

Low Complexity Prescribed Burn Plan for Slash Pile Burning

Company Name: Dryden Forest Management Company

Location: District: Dryden

Forest Management Unit: Dryden Forest

Gross Area: 1,427 ha

Net Area in Hectares: 35.7

Year: 2023

Plan prepared by:

Karen Bayduza

Date:

August 10th, 2023

DISCLAIMER

This slash pile burn plan follows the process laid out in the Ontario Ministry of Natural Resources and Forestry (OMNRF) Prescribed Burn Planning Manual. The PB plan is developed for prescribed fire operational requirements and is not intended to meet other planning requirements. Prescribed burn operations will follow established Ministry of Natural Resources and Forestry (MNRF) guidelines and standards to ensure that all prescribed burns are conducted in a safe and effective manner

HOW TO USE THIS TEMPLATE

Instructions for Viewing and Hiding Comments in the Low Complexity Prescribed Burning Templates follow these steps below.

In Microsoft Word select View – Toolbars – Reviewing.

The Show button will appear on the tool bar. Click on Show – Balloons – Never. This hides the comments so they will not appear when printing.

The opposite method can be completed to show comments; View – Toolbars – Reviewing. The Show button will appear on the tool bar. Click on Show – Balloons – Always. This displays the inserted comments to assist with filling out the form.

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1.0 Introduction

This slash pile burn plan follows the process laid out in the Ontario Ministry of Natural Resources and Forestry (OMNRF) Prescribed Burn Manual. Prescribed burn operations will follow established Ministry of Natural Resources and Forestry (MNRF) guidelines and standards to ensure that all prescribed burns are conducted in a safe and effective manner.

Slash pile reduction programs have been developed to reduce the area covered in slash piles as a result of full tree logging operations, while increasing the area available for regeneration and reducing the fire hazard. A prescribed burn plan is required for burning if the area to be treated is over 2 hectares (ha) in size, the burn is to last more than one day, or its complexity poses a risk to adjacent values. Slash pile burning is a silvicultural operation under the Forest Management Planning (FMP) process and will be included in the Annual Work Schedule (AWS). This plan **must** be approved 30 days prior to ignition to allow time for implementation of the communications portion of this plan. Burning generally occurs in the fall when the risk of fire spread is reduced.

The plan will evaluate the varying fuel types, burning conditions, adjacent values, safety, resource requirements, weather and communications. The Sustainable Forest License Holder (SFLH) will ensure that the burn plan has received approvals from the appropriate levels of Company and MNRF signing authority. The local Fire Management Supervisor (FMS), prior to ignition, can approve minor revisions to the plan if it does not affect safety, control or objectives. Major changes that affect the safety, control and objectives must be approved through the formal approval process. Dryden Forest Management Company (DFMC) must also ensure all burning permits have been issued and are current. In addition to the MNRF permit, issued under Regulation 207 of the Forest Fires Prevention Act (FFPA), organized townships and municipalities have their own burning conditions and permits which must be obtained and adhered to.

It is not the intent of this prescribed burn plan to allow fire to spread across the cutover. A more complex burn plan following the Prescribed Burn Manual would be required.

2.0 Objectives

The objectives of the operation are to reduce the amount of productive land lost to unmanaged slash pile accumulation and reduce the fire hazard resulting from full tree logging in a safe and efficient manner.

The Dryden Forest Management Company's primary objectives for slash pile burning are to reduce the amount of slash pile accumulations, in order to recover productive forest land for regeneration and to reduce increased fuel loading. It is the intent of this burn to reduce or eliminate the negative aesthetic impact that slash pile accumulations may have.

3.0 Timing of the Burn

The preferred time to conduct burning is fall when the risk of fire spreading into the adjacent cutovers is minimal. Slash pile ignition will not occur until October 10, 2023. All ignitions will cease prior to February 15, 2024 and piles will be declared out by March 15, 2024.

3.1 Desired Results

All adjacent values will be protected and mitigation measures identified.

The optimum result of this burning operation will be complete removal of all slash pile accumulations. It is recognized that all piles may not burn 100% because of the variation of fuel types (poplar) and moisture conditions within the piles as well as factors which may hinder the safe ignition of some piles. Acceptable results of the burning operations will be the removal of at least 70% - 80% of fine fuels and 60% of the coarse fuels over 80% of the slash piles.

3.2 Treatable Area

The treatable area is typically limited to the slash piles and any area within 30 meters (m). Any fire spread more than 30 meters from the pile will be treated as an indicator of problematic control, and reported to the MNRF. Actions will be taken to ensure the burn remains in a controlled state. Actions can include halting ignition, increasing monitoring, initiating suppression action (where required).

