings of Areas of Concern](#)

20 The right-of-way width for any road crossing an AOC, regardless of the road location inside or outside
21 the allocated areas, is as required in table FMP- 11 and FMP Section 6.1.11 or as per the Conditions of
22 the AWS.

23 [Water Crossing Decommissioning](#)

24 AWS – 2 identifies the water crossings planned for decommissioning during the 2022-2023 term.

25 The associated Appendix 1-R Water Crossing Removal form and additional documentation
26 (photographs) are provided on a separately for NDMNRF risk assessment of removal.

27 [Forestry Aggregate Pits](#)

28 Active forestry aggregate pits which may be used, or rehabilitated during the term of the 2022-2023
29 AWS are identified in the spatial Existing Forestry Aggregate Pit layer and associated data file.

30 The pit locations and identification number are identified on the 1:15,840 operation maps.

31 As part of ongoing compliance (FOIP) inspections, NFRM will monitor aggregate use and rehabilitation
32 requirements.

33 [Fire Prevention and Preparedness](#)

34 As part of the regulations under the Forest Management Planning Manual (FMPM), a single fire
35 prevention and preparedness plan is prepared in the AWS to cover all licensees and all associated forest
36 industrial activities. Conditions are placed on forest operations through the AWS to provide for fire

1 prevention and preparedness. This replaces the need for individual licensees to prepare their own plan
2 and eliminates the need for separate work permits to cover industrial activities. Forest fire prevention
3 and preparedness measures to be implemented during the term of this AWS can be found in 'The 2022-
4 2023 Fire Plan for the Nipissing Forest' document that is identified as Attachment 3. The "Modifying
5 Industrial Operations Protocol", v2008, NDMNRF Publication #52136, will be used to modify forest
6 operations in regard to fire danger.

7 Prescribed burns

8 If burning of slash or other prescribed burns are to be conducted, a prescribed burn plan will be
9 prepared in accordance with NDMNRF's Prescribed Burn Manual. The prescribed burn plan will be
10 submitted in accordance with the requirements of the FIM and First Nation and Métis communities and
11 the LCC will be provided an opportunity to view the prescribed burn plan before its approval. The
12 approved prescribed burn plan will form part of and be available with the AWS (Attachment 6).

13 Monitoring and Assessment

14 Regeneration Success

15 Table FMP-20 entitled "Planned Assessment of Establishment" documents the total area planned for
16 survey during the 2019-2029 period. Areas identified to be surveyed for establishment in 2022-2023 in
17 are identified in the associated layer file.

18 Supplementary monitoring surveys, consistent with Section 6.1.8 (Forest Renewal Monitoring Protocol)
19 of the 2019 FMP, are scheduled.

20 Roads

21 As identified in the 2019-2029 FMP, NFRM will continue to monitor existing roads that will be used by
22 the forest industry during the implementation of the FMP. Water crossings that do not meet the
23 required standards will be identified and appropriate measures will be taken as needed. Refer to
24 Section 6.1.9 of the FMP Supplemental Documentation for details about the type of monitoring that is
25 required for each road (or network of roads).

26 Annual Compliance Plan

27 Scheduling of forest operation inspections and compliance priorities will be conducted as per the Annual
28 Compliance Plan for the Nipissing Forest located in Attachment 5. A detailed 10 Year Compliance Plan
29 and strategy can be found in Supplementary Documentation 6.1.19 of the 2019-2029 FMP.

30 Monitoring of Exceptions

31 As per 2019-2029 FMP Supplementary Documentation 6.1.6 Monitoring Exceptions - There are no Area
32 of Concern prescriptions or Silvicultural Ground Rules that are exceptions to the Guidelines, therefore,
33 there is no monitoring program for exceptions.

34 Insect Pest Management Programs

35 The occurrence and extent of insect infestations are determined annually. When a major insect pest
36 infestation exists the NDMNRF regional director will determine if an insect pest management program
37 (IPMP) will be developed. The IPMP will determine the types and locations of insect pest management
38 activities that are required.

- 1 The Northeast Region is in the midst of an outbreak of spruce budworm and an IPMP is being
2 investigated for potential implementation in 2022-2023. If an IPMP is to be implemented the following
3 management options will be considered as part of an IPMP and appended to the AWS, if required:
- 4 (a) no treatment;
 - 5 (b) accelerated harvest;
 - 6 (c) redirected harvest;
 - 7 (d) salvage harvest;
 - 8 (e) prescribed burns;
 - 9 (f) the use of insecticides;
 - 10 (g) other controls (e.g., bait traps); and
 - 11 (h) appropriate combinations of options (a) to (g).

12 Annual Work Schedule Summary Information

- 13 Summary maps showing the location of all harvesting, silvicultural activities, road construction and
14 maintenance has been prepared by NFRM. Copies of these maps are available from NFRM's office or on
15 the NDMNRF website.

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ATTACHMENT 3

2022-2023

Fire Plan for the Nipissing Forest

prepared by

Nipissing Forest Resource Management Inc.

for the

North Bay District NDMNRF

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1 **Fire Plan for the Nipissing Forest**

2

3 **NDMNRF AND FOREST INDUSTRY - BUSINESS PRACTICES**

4

5 **PURPOSE**

6

7 To ensure consistent operations with all forest management licensees and companies regarding

8 prevention, suppression and service of forest fires.

9

10 **GENERAL PRINCIPLES**

11

12 To ensure consistent operations with all forest management licensees and companies regarding

13 prevention, suppression and service of forest fires, the Ministry of Northern Development,

14 Mines, Natural Resources, and Forestry (NDMNRF) and forest industry will follow the

15 procedures described below.

16

17 This procedure has been developed with the understanding that the Forest Industry is a partner

18 in forest fire management with a vested interest in fire prevention and effective fire suppression.

19 Forest operations are regulated through the Crown Forest Sustainability Act (CFSA), Forest

20 Management Planning (FMP), and associated approvals under the Environmental Assessment

21 (EA) Act. Nothing in this procedure constitutes further requirements under the CFSA or Forest

22 Management Planning system. Under the authority of the FMP Manual and the CFSA, the

23 Annual Work Schedule (AWS) must describe plans for forest fire prevention and suppression

24 preparedness. The intent of these requirements is to:

- 25
- 26 • minimize the impacts of wildfires in forested areas;
 - 27 • minimize loss of wood supply, equipment, and wages for forestry workers;
 - 28 • minimize impacts on communities (safety and economic impact);
 - allow operations to continue, as long as safely possible.

29 The Forest Fires Prevention Act (FFPA) requires all persons who start a fire outdoors to keep

30 the fire under control and to extinguish the fire before leaving the site. Also, any person that has

31 started a fire that is not kept under control shall report the fire without undue delay.

32 To provide for the safety of all workers involved in fire suppression, consistent standards must

33 be in place for fire suppression activities.

34

35 **1. NORMAL OPERATIONS**

36

37 The following procedures apply when forest operations are focused on their normal business.

38 Under Normal Operations, forest industry involvement in fire management is focused on fire

39 prevention and being prepared for action on a new fire they might discover.

- 40
- 41 1.1 The *“Fire Prevention and Preparedness Plan”* is submitted as a portion of the AWS and
- 42 will be reviewed by the local Fire Management Supervisor prior to the AWS being
- 43 approved by the District Manager.

44

45 *The “Modifying Industrial Operations Protocol”* describes the conditions that allow forest

46 industry to work longer during periods of increasing forest fire danger. Extended work is

47 directly related to the capability of the forest industry to prevent and report fires and to

48 effectively use fire suppression equipment should a fire occur.

1
2 The requirements for an operation to be classified as "Trained and Capable" for the
3 purposes of extending work hours during high fire danger are outlined in section 1.3 of the
4 "*Modifying Industrial Operations Protocol*".

5
6 The Ministry recognizes that certain details may not be available when the AWS is
7 submitted for approval. These details should be noted in the AWS, and arrangements
8 made to have that information inserted into the AWS prior to April 1st.
9

- 10 1.2 Forest industry plans should indicate they will report all fires found on or adjacent to their
11 limits to the nearest NDMNRF Office or the NDMNRF Fire Reporting Line at **310-FIRE**
12 **(3473)** as quickly as possible and will take action on the fire according to their capabilities.
13
- 14 1.3 One of the key features of fire fighter training is the ability to recognize unsafe situations. If
15 forest industry personnel are not able to work safely and productively on the fire, they
16 should leave the scene to a safe distance. NDMNRF fire staff arriving on the scene may
17 direct forest industry personnel to leave the scene for safety reasons.
18
- 19 1.4 If industry personnel find, contain and extinguish a fire caused by lightening or human
20 activity not associated with forest industry operations and if the forest company has
21 reported the fire as soon as possible to:
22 • the nearest NDMNRF Fire Office or
23 • the NDMNRF Fire Reporting Line at **310-FIRE(3473)**
24
- 25 a. The NDMNRF will compensate the forest company for action on these fires at a flat
26 rate of \$600.
27 b. Where the company incurs costs in excess of \$600, the company may submit a
28 detailed invoice within 30 days of the incident, itemizing its costs on the fire.
29 c. The NDMNRF will, with consideration of the investigation policies and operational
30 limits, investigate the fire cause and create a fire report.
31

32 Note: Industry must report all fires to the local NDMNRF Fire Office to assist in the evaluation of
33 the daily fire danger.
34

- 35 1.5 If under Subsection 1.4 (above) industry personnel take initial action or incur expenses
36 trying to contain a forest fire but are unable to contain or extinguish the fire. The
37 company must report the fire as soon as possible to:
38 • the nearest NDMNRF Fire Office or
39 • the NDMNRF Fire Reporting Line at **310-FIRE (3473)**
40 a. The local Ministry Fire Office will send assistance, investigate the fire cause and
41 create a fire report.
42 b. The NDMNRF will compensate the forest company for action on these fires at a flat
43 rate of \$600.
44 c. Where the company incurs costs in excess of \$600, the company may submit a
45 detailed invoice within 30 days of the incident, itemizing its costs on the fire.
46
- 47 1.6 During normal operations when forest industry employees take initial action on a fire they
48 remain employees of the forest industry for WSIB purposes.
49
50

1 **2. ESCALATED FIRE OPERATIONS**
2

3 Fire Operations are “escalated” when fire danger has increased to a critical level and/or a major
4 fire situation has developed. The following procedures will prepare both the Ministry of Natural
5 Resources and the forest industry to better respond to emergency situations where the Ministry
6 may need to requests industry support or assistance.
7

- 8 2.1 In order for equipment and staff to be used on short notice during escalated operations,
9 forest industry will provide rental and wage rates to the NDMNRF annually as part of the
10 AWS. Forest industry should list all heavy equipment, fire fighting equipment, vehicles,
11 chain saw operators, support personnel and camp facilities that will be available under
12 escalated operations.
- 13 • Rates for vehicles and heavy equipment (bulldozers, skidders, trucks, etc.) should
14 include the float, working and a stand-by-rental rate of the machine including the
15 operator wages, current fuel prices and maintenance costs.
 - 16 • If an hourly float rate is identified in the rate schedule, float times will be calculated from
17 the equipments originating location to a designated staging area or off-loading point
18 nearest the fire line
 - 19 • Per Diem rates for room and board at forest industry camps or facilities will include
20 cooking, food, camp support, supplies, etc.
 - 21 • Rates for chainsaw operators will include wages, saw rentals and saw maintenance.
 - 22 • Note: When companies are supplying rates which include fuel costs, the rates should
23 reflect the most current fuel prices available. In view of the volatile nature of current fuel
24 prices local fire managers may renegotiate fuel costs at the time of hire (if conditions
25 warrant).