4.0 Intelligence

4.1 Detailed Fuel Description

This plan is designed to reduce/remove softwood and hardwood slash piles. To conduct a successful slash pile burn program the piles are engineered (replied) prior to burning. This is primarily done with wood loaders with clams and bulldozers with brush rakes. The process arranges the fine fuels (primarily conifer limbs and tops) and coarse fuels (primarily unmerchantable butts and rotten trees) into large individual aerated piles along the roadsides. The slash piling process contributes greatly to controlled burning enabling burning under lower indicies with a greater degree of success.

Chipper debris piles are not included as they have the potential to smoulder for extended periods and are difficult to suppress.

4.2 Fire Intelligence/Values Information

Known values within a 5 kilometre (km) range of the slash pile burn areas are identified on the attached map(s)
Appendix F. Values that may be impacted within 2 kilometres (km) of the burning operation will be identified on the chart below, with the appropriate mitigation measures identified.

Adjacent Values	Base Map/ Block	Proximity of Values	Adjacent Topography and Fuel Types	Fire Break Present	Escape/Impact Potential	Access	Mitigation Measures
<ul style="list-style-type: none"> Private land Cottages/ residences Hwy #594 Waste Disposal Site Boat Launch 	Block 11.181 Located off Hwy #594 OBM 48551	<ul style="list-style-type: none"> Private land adjacent in all directions Cottage on Ardis Lk (0.4 km) Cottages/ residences on Eagle Lk 1.3 km south Waste disposal site 0.7 km west Boat launch on Eagle Lk 	<ul style="list-style-type: none"> Conifer and mixed hardwood stands 	<ul style="list-style-type: none"> A small river to the south Ardis Lake to the northeast 	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> Good (vehicle) 	<ul style="list-style-type: none"> Ignite piles when wind is moderate from the south, direct smoke away from Hwy #594, and residences
<ul style="list-style-type: none"> Private land Cottages/ residences 	Block 21.043 Located off Redvers Rd OBM 47553/ 47554	<ul style="list-style-type: none"> Residences/ camps along Redvers Rd Private land to the south 	<ul style="list-style-type: none"> Conifer stands and mixed hardwood stands 	<ul style="list-style-type: none"> A river system along the west 	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> Good (vehicle) 	<ul style="list-style-type: none"> Ignite piles when wind is moderate from the south, direct smoke away from residences
<ul style="list-style-type: none"> Private land Cottages/ residences 	Block 21.049 Located off Hwy #609 OBM 46554	<ul style="list-style-type: none"> Private land adjacent to the west Hwy #17 to the north Railway 1.2 km north Residences, within 1km to the west 	<ul style="list-style-type: none"> Mixed hardwood stands, conifer stands 	<ul style="list-style-type: none"> Clay Lk to the north A small drainage system runs through the middle of the block 	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> Good (vehicle) 	<ul style="list-style-type: none"> Ignite piles when wind is moderate from the west, direct smoke away from Hwy #609, and residences

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Adjacent Values	Base Map/ Block	Proximity of Values	Adjacent Topography and Fuel Types	Fire Break Present	Escape/Impact Potential	Access	Mitigation Measures
<ul style="list-style-type: none"> Private land Cottages/ residences Wabigoon Forest SFL boundary 	Block 21.115 Located off Ladysmith Rd OBM 50554	<ul style="list-style-type: none"> Private land 3.5 km to the east Residences/ cabin along Amesdale Lk 	<ul style="list-style-type: none"> Mixed hardwood, conifer stands Recent cutover 	<ul style="list-style-type: none"> A river system runs along the east boundary Small lake to the north 	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> Good (vehicle) 	<ul style="list-style-type: none"> Ignite piles when wind is moderate
<ul style="list-style-type: none"> Private land Cottages/ residences Wabigoon Forest SFL boundary 	Block 21.124 Located off Amesdale Rd OBM 50554	<ul style="list-style-type: none"> Private land adjacent to the north, east, and west Residences/ cabin along Amesdale Lk, and within 5km in all directions Wabigoon Forest SFL boundary 2 km to the north 	<ul style="list-style-type: none"> Mixed conifer stands and hardwood stands 	<ul style="list-style-type: none"> A river system runs along the east and west boundary Small lakes and open muskeg adjacent to blk 	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> Good (vehicle) 	<ul style="list-style-type: none"> Ignite piles when wind is moderate
<ul style="list-style-type: none"> Cottages/ residences on Blueberry Lk and Wigwam Lk Wabigoon Forest SFL boundary 	Block 21.155 Located off the North Road OBM 51555	<ul style="list-style-type: none"> Cabins/ boat launches within 3km Wabigoon Forest SFL boundary to the 	<ul style="list-style-type: none"> Conifer and mixed hardwood stands 	<ul style="list-style-type: none"> A lake along the east boundary 	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> Good (vehicle) 	<ul style="list-style-type: none"> Ignite piles when wind is moderate
<ul style="list-style-type: none"> Private land Cottages/ residences Wabigoon Forest SFL boundary 	Block 21.169 Located off White Pine Road OBM 51553	<ul style="list-style-type: none"> Private land to the N, W, and south 	<ul style="list-style-type: none"> Mixed hardwood stands and low conifer stands 	<ul style="list-style-type: none"> A river system runs along the west boundary 	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> Good (vehicle)/ Hard (quad) 	<ul style="list-style-type: none"> Ignite piles when wind is moderate
<ul style="list-style-type: none"> Private land/ residences Wabigoon Forest SFL boundary 	Block 21.170 Located off White Pine Road OBM 51553	<ul style="list-style-type: none"> Private land, adjacent to the north and west 	<ul style="list-style-type: none"> Conifer and mixed hardwood stands 	<ul style="list-style-type: none"> Treed muskeg and a river system to the west and south 	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> Good (vehicle) 	<ul style="list-style-type: none"> Ignite piles when wind is moderate
<ul style="list-style-type: none"> Private land Cottages/ residences 	Block 21.186 Located off Hwy #601 OBM 51552	<ul style="list-style-type: none"> Private land/ residences adjacent in all directions 	<ul style="list-style-type: none"> Mixed hardwood stands, conifer stands Aggregate areas 	<ul style="list-style-type: none"> Small drainages on the north boundary 	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> Good (vehicle) 	<ul style="list-style-type: none"> Ignite piles when wind is moderate from the east, direct smoke away from homes on Marion Rd, and Hwy #601 Notify residents of Marion Trailer Park in advance of the slash pile burn