26
27 2.2 If forest industry and the local NDMNRF Fire Office agree; agreed upon rates outlined in
28 section 2.1 (above) can be submitted separately from the AWS submission. If industry
29 cannot supply rates due to special circumstances, a standard rental offer for the use of
30 heavy equipment will be completed at the time of hire, to establish a rental rate for the
31 piece of equipment.
32

33 2.3 NDMNRF will compensate companies for services, personnel and equipment where the
34 NDMNRF has approved the use of the services in writing. The written approval will also
35 describe the rates for special services not included in annual plans and conditions that
36 have been negotiated on the scene (e.g. helicopters, buses, GIS services, road graders,
37 etc.).
38

39 2.4 NDMNRF will compensate forest industry for employees working directly as fire fighters
40 only if they are certified SP-100 fire fighters. Staff trained to the SP-102 training standard
41 for the purposes of fire prevention and initial action are not considered as trained for the
42 purposes of extended fire suppression duties during Escalated Fire Operations.
43

44 Equipment operators, chain saw operators, and other forest industry personnel not directly
45 fighting the fire do not require SP-100 to carry out their duties.
46

47 Heavy equipment operators and heavy equipment technical specialists (line locators)
48 hired to construct fire line or fire guards must be trained to the SP-160 and SP-403
49 standards respectively. Heavy equipment operators without training may be used under
50 direct supervision by NDMNRF or trained forest industry staff.

- 1
2 2.5 Forest industry employees working as crew bosses (supervising fire fighters on the fire
3 line) must have SP-200 training.
4
5 2.6 NDMNRF will compensate the forest industry for fire fighters and crew bosses identified in
6 Subsections 2.4 and 2.5, engaged in sustained fire fighting duties at the established rate
7 as outlined in section 2.1 or 2.2(above).
8
9 2.7 Forest industry employees identified in Subsections 2.4 and 2.5 will be paid overtime of
10 time and one half for all hours worked in excess of 8 hours per day, and for all hours
11 worked on scheduled days off and statutory holidays.
12
13 2.8 If the AWS does not specifically set rates for personnel mentioned in subsections 2.6, the
14 rate identified for the equivalent position in the current "PROVINCIAL EFF WAGE RATES"
15 will be used.
16
17 2.9 NDMNRF will compensate the company for supervisors and management personnel
18 directly involved in fire operations at the rates established in the AWS annually. Company
19 personnel visiting the fire to observe operations or assess impacts on company interests
20 will not be considered for compensation.
21
22 2.10 If not specified as being covered as part of the compensation rates as described in
23 Subsections 2.5 or 2.8, NDMNRF will compensate the forest industry for employee
24 benefits at the rate of 13.0% of total wage earnings.
25
26 2.11 For forest fires within designated fire regions, the NDMNRF is considered to be the
27 summoning authority for WSIB purposes. Persons summoned in these circumstances are
28 deemed as a worker of the NDMNRF.
29

30 The NDMNRF will provide WSIB coverage for persons hired directly from forest industry
31 during Escalated Fire Operations. This includes forest industry personnel engaged in
32 ground fire fighting duties, heavy equipment operators and operators of contract
33 equipment hired by the forest industry.
34

35 In this regard, forest industry workers hired under this procedure are different from
36 contractors because contracts for services provide for WSIB coverage under the contract.
37 In the event of an injury, the employee must report that injury to the NDMNRF
38 representative on site to ensure that the proper WSIB reporting timeframes are met. The
39 NDMNRF supervisor on site will investigate all injuries.
40

- 41 2.12 Where NDMNRF requests forest industry owned forest fire suppression equipment to be
42 used in Escalated Fire Operations, the NDMNRF will pay the daily rates set according to
43 Subsection 2.1 for the use of that equipment and will recycle all the equipment at no
44 charge to the forest industry if the rental rate does not explicitly include the cost of recycle
45 of the equipment by the forest industry.
46

47 For portable forest fire fighting equipment (e.g. power pumps), NDMNRF will provide
48 mixed fuel for the operation of the equipment (rented "dry"). Fuel for vehicles and heavy
49 equipment will be included in the vehicle rental rate (rented "wet") according to Subsection
50 2.1.

1
2 NDMNRF will replace or repair, forest industry owned forest fire suppression equipment
3 that has been lost or damaged during the suppression of a forest fire. NDMNRF will not
4 repair or replace any equipment damaged due to age or normal wear and tear
5 (compensation for wear and tear should be factored into the rental rates established by
6 the forest industry annually), or due to negligence, improper maintenance or improper
7 operation by forest industry employees.
8

9 2.13 NDMNRF has the authority under the FPPA to use any equipment available in emergency
10 situations (FPPA, Sections 7 and 26). Compensation for equipment used under these
11 circumstances will be at the rates set according to Subsection 2.1 and 2.2.
12

13 2.14 When the NDMNRF contracts for the use of heavy equipment from the forest industry, the
14 forest industry will be compensated for use according to rates quoted in advance, usually
15 within the AWS.
16

17 If the forest industry hires additional heavy equipment and/or support to assist NDMNRF
18 in suppression efforts, compensation for any additional hires will be at the rates as defined
19 within the applicable AWS

- 20 • Payment to any subcontractors will be organized through the hiring agent.
- 21 • OMNRF will not directly accept invoices from any additional hires by forest industry.
- 22 • Invoices received directly by the OMNRF will be returned to the company for
23 processing.
24

25 2.15 If equipment that is not insured for use in forest fire suppression, including subsequent
26 loss or damage, is directed to work on a forest fire by Ministry personnel in an emergency
27 situation, the NDMNRF will proceed as follows:

- 28 a) NDMNRF will compensate the forest industry for equipment that is lost or damaged
29 by the wildfire, or directly as a result of suppression activities using "actual cash value".
- 30 b) If equipment is required for an extended operational period, equipment that is not
31 insured for use in forest fire suppression, including subsequent loss or damage, will be
32 replaced by properly insured equipment as soon as possible.
- 33 c) NDMNRF will not compensate the forest industry for equipment that is lost or
34 damaged due to mechanical failure or operator error.
35

36 2.16 The forest industry will be required to submit, on a daily basis, a report detailing all costs
37 incurred for that day. This report is to be approved and signed upon its receipt by the
38 NDMNRF representative on site. A copy of the approved report will be provided back to
39 the forest industry for their records.
40

41 2.17 The forest industry will invoice the designated NDMNRF office within thirty (30) days of
42 when the costs were incurred.
43

44 2.18 The NDMNRF will process forest industry invoice(s) upon receipt and forward payment.
45 Ministry payment terms are net 30 days from the date that the ministry office receives the
46 company invoice.
47

AWS Table -FP#1 Identification and Contact Information for Licensees and Contractors (including Silvicultural Contractors)
All area code (705) unless indicated otherwise

LICENSEES	CONTRACTOR (IF APPLICABLE)	ADDRESS	CONTACT	PHONE #	FAX NUMBER	CELLULAR #
Nipissing Forest Resource Management Inc. (NFRM)		P.O. Box 179, Callander, ON P0H 1H0 Email Addresses: Initial/lastname@nipissingfor est.com	Mark Lockhart	752-5430 ext 21	752-5736	499-6275
			Andree Morneault	752-5430 ext 22	752-5736	499-0154
			Daryl Sebesta	752-5430 ext 25	752-5736	471-1944
			Andy Straughan	752-5430 ext 24	752-5736	471-6039
			Ric Hansel	752-5430 ext 29	752-5736	471-1691
GP North Woods LP		327022, Highway 11 North, Englehart, ON P0J 1H0	Tammy Mazzetti	544-6153	544-6214	544-3945
R. Fryer Forest Products		R.R. #1, Monetville, ON P0M 2K0	Dwight Fryer	898-2286	898-2126	670-4884
Goulard Lumber (1971) Limited		P.O. Box 6245, 175 Goulard Road, Sturgeon Falls, ON P2B 3K7	John McNutt Matt Eatough	753-2220	753-4588	498-0268 845-8319
Hec. Clouthier & Sons		245 Golf Course Rd., Pembroke K8A 7M1	Thomas Clouthier Clyde Clouthier	Camp 747-0840	(613) 732- 1517	(613) 732-0301 (613) 732-0430
Rayonier Advanced Materials	Janveaux Logging.	10 Chemin Gatineau Temiscaming, Quebec	Brian Bjorkquist	705-644-3309	705-789- 7099	705-788-5308

LICENSEE	CONTRACTOR (IF APPLICABLE)	ADDRESS	CONTACT	PHONE #
Antoine Algonquin Community Services Corp.	Janveaux Logging	P.O. Box 770 Mattawa, ON P0H 1V0	Dave Joannis	744-5695 or 845-1641 (cell)
Reed Forestry and Fuel Wood		120 Rowley Rd, Redbridge, ON P0H 2A0	Ryan Reed	(705) 303-7333 (cell)
Culin Forestry		106 Graybow Drive Nipissing, ON P0H 1W0	Marc Culin	729-1630 477-0123
Gorham Trucking		Box 92 Loring, ON P0H 1Z0	Terry Gorham	705-757-2154 705-493-6285
Lucien Groulx & Son	Ben Hokum and Sons	P.O. Box 6, R.R. #1 Asterville P0H 1B0	Richard Groulx	752-4413 499-1287 (cell)
Frerot Forestier	Drail Forestries	14 Pike Lake rd. Field, ON P0H 1M0	Jean and Tammie Liard	758-6567
Bruno Quenneville		R.R. #1 Field, ON P0H 1M0	Bruno Quenneville Mark Quenneville	758-6634 758-1140
Madadijwan Economic Development Corp.	Janveaux Logging	318 Main Street, PO Box 1330, Mattawa, ON, P0H 1V0	Cliff Bastien	744-3360 or 744-3361 (fax)
E. Janveaux Logging		P.O. Box 40 Mattawa, ON P0H 1V0	Denis Janveaux Tom Bartlett	744-2947 744-8288 (cell) 744-4245
Powassan Firewood and Logging		215 English Line, Powassan, P0H 1Z0	Kirk Micallef	705-840-6764
Lavern Heideman & Sons Limited		2057 Foymount rd. Eganville, ON. P0J1T0	Mike Johns	613-633-0870
NBISIING Forestry Inc.		36 Semo Rd., Garden Village, Sturgeon Falls, ON P0H 2G0	Jeff McLeod	753-2050
Nipissing Forest Resource Management Inc. (NFRM)	Brinkman & Associates Reforestation Ltd	520 Sharpe Street, New Westminster BC, V3M 4R2	Mike Hayes	705-494-0952

LICENSEE	CONTRACTOR (IF APPLICABLE)	ADDRESS	CONTACT	PHONE #
	Flichel Forestry Inc.	22 Melissa Ct., North Bay, Ontario, P1C 1M8	Jeff Flichel	705-476-5632; 705- 498-7377 cell
	Expedition Helicopters Inc.	190 Hwy 11 W P.O. Box 160, Cochrane, Ontario, P0L 1C0	Wes Kay	705-272-5755; 705- 705-888-9601 cell
	Longwood Forestry Services Ltd.	797 Lakeshore Dr., North Bay, Ontario, P1A2G7	Steve Mallory	705-471-6379 cell
	MEDC – Contractor E. Janveaux Forest Products Ltd.	318 main street, P.O. Box 1330 Mattawa, ON P0H 1V0	Cliff Bastien Luc Gelinis	705-744-3360 705-744-3361 cell 705-498-2091 cell; 744-4245
	Backcountry Property Management	111 Songis Rd., Redbridge, ON P0H 2A0	Steve Chenier	705-471-6834 cell 705-663-1195 home 705-892-2310 Blue L. Camp

TABLE -FP #2 FIRE SUPPRESSION EQUIPMENT REQUIRED

As per the Forest Fires Prevention Act (FFPA), **a serviceable 6A80BC fire extinguishers must be on or within 5 meters** of all mechanical equipment operating in the forest.

Persons conducting industrial activities in the forest must also have available fire suppression equipment for suppressing wildfires that are started by the operation or are discovered in the course of daily operations. For groups of workers working in the same general area (e.g., cut block) this equipment can be stored in a "fire equipment cache" located centrally to the worksite. The cache must be located as close as possible to but **no further than 10 km.** (10 minutes each way – 20 minutes round trip) from the operations.

Workers must be able to get the fire equipment cache to the fire location within **20 minutes** by ground transportation. If this is not possible, a second cache will be necessary. A fire equipment cache contains a minimum of:

- one pumping unit, and
- 3 shovels

If a fire occurs and parts of the fire equipment cache are used in fire suppression efforts, the cache must be returned to a serviceable condition prior to work commencing the next workday.

Table 1 from the Modifying Industrial Operations Protocol (2008) located on the next page - identifies the types of operations that require a fire equipment cache or other fire suppression equipment such as backpack pumps. Independent businesses with separate or unique contracts / licenses working within a 10 km. radius of each other will each (independently) be required to have adequate suppression equipment, as identified in Table 1.

If two or more of these independent contractors wish to aggregate and collectively come together to share equipment across the operational area (the 10 km. radius – maximum 20 minutes round trip), this will be identified in the Fire Plan. These collective operational areas must identify communication plans and response actions to be taken should a fire be discovered, as discussed within the fire prevention and preparedness plan.

It is recommended that the backpack pump be carried on some machines as outlined in Table 1. If an alternative backpack location is to be used, this will be outlined in the fire plan.

Most non-mechanical, low-risk forest activities such as timber cruising or regeneration surveying do not require fire suppression equipment. However, labor-intensive activities such as hand tending and tree planting do require some suppression tools as outlined in Table 1.

Table 1: Suppression Equipment required by operation			
Operations	Number of Machines	Number of Equipment Caches	Backpack Pumps*
Heavy equipment with tire chains or tracks, working in forest fuels.	1 – 5	0	1/machine
	6 +	1	
OR**: Heavy Equipment at work within a 10km radius of each other (includes hot work).	1 - 9	0	1/machine or hot work operation
	10 +	1	
Tree plant, manual tending or other labour-intensive operations		0	1 for every 4 workers, to a maximum of 10/site

* A serviceable pressurized *water delivery system* located on a machine can replace a backpack pump.

**Only one fire equipment cache will be required on site, providing it is within 20 minutes (by ground transportation) of all equipment.

TABLE -FP#3 FIRE TRAINING

LICENSEE	CONTRACTOR (IF APPLICABLE)	NAME	TRAINING LEVEL	LAST DATE TRAINED
NIPISSING FOREST RESOURCE MANAGEMENT INC. - Fire trained and capable		Ric Hansel	SP-102	May 16, 2014
		Daryl Sebesta	SP-102	May 16, 2014
		Andy Straughan	SP-102	May 2001
Goulard Lumber	Goulard Logging	Omer Lachance	SP-102	2014
		Richard Ayotte	SP-102	2014
		Gaston Larabie	SP-102	2014
		Gerald Courchesne	SP-102	2014
		Marc Boisclair	SP-102	2014
		Gilbert Langlois	SP-102	2014
		John McNutt	SP-102	2014
		Daniel Larochelle	SP-102	2014
BRUNO QUENNEVILLE - Fire trained and capable		Mark Quenneville	SP-102	May, 1998
		Bruno Quenneville	SP-102	May, 2003
Rayonier Advanced Materials - Fire trained and capable		Brian Bjorkquist	SP-200	Spring, 1991
Reed Forestry and Fuel Wood - Fire trained and capable		Carl Holtz	SP-102	May 16, 2014
Frerot Forestier		Jean Liard	SP-102	May 16, 2014
		Gerald Liard	SP-102	May 16, 2014
Hec Clouthier and Sons		Tom Clouthier	SP-102	May, 1996
		Willis Clouthier	SP-102	May, 1996
		Clyde Clouthier	SP-102	May, 2003
		Brett Clouthier	SP-102	May, 2017
		Daniel Dumont	SP-102	May, 1996
		Claudin Dumont	SP-102	May, 1999
		Miguel Dumont	SP-102	2017
		Roger Langlois	SP-102	May, 1998
		Jamie Carpenter	SP-102	2019
		Malcolm Walley	SP-102	May, 1999

LICENSEE	CONTRACTOR (IF APPLICABLE)	NAME	TRAINING LEVEL	LAST DATE TRAINED
		Hans Frolicch Christian Caron Roger Viens William Jessup Justin Thomas Mark Thomas Dean Hartwig Kory Bell	SP-102 SP-102 SP-102 SP-102 SP-102 SP-102 SP-102 SP-102	May, 2005 May, 2017 May, 2017 July, 2016 2019 2019 2019 2019
Lucien Groulx and Son		Richard Groulx	SP-102	May 2005
Janveaux Forest Products		Denis Janveaux Aaron Backer Andre Landry Dale Boutz Brian Gauthier Joey Schembri Robert Gauthier Jason Ranger Tom Bartlett Kevin Latimer Richard Gauthier Frank Desgroseilliers Chris Forbes Daniel Gauthier Alex Gauthier Paul Gauthier	SP-102 SP-102 SP-102 SP-102 SP-102 SP-102 SP-102 SP-102 SP-102 SP-102 SP-102 Bonfield Vol. Firefighter Bonfield Vol. Firefighter SP-102 SP-102 SP-102 SP-102	May, 1996 May, 2000 May, 2014 May, 2005 May, 2005 May, 2005 May, 2014 May, 2014 May, 2005 May, 2014 May, 2014 May, 2014 May, 2014 May, 2014 May, 2014 May, 214
Madijawan Economic Development Corp.	Janveaux	Refer to the list of names above.		
Antoine	Janveaux	Refer to the list of names above.		
	Madijawan Economic Development Corp.	Luc Gelinis	SP-102	April 8, 2010

TABLE -FP# 4 - COMPANY & CONTRACTOR EQUIPMENT AVAILABLE FOR FIRES

LICENSEE	CONTRACTOR (IF APPLICABLE)	TYPE	AMOUNTS	EQUIPMENT RATE INCLUDING LABOUR AND FUEL per hour
EMILE JANVEAUX FOREST PRODUCTS (also operates as a contractor for Tembec, the Antoine Algonquin Community Services Corp. and MEDC)		Feller Bunchers	3	\$220.00
		Float	1	\$150.00
		Excavator	2	\$170.00
		Grapple Skidders	5	\$150.00
		Pumping Units Pack Pumps, Shovels, Axes	2 1 for each machine 15 15	\$80.00
Goulard Lumber	Goulard Logging	Excavators – 24 ton class	3	\$140.00
		Skidders	8	\$130.00
		Dozers TD-15	2	\$120.00
		Dozer – Cat D5	1	\$100.00
		55 Ton Float	1	\$140.00
		Feller-Bunchers	2	\$175.00
		Wajax Pump	1	
		Hose	3000 ft	
		Pack Pumps	10	
		Axes & Shovels	10	
		Cutter/Fire Fighters	15	\$50.00 straight time \$65.00 OT
		Supervisors	2	\$50.00 straight time \$65.00 OT
		FREROT FORESTIER		Skidders
Feller Buncher	1			\$160.00
Excavator	1			\$120.00
Log loaders	3			\$ 80.00
Float	1			\$135.00
D6 Dozer	1			\$110.00

		Pack Pumps Shovels Axes	1 for each machine	
BRUNO QUENNEVILLE		Skidders Feller Buncher	3 1	\$70.00 cable & \$90.00 for grapple \$160.00
		Pack Pumps	1 for each machine	
Reed Forestry		24t Excavator Grapple Skidder Wheel Loader TK Buncher Pack Pumps Shovels Axes	1 2 3 1 1/machine	\$140.00 \$150.00 \$140.00 \$210.00
Richard Groulx		Excavator - 490E Backhoe - 310SJ Dozer - 450H Grader - 740 Champion Float - 20 tonne Dump Truck - tri axle	1 1 1 1 1 1	\$ 110.00 \$ 85.00 \$ 85.00 \$ 120.00 \$ 110.00 \$ 80.00
Ben Hokum and Son (contractor for Groulx)		Feller Processor Forwarder	1 1	\$ 170.00 \$ 150.00

Hec Clouthier and Sons		D6R Dozer	1	\$125.00
		D6 Dozer	1	\$120.00
		Excavator	3	\$140.00
		Float	1	\$135.00
		Grapple Skidder	3	\$130.00
		Cable Skidder	1	\$110.00
		Feller Buncher	2	\$175.00
		Pumping unit and hose	1	\$ 75.00
		Pack pumps		
	Shovels	15		
			15	
Culin Forestry		Grapple Skidder – 480B	1	\$ 130.00
		Dozer – 650 JD	1	\$ 110.00
		Excavator – 490 JD	1	\$ 100.00
Gorham Trucking		Cable Skidder	1	\$ 110.00
		Dozer	1	\$ 100.00

Appendix 1

Daily operations during the Fire Season

From April 1, to October 31, the FFPA and MIOP guidelines must be followed. On a daily basis, all operations will have a designated person (foreman etc.) who will be responsible for ensuring that their respective operation follows both of these pieces of legislation. This includes checking indices (by phone or internet) and using the MIOP keys/flowcharts to determine if operations are permitted in specific locations. This person will also be responsible relaying this information to all other workers on site (by phone, txt message, 2-way radio etc.).

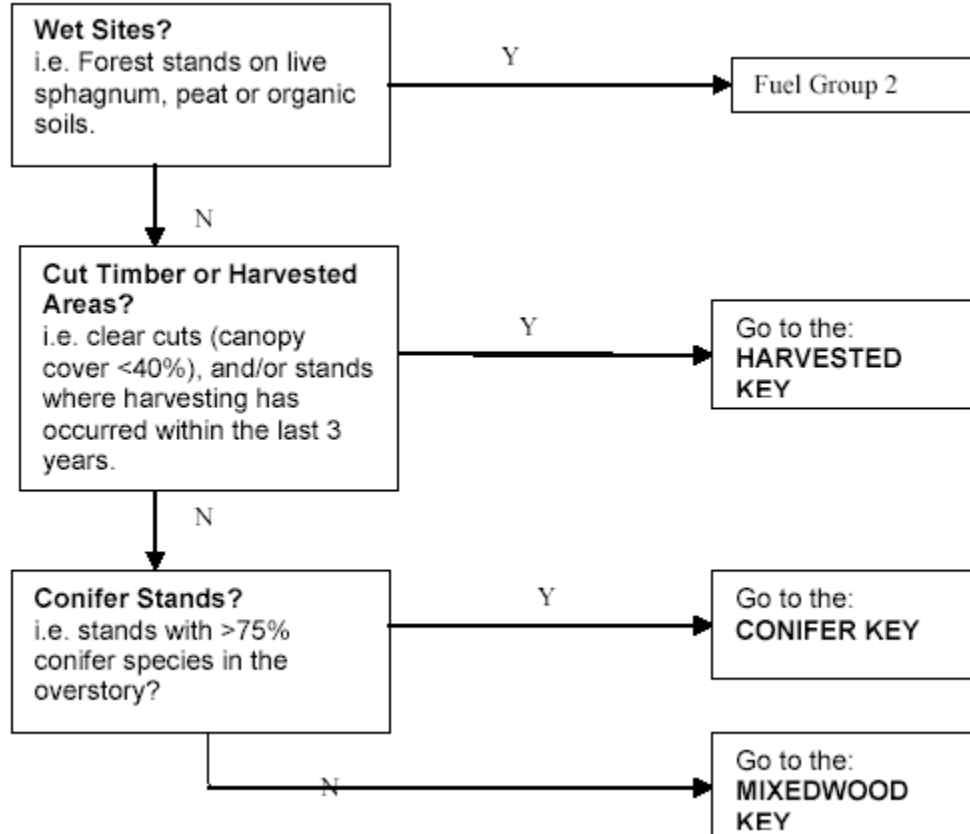
Fuel Group Keys

Overview Key

The following overview key directs the user to the proper key for a given forest stand.

Following through the decision key, an initial fuel group is identified (numbered 1 – 5). Stand Modifiers (+1/ -1) are then applied to make site-specific adjustments. Stand modifiers account for local site factors that may increase or decrease the fire hazard of the site. Some modifiers depend on summer foliar moisture conditions or "Leaf On", as determined each year by the local NDMNRF fire management supervisor in consultation with the regional duty officer.

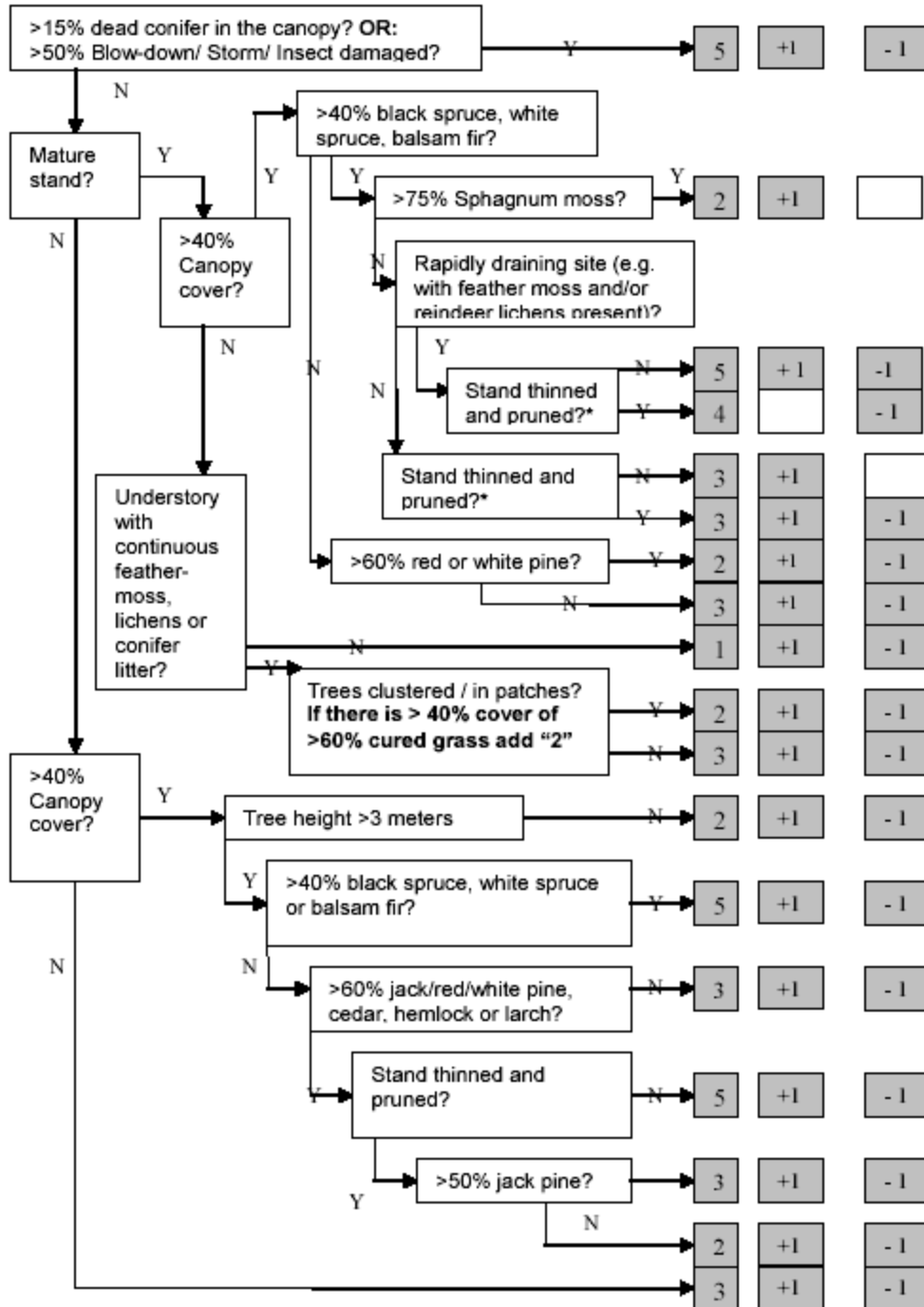
For determining the fuel group, the amount of forest area or "stand" to be assessed will be representative of the work area to be covered in one day/shift of operation.



Conifer Key

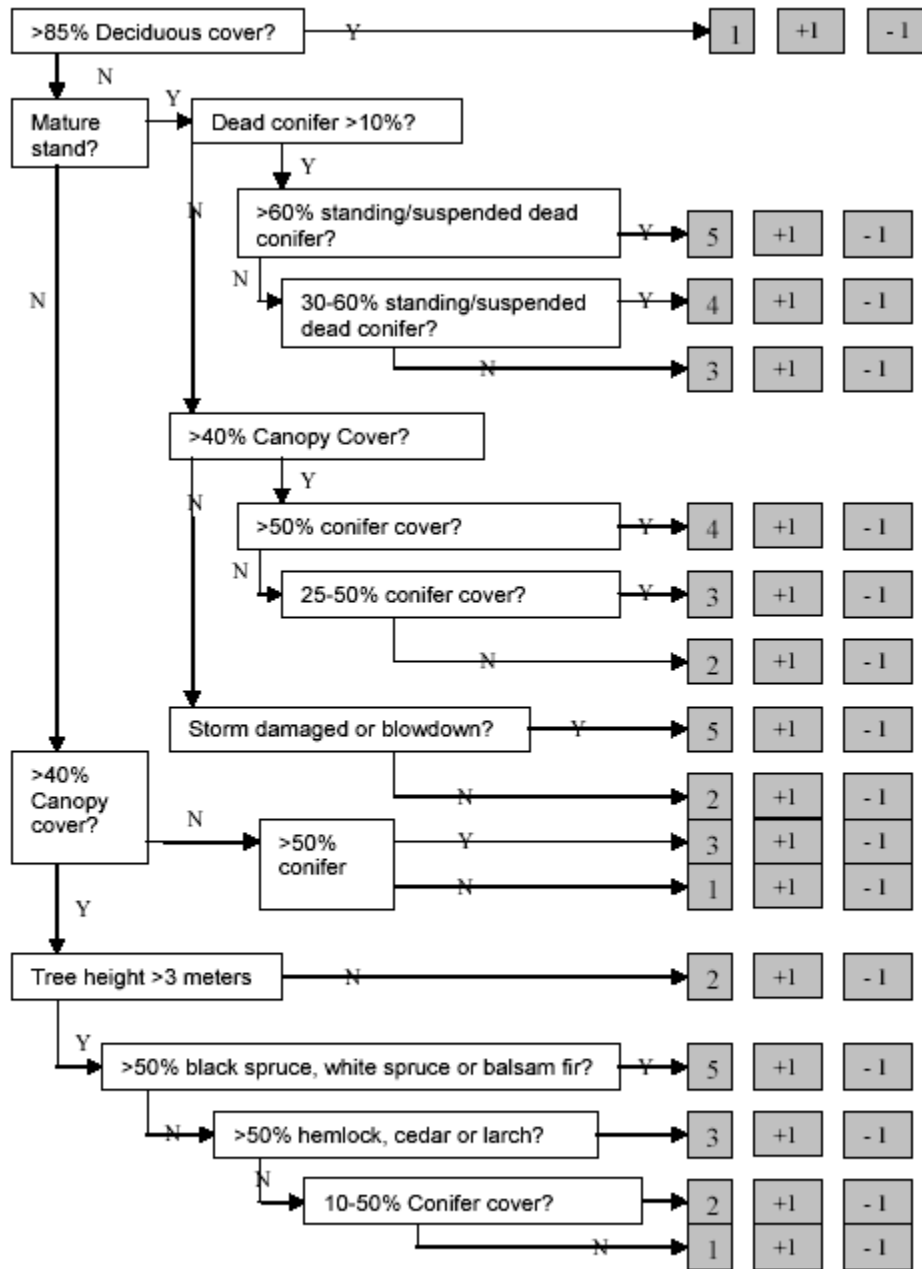
>40% black spruce overstory in Leaf-on OR >40% cover of deciduous herb or shrub layer in Leaf-on (-1)

>40% Cover live or dead understory conifer (+1)



Mixedwood Key

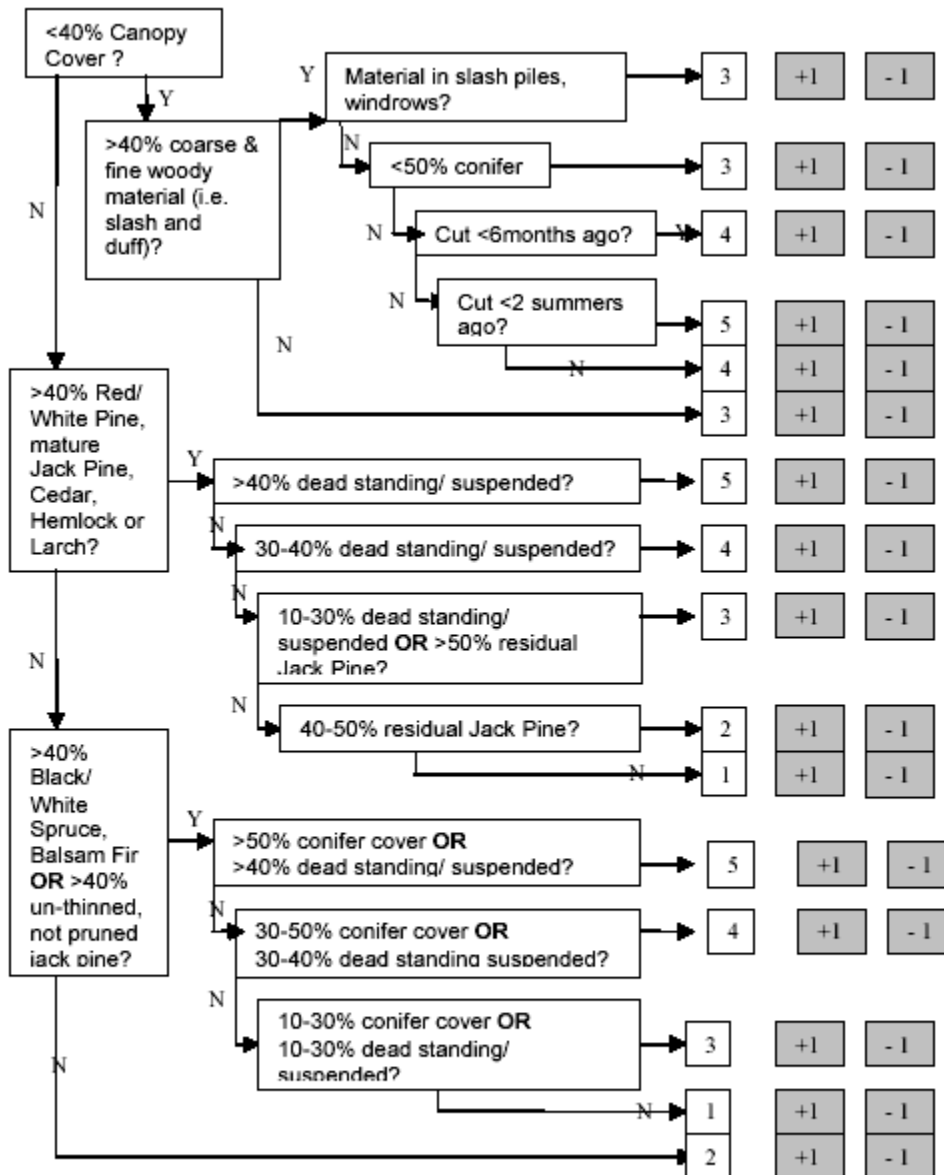
>40% cover of deciduous herb or shrub layer in Leaf-on (-1)
 >40% Cover live or dead understory conifer (+1)



Note: "suspended" means slash (or dead material) not in direct contact with the ground

Harvested Key

>40% cover of deciduous herb or shrub layer in Leaf-on (-1)
 >40% Cover live or dead immature conifer (+1)



Note: "suspended" means slash (or dead material) not in direct contact with the ground

OPERATIONS MODIFICATIONS (TABLE 6)

Table 5 lists the operational modifications required for industrial operations based on the risk of the operation, the daily reported fire intensity code for the fuel group at the work site and the workers' classification as Trained and Capable or Limited Operator. Descriptions of the modifications are outlined following the table.

Table 5: Modified Operations Table			
Operational Risk	Fire Intensity Code	Work Modifications	
		Limited	Trained
Very High Risk	A	SD	SD
	B	SD	RS
	C	SD	SS
	D	P	P
	E	P	P
High Risk	A	SD	RS
	B	SD	SS
	C	SS	P
	D	P	P
	E	P	P
Moderate Risk	A	SD	SS
	B	SS	SS
	C	P	P
	D	P	P
	E	P	P
Low Risk	A, B, C, D & E	P	P
P = Prevention SS = Short Shift RS = Restricted Shift SD = Shut Down			

Definition of Modification Levels

Operational modifications (P, SS, RS or SD) will apply starting at 00:01hrs (local time) on the calendar day for which the modification is identified.

P = Prevention (Normal Operations)

Prevention is a part of normal operations and must ensure compliance to Ontario's *Forest Fires Prevention Act* at all times, on all operations. Company fire preparedness and prevention plans must outline and identify how companies will implement activities aimed at preventing wildfires.

SS = Short Shift

Operations are **not** permitted between 12:00 and 19:00, local daylight savings time. Prevention measures still apply and a dedicated patrol* of the area must be carried out for one hour after operations shut down.

RS = Restricted Shift

Operations are **not** permitted between 08:00 and 22:00, local daylight savings time. Prevention measures still apply and a dedicated patrol* of the area must be carried out

for one-hour after operations shut down. Identify water sources close to operations prior to commencing any operations.

SD = Shutdown

Operations are **not** permitted starting at 06:00, local daylight savings time on the first day of shutdown. Operations will remain suspended until conditions change and Prevention, Short Shift or Restricted Shift is indicated. Prevention measures still apply and a dedicated patrol* of the area must be carried out for one hour after operations cease. Once this initial patrol is complete, lower risk operations working in the vicinity can offer dedicated fire patrols during the shutdown period.

* Operators conducting the dedicated patrol must have the ability to immediately report fires.

FIRE PREVENTION

REPORTING / DETECTING

STANDARD OPERATING PROCEDURES

- ✧ All fires (forest & equipment) are to be reported immediately to supervisors and to NDMNRF fire reporting number: 310 FIRE (3473)
- ✧ When reporting a forest fire to the NDMNRF the minimum required information is: discovery time of the fire; expected cause of the fire if known; location of the fire; size of the fire; access to control the fire; fuel types; other values in the area. Additional information to include is: distance to nearest water body; wind direction and velocity; rate of spread
- ✧ Take immediate action to warn others of the fire and extinguish any fire which may be controllable
- ✧ Report immediately to supervisors any fire extinguishers, suppression equipment, or fire cache which appears to be defective, tampered with, or used

FIRE PREVENTION
REPORTING / DETECTING
GOOD MANAGEMENT PRACTICES

- ✧ Report immediately any fire which is uncontrollable as soon as it is detected
- ✧ Report any additional information which may be of help to the fire fighters

FIRE PREVENTION

HEAVY EQUIPMENT

STANDARD OPERATING PROCEDURES

- ✧ All heavy equipment must be equipped with one operable fire extinguisher rated at least 6A 80BC
- ✧ All equipment must have a proper muffler with spark arrester
- ✧ The mufflers or spark arresters are not to be altered or modified in any way
- ✧ Mufflers and spark arresters are to be checked and cleaned weekly
- ✧ Refueling areas must be cleaned to mineral soil for 8 m (25 feet) around refueling stations
- ✧ All gasoline & diesel powered equipment must be shut down during refueling
- ✧ All heavy equipment must be parked in area free from combustible material and master switches shut off
- ✧ All heavy equipment must be checked as a minimum on a daily basis for flammable material, and the material / debris must be removed
- ✧ All removed material must be disposed of in a safe and proper manner
- ✧ All skidder operators must have an operational pack pump filled and readily available at the active landing
- ✧ All other equipment operators must have 1 pack pump (for each piece of equipment), filled, operable and readily available at all times during the fire season

FIRE PREVENTION

HEAVY EQUIPMENT

GOOD MANAGEMENT PRACTICES

- ✧ Skidder operators will have a pack pump filled and operable, and preferably mounted on their skidder rather than at the landing, especially during periods of high fire danger
- ✧ Equipment must be checked periodically throughout the day for debris / flammable material and if found, must be removed
- ✧ It is recommended that pack pumps be mounted on feller bunchers and delimiters and must be kept filled, and in operable condition
- ✧ It is recommended that scarification machinery have a minimum 20 gallon water tank filled and operable
- ✧ Ensure all hydraulic hose leaks are repaired immediately and before the machine is used
- ✧ Ensure all short circuits and other electrical problems are repaired immediately

FIRE PREVENTION

GENERAL

STANDARD OPERATING PROCEDURES

- ✧ No person shall smoke while walking or working in or near a forest
- ✧ Smoking while refueling equipment is strictly prohibited
- ✧ Anyone wishing to smoke, must remain seated until the smoking material is fully extinguished on rock or mineral soil
- ✧ Fuels are not to be stored or transported in lunch shacks
- ✧ Open lunch fires are not permitted during fire season (April 1 to October 31)
- ✧ In the case of an equipment fire, shut down the machine, radio for help, then attempt to suppress the fire, wait for instructions
- ✧ Ensure every employee is aware of the location of fire suppression equipment – both on the job site and in / on equipment
- ✧ All staff must be aware of the fire procedures and follow them in case of fire
- ✧ **Fire Preparedness Inspections** will be conducted by the SFL during at the start of operations and during periods of high fire hazards as outlined in the Fire Plan
- ✧ Ensure at least the minimum amount of fire suppression equipment is present at the appropriate location and in good working order
- ✧ All workers will be informed of the current daily fire hazard for each day during the fire season

FIRE PREVENTION

GENERAL

GOOD MANAGEMENT PRACTICES

- ✧ When lunch fires are used outside of fire season, they must be located in an appropriate spot (preferably a fire pit or fire container such as a drum) and fully extinguished before abandoning
- ✧ Protect any personal and company property or equipment from the fire danger when possible
- ✧ All fire suppression equipment must be checked every shift during high hazard periods
- ✧ All fire suppression equipment must be inspected annually outside of fire season and repaired if necessary
- ✧ Have an on site Internal (i.e. CB's / two way radios) and external (i.e. cell phone, satellite phone) communications system and use accordingly
- ✧ Keep a minimum of 25% of on site staff trained in fire suppression (level SP-102)
- ✧ During the fire season, patrol the work area after operations have ceased at the end of each day

FIRE PREVENTION

WELDING / CUTTING / GRINDING

STANDARD OPERATING PROCEDURES

- ✧ Welding / cutting / grinding is to be done no closer than 3 m (10 feet) from a forested area unless on or over mineral soil
- ✧ Welding / cutting / grinding is to be done no closer than 8 m (25 feet) from a fueling area or fuel storage area
- ✧ No welding / cutting / grinding is to take place unless there are an adequate number of fire extinguishers readily available
- ✧ Welding blankets are to be used if there is a risk of hot embers falling onto combustible
- ✧ No outdoor welding is to occur during “high” fire danger periods
- ✧ A fire watch must be maintained during welding and for 15 minutes after welding is complete
- ✧ Propane, oxygen and acetylene cylinders must be stored well away from any flame or other ignition source
- ✧ When transporting propane, oxygen, acetylene cylinders, they must be secured in an upright position with all necessary safety caps secure
- ✧ A filled operable pack pump must be available and on sight and within 5 m of any welding, oxygen – acetylene torch cutting or grinding activity during the fire season

FIRE PREVENTION

WELDING / CUTTING / GRINDING

GOOD MANAGEMENT PRACTICES

- ✧ Welding blankets will be used whenever possible
- ✧ All welders, cutters and grinders must check their equipment and fire suppression equipment daily
- ✧ Wet down the area before starting to weld
- ✧ Any excess fuel spills, combustibles or flammable liquids should be cleaned up before welding, cutting or grinding
- ✧ Ensure all other equipment is parked well away from any welding, cutting or grinding activity and all equipment fuel caps are on securely
- ✧ Whenever possible, conduct all welding on areas with exposed mineral soil

FIRE PREVENTION

POWER SAWS

STANDARD OPERATING PROCEDURES

- ✧ All power saws must have operable mufflers with adequate spark arresting devices
- ✧ Spark arresters or mufflers are not to be altered or modified in any way
- ✧ Hot power saws must not be placed on flammable material
- ✧ All power saw operators must have an approved operable 225 grams (1 lb). dry chemical fire extinguisher readily available at all times
- ✧ When starting a power saw, the operator must not be closer than 3 m from the refueling station / place
- ✧ Power saws must be cleaned of flammable debris on a daily basis or more often if necessary
- ✧ The cleaned flammable debris must be disposed of in a safe manner

FIRE PREVENTION

POWER SAWS

GOOD MANAGEMENT PRACTICES

- ◇ Allow all power saws time to cool before refueling

FIRE PREVENTION

WOOD STOVES

STANDARD OPERATING PROCEDURES

- ✧ All wood stoves must be equipped with a spark arrester
- ✧ Spark arresters are not to be altered or modified in any way
- ✧ All wood stoves must be positioned on bare rock, mineral soil or other non-combustible material extending two metres in all directions from the stove or furnace.
- ✧ Wood fires are not to be lit using rubber tires or other toxic substances
- ✧ All wood stove fires must be extinguished prior to abandonment
- ✧ All stove pipes must be secured with non flammable material (i.e. metal screws)
- ✧ Do not use gas, oil or any liquid fuels for starting wood stove fires

FIRE PREVENTION

WOOD STOVES

GOOD MANAGEMENT PRACTICES

- ✧ All wood stoves must have an approved extinguisher near by
- ✧ Any building or shack containing a wood stove is not to be moved until fire is extinguished
- ✧ During high fire danger periods, wood stove fires are not recommended in lunch shacks

FIRE DETECTION / REPORTING

All fires when detected must be reported immediately to M.N.R.F. Report all fires by calling 310-FIRE. The following information will be included in the report of a fire.

REPORT OF FOREST FIRE

Date _____ Time _____

- 1) Location of fire (lake, road, etc., distance, direction) _____

- 2) Access to fire (how do we get there?) _____

- 3) What is the fire burning?
building _____ forest _____ grass _____ cutover _____ other _____
- 4) What is the fire size? _____
- 5) Is there a threat to human life? _____
- 6) Are there any values threatened? _____
buildings _____ equipment _____
- 7) Is there any water in the area? _____
lake _____ river _____ distance _____
- 8) Is anyone presently trying to put fire out? _____
- 9) Do you know how and when the fire started? _____
- 10) Other _____
- 11) Person reporting fire _____

Contact Phone # _____
Person taking report _____
Passed on to _____
Time _____

Occurrence # _____ *Fire #* _____
Basemap _____ *Block* _____

FIELD GUIDE TO THE MODIFYING INDUSTRIAL OPERATIONS PROTOCOL

- 1. Minimum Fire Suppression Equipment needed**
 - Use Table 1: Suppression Equipment
- 2. Determine Operational Risk**
 - Use Table 2: Operational Risk
- 3. Leaf On/Leaf Off condition?**
 - Local MNR Fire Management Supervisor
- 4. Determine fuel group (1- 5) on the worksite**
 - Use Fuel Group Decision Keys
 - Determine initial fuel group & account for modifier (+1/-1)
 - Determine final fuel group
- 5. Obtain the fire intensity code:**
 - Using the closest weather station
 - Based on the worksite Fuel Group
 - Reported each afternoon for the next day
- 6. Determine work modifications, for the next day:**
 - Use Table 5: Operational Modifications
- 7. Modify operations the next day as necessary**

TABLE 2 - OPERATIONAL RISK TABLE

Operation		Exposed bedrock OR = to or >15% Surface Stoniness	
		Surface stoniness < 15%	
Road Construction	Stripping with bulldozer	M	VH
	Blasting without mats	M	H
	Blasting with mats	L	L
	Building, spreading and shaping sub-grade with back hoe/excavator	L	M
	Graveling/grading roads	L	L
	Dozer flattening sub grade (mineral soil)	L	L
	Stream work	L	L
Harvesting	Tracked equipment such as feller-bunchers, or machines with rotary cutting heads	H	VH
	Vehicles with tire chains	H	VH
	Mechanized equipment with rubber tires (no chains) i.e., forwarders, skidders Power saw or Chainsaw	L	M
Processing	Delimiting, slashing, portable sawmills	M	M
	Portable chipping	L	L
	Loading wood or gravel and hauling Power saw or Chainsaw	L	M
		L	M
Silviculture	Mechanized site preparation	H	VH
	Mechanized tending with chains flails and mowers; hydro-axe; slash piling	H	VH
	Brush saw/chainsaw thinning	L	M
	Tree planting, manual brushing (cleaning)	L	L
Other	Hot work: welding, torch cutting and grinding	H	H
	All-terrain vehicles wheels or tracked	L	M
	Other non-mechanical forest operations (i.e., timber cruising, regeneration surveys)	L	L

L=Low M=Moderate H=High VH=Very High

Note: Any Operation working exclusively on mineral soil, clay, gravel, (e.g. roads/landings where there is no continuous fuel component) is classified as Low Risk

MODIFICATIONS start at 00:01hrs (local time).

P = Prevention

Normal Operations, ensuring compliance to the company fire preparedness & prevention plan.

SS = Short Shift:

No operations between 12:00 and 19:00.

RS = Restricted Shift:

No operations between 08:00 and 22:00.

SD = Shutdown:

No operations starting at 06:00 on the first day of shutdown. Operations suspended until P, SS, or RS.

All times are in local daylight savings time. When restrictions are in place, a one hour dedicated patrol is needed after operations cease. Prevention measures always apply.

North Bay Fire Management Headquarters Contact Information 2019

James Zacher - Fire Management Supervisor 705-475-5536

Steve Toman - Fire Operations Supervisor 705-475-5556

Tim Dempsey - Fire Management Technician 705-475-5608

Adjala Hamilton - Fire Management Technician 705-475-5557

Vacant – Fire Operations Technician 705-475-5608

Fire Management Clerk - 705-475-5551

Assistant Fire Management Clerks/Radio Operators - 705-475-5553

FIRE REPORTING

310-FIRE (3473) Northeast Region Duty Officer

North Bay / Sudbury – Sector Response Officer 705-564-6056

North Bay – Sector Response Officer Agent 705-475-5608

General Fire Information

North Bay 705-475-5551 or 705-475-5608
Fax 705-475-5559

Forest User Information Line

North Bay - 705-475-5609 or 1-866-619-5079

Website: <https://www.ontario.ca/environment-and-energy/fire-intensity-codes>

ATTACHMENT 5

ANNUAL COMPLIANCE PLAN

FOR THE

NIPISSING FOREST

April 1, 2022 to March 31, 2023

NIPISSING FOREST RESOURCE MANAGEMENT INC.

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Other Supporting Documents

- 1) 2022-2023 AWS for the Nipissing Forest
 - Attachment 3 2022-2023 Fire Plan for the Nipissing Forest
 - Attachment 4 Aerial Herbicide Application (submitted separately)
 - Attachment 6 Prescribed Burn Plan (submitted separately)
- 2) A report titled “High Conservation Value Forests on the Nipissing Forest” (copy available at NFRM’s office in Callander).

Annual Compliance Schedule of Action

1.0 Introduction

The purpose of this Annual Compliance plan is to:

- a) Identify and outline how priorities identified in the Ten Year Compliance Strategy will be delivered,
- b) Reflect on and address current needs and situations, and
- c) Identify reporting procedures and how information collected will be managed.

The Ten Year Plan identifies the principles, goals, objectives, strategies, actions, and roles & responsibilities related to forest compliance on the Nipissing Forest. This “Annual Compliance Schedule of Action” has been prepared in accordance with the Forest Compliance Handbook.

2.0 Annual Compliance Priorities

Operations scheduled for the one-year period, April 1, 2022 to March 31, 2023, are contained within the Annual Work Schedule (AWS) for the Nipissing Forest. All aspects of harvest, access, renewal & maintenance and protection are scheduled.

All areas where activities are planned contain values where Area of Concern prescriptions (AOCs) must be followed. Also numerous areas have a number of additional compliance requirements associated with harvesting and road construction (please refer to Appendix 2 of this Compliance Plan). As part of NFRM’s FSC requirements to monitor “High Conservation Value Forests”, NFRM will also pay special attention to ensuring critical wildlife habitat such as stick nests are protected and recorded in the inspection reports prepared.

The AWS provides an outline of where harvesting operations are planned by Licensee. The associated harvest maps can be found in digital format in Attachment 1 of the AWS.

All renewal and maintenance operations are conducted as “forest wide” operations. A variety of silvicultural contractors are used to complete these projects. All silvicultural projects are administrated by NFRM. Additional areas requiring protection (over and above those identified in the FMP) have been prescribed for the aerial spray program in accordance with the Ministry of Environment requirements. Digital maps of planned silvicultural operations can be found in Attachment 2 of the AWS in several scales.

Initial compliance priorities will focus efforts on forest operations activities that have produced compliance issues in the past and ones that are possible to continue in the future.

2.1 Summary of 2022-2023 Compliance Plan

At the time of preparing this AWS, the following strategies from the 2021-2022 Compliance Plan were working well and are contributing to improving forest management activities on the Nipissing Forest:

- Promoting self-compliance by the Licensees to the Conditions of Approval of the AWS and the Conditions on Regular Operations (now found in section 6.1.11 of the 2019-2029 FMP), and the conditions of the AOC prescriptions listed in FMP 11.
- Review and sign-off on Block Start Up Check Lists with Licensees
- Discussions with Ministry of Northern Development, Mines, Natural Resources, and Forestry (NDMNRNF) staff to review compliance issues and priorities.

While no major problems have arisen that would have an impact on the sustainability of the forest, minor problems have continued with respect to; minor oil spills and utilization such as wood being left on winter roads. NFRM will continue to work with the NDMNRNF and all Overlapping Licensees to reduce the instances of non-compliance with respect to these issues and concerns.

Appendix #2 in this Annual Compliance Plan identifies Compliance Priorities and Issues that were identified during the preparation of the 2019-2029 Forest Management Plan. It is important that each Licensee be familiar with and addresses these issues/concerns. Industry Compliance Inspectors will check that these priorities are being addressed and will document their findings.

Compliance priorities for this year will focus on the implementation of the 2019-2029 Forest Management Plan, the Goals identified in the Ten Year Compliance Strategy and any changes in NDMNRNF Policies/Guidelines/Requirements. These priorities include:

Forest Operation Prescriptions

NFRM will be continuing to utilize our Forest Operations Prescription (FOP) program. Prescriptions developed by NFRM include such items as the harvest method, silvicultural ground rules for the stands in the Block, a listing of AOC's within the Block and a summary of Block issues.

Communications with other stakeholders

The 2019 FMP identifies numerous instances when other stakeholders need to be contacted and in some instances included in developing the forest operational prescriptions for the area. Other stakeholders that need to be contacted include: adjacent landowners, local trappers, Resource Stewardship Agreement (RSA) holders, First Nations and some instances local Cottage Associations.

1
2 **3.0 Inspection and Reporting**
3

4 All compliance operation inspection reports will be prepared and submitted using the
5 NDMNRF's FOIP website. NDMNRF Staff will be notified when a report has been
6 approved by NFRM and NDMNRF will also notify NFRM of the reports that they
7 approve. Inspections and reports will be prepared by certified Inspectors and approved
8 by SFL Staff identified in this plan.
9

10 All completed and compliant harvest, access, renewal & maintenance reports should be
11 prepared and submitted to the NDMNRF within 20 working days. All completed and
12 compliant access reports should be prepared and submitted to the NDMNRF within 10
13 working days of the installation of a water crossing.
14

15 ***As per the Web-Based Compliance Handbook – The Industry and the NDMNRF***
16 ***must provide written (e.g. email) notification to the other party within 5 working***
17 ***days of the discovery of an Operational Issue.***
18

19 In all cases where there is an instance of a significant “Operational Issue” the NDMNRF
20 (preferably the Resource Management Supervisor), will be notified verbally or in writing
21 within 24 hours and a FOIP report prepared and submitted within 5 working days.
22

23 Certified Inspectors from NFRM staff include Ric Hansel, Daryl Sebesta and Andy
24 Straughan. Some compliance reports will also be prepared by certified inspectors
25 operating on NFRM's behalf such as Roger Langlois.
26

27 SFL Staff who are allowed to approve FOIP Reports include Mark Lockhart, Ric Hansel
28 and Daryl Sebesta. Ric and Daryl can only approve reports (other than their own), if
29 Mark is unavailable.
30

31 The NDMNRF will be notified in writing five (5) working days before any harvesting,
32 access and renewal & maintenance and protection activity commences, using the
33 **“Notification of Forest Operational Activities”** form. The NDMNRF will also be
34 notified immediately (verbally) of any delays in scheduled start or completion dates for
35 all forest activities. These notifications are not applicable to the commencement of tree
36 marking, but NDMNRF will be informed when areas have been marked (non-clear cut
37 silv systems) and will be provided a 5 working day opportunity (unless waived by the
38 NDMNRF) to audit the marking before harvesting commences. Tree marking
39 notifications will also include a map of the area marked. Notifications are also not
40 applicable to regular road maintenance.
41

42 **3.1 Compliance Inspections will be conducted as follows:**
43

44 **For harvesting activities**, the number of inspections will vary with the size of the block,
45 the sensitivity of the area, the difficulty associated with ground & stand conditions, and

1 the compliance history of the operator. Please note that if operations are late in starting
2 up or finish early the number of inspections will be less.

3
4 A fire preparedness inspection will be conducted on 25% operations during the fire
5 season. A certified Industry Compliance Inspector using a standard FOIP report will
6 report operational issues to the requirements identified in the Fire Plan.

7
8 The Licensee/Contractor will be responsible to supervise all harvesting and access
9 operations on a daily basis. The Industry Compliance Inspector is responsible to
10 ensure all Licensees have access to or receive a copy of all the FOIP reports prepared
11 for their operation(s).

12
13 **For access activities** such as Primary and Branch road construction, each primary,
14 branch road will be inspected and reported on. Please note that inspections will not be
15 carried out on regular maintenance activities such as grading, gravelling, snow
16 ploughing etc.

17
18 **For Water Crossing Installations** all water crossing installations will be inspected
19 upon completion. All water crossings will be reported on the Access FOIP report. Each
20 water crossing will be reported in FOIP to the NDMNRF within 10 working days of the
21 completion of the installation. NDMNRF will be notified via email that the approved
22 report is available for review. For crossing installations that result in damage and where
23 the potential impact is high, the SFL (or Licensee) will immediately stop the offending
24 action and contact the NDMNRF for further direction. For instances of a significant
25 Operational Issue, a verbal notification must be given within 24 hours of the occurrence,
26 followed by an approved FOIP within 5 working days of the occurrence.

27
28 Observations about operational road construction and maintenance (except for water
29 crossing installations) can be identified in the Harvest FOIP report for the Block.

30
31 **For all silvicultural and renewal activities** such as: tree planting, site preparation,
32 manual thinning and cleaning and aerial and ground sprays.

33
34 The silvicultural contractor completing the work carries out daily supervision of these
35 activities. NFRM Silvicultural Staff, monitor these operations with respect to their
36 compliance with the contract. Andy Straughan (NFRM's Certified Compliance
37 Inspector-Silviculture) will also conduct at least one FOIP report for each type of
38 silvicultural activity.

39
40 NFRM Silvicultural Staff will use the "Notification of Forest Operational Activities" form to
41 inform NDMNRF of start-up and completion of silvicultural projects. Where projects
42 entail a number of sequential operation locations, NFRM Silvicultural Staff will include or
43 attach a list of the planned sequential locations with approximate start dates on the
44 original start up notification.

45
46 A Fire Preparedness Inspection on the silvicultural projects in each activity will be

1 conducted by NFRM's Silvicultural Staff in accordance with the Fire Plan during the fire
2 season. Again, instances of an operational issue will be inspected and reported on by
3 NFRM's Compliance Inspectors.

4
5 For tree marking activities, standard NDMNRF "tree marking quality assessments" will
6 be conducted on a random sample of the areas marked by SFL staff or by the tree
7 marking contractor. Areas where the quality of marking is 90% or less will require the
8 tree marking contractor to return to the area and make the necessary corrections so that
9 the quality standards are met.

10
11 NDMNRF will not be notified in advance of the marking, but will be notified using the
12 "Notification of Forest Operational Activities" form (with a map attached), when an area
13 has been marked and given a period of five working days (This waiting period can be
14 waived by the NDMNRF compliance inspector at the request of the SFL), to audit tree
15 marked areas, if they choose to do so. This opportunity does not apply for clear-cut
16 silviculture systems. In these instances, the NDMNRF is free to monitor/inspect/audit
17 these areas when they wish. NDMNRF will also be notified of any newly discovered
18 values or of non-existent values using the "Nipissing Forest Values/AOC Updating and
19 Approvals" form when the Notification of Forest Operational Activities form identifying
20 marking is sent to NDMNRF.

21
22 The nature of silviculture contractors and their availability make it difficult to schedule
23 inspections. As stated above, NFRM's silviculture inspector will formally inspect one
24 area per activity. NFRM Operations staff will formally inspect harvest and access
25 operations in accordance with the Forest Compliance Handbook. It will also be
26 important to consult with the District NDMNRF on a regular basis when scheduling
27 inspections.

28
29 A list of contact names and phone numbers for each Licensee and silvicultural
30 contractors (those known at this time) can be found in the Fire Plan (Attachment 3) of
31 the AWS.

32
33 **For all activities the inspection reports will:**

- 34
35
- 36 • Identify the Forest, Inspector, Licensee, approval number and the location of the
37 area inspected, report date, inspection type and method,
 - 38 • Identify operational issues using the FOIP program,
 - 39 • Provide a description of desirable and undesirable site conditions,
 - 40 • Identify potential corrective actions required to mitigate operational issues and or
41 the steps that will be taken to prevent future occurrences.

42 Inspections on the block will verify that previously identified concerns have been
43 addressed. Inspection reports will identify who will be responsible for addressing any
44 concerns that might be noted, how & when the concern will be addressed, and how the
45 NDMNRF will be notified.

1
2 The CFSA and associated manuals (such as the Scaling Manual), the FMP, and all
3 other conditions of approval will be used to identify operational issues when inspections
4 are being conducted. The NDMNRF will then verify the operational issues and
5 determine whether or not the issue is correctable.
6

7 Appendix 1, of this compliance plan, provides a list of items that may be checked by
8 compliance inspectors when conducting inspections. Items on the list reflects those
9 activities with a high potential to impact on forest sustainability and/or where there has
10 been past compliance problems.
11

12 If at any time a new value is discovered (such as a hawks nest) during active
13 operations, the appropriate protection will be provided and the NDMNRF will be notified
14 using the “Nipissing Forest Values/AOC Updating and Approval Form” by NFRM.
15 Usually these new values are discovered while an area is being marked. Tree markers
16 have been instructed on what reserve widths are required for the various values. If the
17 tree markers or NFRM is not sure what level of protection is required, the NDMNRF will
18 be contacted.
19

20 4.0 Remedial Action

21

22 Whenever an operational issue is identified corrective measures shall be implemented
23 (as determined by the NDMNRF). Under some circumstances corrective actions can be
24 taken by the Licensee immediately for cases such as:
25

- 26 a) Halting operations where excessive rutting is occurring,
- 27 b) Halting operations where excessive logging damage is occurring,
- 28 c) Picking up merchantable material left behind,
- 29 d) Stopping fuel from leaking from a storage tank, and
- 30 e) Using a spill kit to prevent fuel and other chemicals from entering a water
31 body.
32

33 If a spill occurs it is the responsibility of the person that finds or discovers the spill to
34 report it to the Ministry of the Environment – Spills Action Hotline at 1-800-268-6060. All
35 spills and reports must be documented in the FOIP report for the activity. Any spill that
36 has the potential to reach water or is in the water must be reported to MOE regardless
37 of the size of the spill, if in doubt report the spill to MOE. All spills (including smaller
38 spills that do not need to be reported), still have to be cleaned up by the Licensee.
39

40 The Overlapping Licensee is responsible for implementing remedial measures for all
41 harvesting and access activities in their areas. NFRM is responsible for implementing
42 remedial measures for all renewal & maintenance and protection activities.
43

44 Where the potential impact to the resource is high, the NDMNRF and/or other agencies
45 will be required to evaluate and determine remedial solutions.

1
2 With regards to mitigation measures, the authority to stop operations rests with:
3

- 4 • NDMNRF
- 5 • Overlapping Licensee (for harvesting and access activities)
- 6 • NFRM Staff (for renewal & maintenance and protection activities)

7 Actions to prevent occurrence of non-compliance will vary considerably depending on
8 the situation. In situations where the contractor and/or employee has ignored
9 instructions from the Licensee, the Licensee may choose to let that contractor or
10 employee go. In other cases, the incident of non-compliance may indicate further
11 employee training is required.

12
13 In all cases of non-compliance, a plan of action will be developed between the SFL and
14 the Licensees to prevent re-occurrence and documented on the inspection report
15 provided to the NDMNRF.

16 17 5.0 Compliance Plan Approval-Review-Amendment-Evaluation

18
19 This Compliance plan has been prepared by NFRM as part of the FMP, Supplementary
20 Documentation 6.1.19. The annual report of Compliance Inspections will also serve as
21 a basis for evaluating the effectiveness of the compliance program and will provide
22 direction for subsequent annual compliance plan.

Appendix #1 Compliance Check List

All Operations

Fire Preparedness Inspections will be carried out after start-up of 25% of operations during the fire season to ensure that all required fire equipment is on site and operational. Operational Issues identified from these inspections will be reported on FOIP reports.

Ongoing and Complete inspections will be carried out as follows:

Harvesting Operations

- On-going Inspections
 - a) Cutting unauthorized species and or harvesting not consistent with silvicultural prescription.
 - b) Trespass outside approved area.
 - c) Unnecessary logging damage to residual stand.
 - d) Unnecessary site damage (rutting).
 - e) Wasteful practices - high stumps, leaving merchantable timber standing or cut, leaving lodged trees, long butting, poor slashing practices at landing
 - f) Debris left in water or water course
 - g) Record any undesirable conditions that are observed in areas of operations (blowdown, forest fires and/or insect damage)
 - h) Spot checks on bills of lading and authorization to haul if haul is in the area
 - i) Other - area free of garbage, used oil and lubricants properly disposed of
 - j) Fire prevention measures in place and guidelines being adhered to
 - k) Existing culverts and bridges functioning properly

- Complete Inspections
 - a) Same as for on-going inspections,
 - b) Gravel pits sloped and ready for rehabilitation, volumes utilized documented,
 - c) All previous instances of non-compliance have been rectified to the degree indicated by the NDMNRF, any required remedial action(s) completed as per the NDMNRF.
 - d) Other

Access and Water crossings for Primary, Branch and Operational Roads

Please note that all inspections for these classes of roads are reported in Access FOIP Reports

- Ongoing Inspections
 - a) Road right-of-way widths correct, especially at AOC's.
 - b) No trespass outside approved area or road corridor.
 - c) No unnecessary damage to trees along right-of-way.
 - d) No grubbing within 30 meters of water crossing.

- e) Push-outs well planned.
 - f) No debris left in water or water course.
 - g) Culverts and bridges installed correctly and functioning properly (required size, and approved materials).
 - h) Ditches and cross-drainage culverts used appropriately.
 - i) Ditch-water diverted away from directly entering streams and rivers.
 - j) Area free of construction material and garbage, and used oil and lubricants properly disposed of.
 - k) Aggregate use documented and reported as required.
 - l) Fire prevention measures in place and guidelines being adhered to.
- Complete Inspections
 - a) Same as for on-going inspections
 - b) Gravel pits sloped and ready for rehabilitation.
 - c) Areas near water or prone to erosion rehabilitated.
 - d) All previous instances of non-compliance have been rectified to the degree indicated by the NDMNRF, any required remedial action(s) completed as per the NDMNRF.

Renewal Activities - Tree planting, site-preparation, manual tending and manual thinning operations

- On-going Inspections
 - a) Work completed within approved area
 - b) Site-preparation is conducted in such a manner to avoid further potential erosion problems.
 - c) Site-preparation is avoiding low-lying areas where water is close to the surface.
 - d) Damage to residual stand is minimized.
 - e) Manual thinning and tending operations removing required competition.
 - f) Fire prevention measures in place and guidelines being adhered to.
 - g) Other - area free of garbage, used oil and lubricants properly disposed of.
 - h) Existing culverts and bridges functioning properly
- Complete Inspections
 - a) Same as for on-going inspections,
 - b) All previous instances of non-compliance have been rectified to the degree indicated by the NDMNRF, any required remedial action(s) completed as per the NDMNRF.
 - c) Final mapping of project area correct, required audits of work quality completed, # of trees and species correctly recorded and mapped.

Renewal Activities - Prescribed Burning and Aerial or Ground Spraying

- On-going Inspections

- a) Licenced/Qualified personnel on site.
 - b) Work completed within approved area.
 - c) Conditions and procedures identified in the plans being followed.
 - d) Fire prevention measures in place and guidelines being adhered to.
 - e) Other - area free of garbage, used oil and lubricants properly disposed of, chemicals safely stored.
 - f) Existing culverts and bridges functioning properly
- Complete Inspections
 - a) Same as for on-going inspections,
 - b) All previous instances of non-compliance have been rectified to the degree indicated by the NDMNRF, any required remedial action(s) completed as per the NDMNRF.
 - c) Final mapping of project area correct, required information recorded in the correct format.

Appendix #2 Compliance Inspection Priorities

2019 - 2029 Operating Block Interests

In addition to ensuring that all Area of Concern prescriptions are in place and being followed, a list of interests associated with each of the Blocks indicate the compliance inspection priorities for each of the Blocks allocated in this AWS (FMP Supplemental Documentation 6.1.19, Appendix 1). Compliance Inspectors are to ensure that operations have acted upon these interests and concerns and the actions taken documented in their FOIP reports.

Crown Land Use Policy names have been added to each Block, please refer to the Crown Land Use Policy Atlas for a more detailed description of the any land-use direction that may affect operations.

Please refer to Appendix 1 of the FMP Supplemental Documentation 6.1.19 for a complete list of Compliance Priorities and Interests Associated with Planned Harvest Blocks.