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Adjacent Values	Base Map/ Block	Proximity of Values	Adjacent Topography and Fuel Types	Fire Break Present	Escape/Impact Potential	Access	Mitigation Measures
<ul style="list-style-type: none"> Private land Cottages/ residences Railway Wabigoon Forest SFL boundary 	Block 21.242 Located off Hwy #603 OBM 55549	<ul style="list-style-type: none"> Private land/ residences adjacent to the east, west, and south Adiar Lk Conservation Reserve 1km to the N Railway adjacent to the N 	<ul style="list-style-type: none"> Mixed hardwood, conifer stands 	<ul style="list-style-type: none"> Alder, open muskeg, river systems runs through the middle of the blk 	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> Good (vehicle) 	<ul style="list-style-type: none"> Ignite piles when wind is moderate from the west, direct smoke away from residences around Borups Corner
<ul style="list-style-type: none"> Private land Cottages/ residences Hwy #603 Railway Hydro line, pipeline 	Block 21.243 Located off Hwy #603 OBM 55549	<ul style="list-style-type: none"> Residences/ private land along Hwy #603 Private land to the north, south, and west Hydro line/ pipeline through blk 	<ul style="list-style-type: none"> Conifer stands and mixed hardwood stands 	<ul style="list-style-type: none"> A river system runs along the east, and south of the blk 	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> Good (vehicle) 	<ul style="list-style-type: none"> Ignite piles when wind is moderate from the southwest, direct smoke away from residences around Borups Corner
<ul style="list-style-type: none"> Private land Cottages/ residences Hwy #603 Railway Hydro line, pipeline 	Block 21.244 Located off Hwy #603 OBM 54549/ 55549	<ul style="list-style-type: none"> Residences/ camps along Hwy #603 Private land adjacent to the north and east 	<ul style="list-style-type: none"> Conifer stands and mixed hardwood stands Treed, open muskeg 	<ul style="list-style-type: none"> A river system runs along the north, and south of the blk 	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> Good (vehicle) 	<ul style="list-style-type: none"> Ignite piles when wind is moderate from the southwest, direct smoke away from residences around Borups Corner and Hwy #17
<ul style="list-style-type: none"> Private land Railway Adiar Lk Conservation Reserve Residences 	Block 21.247-S Located off Bogg Lk Rd OBM 55549	<ul style="list-style-type: none"> Residences within 3km Private land to the south 	<ul style="list-style-type: none"> Conifer stands and mixed hardwood stands 	<ul style="list-style-type: none"> A river system along the west 	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> Good (vehicle) 	<ul style="list-style-type: none"> Ignite piles when wind is moderate from the south, direct smoke away from Hwy #17
<ul style="list-style-type: none"> Private land Cottages/ residences East Wabigoon Conservation Reserve 	Block 21.261 Located off Sandy Point Rd OBM 54548	<ul style="list-style-type: none"> Residences/ camps along Sandy Point Rd Private land to the east 	<ul style="list-style-type: none"> Conifer stands and mixed hardwood stands 	<ul style="list-style-type: none"> A river system along the east 	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> Hard (quad) 	<ul style="list-style-type: none"> Ignite piles when wind is moderate

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Adjacent Values	Base Map/ Block	Proximity of Values	Adjacent Topography and Fuel Types	Fire Break Present	Escape/Impact Potential	Access	Mitigation Measures
<ul style="list-style-type: none"> Private land Cottages/ residences East Wabigoon Conservation Reserve 	Block 21.262 Located off Sandy Point Rd OBM 54548	<ul style="list-style-type: none"> Residences/ camps along Sandy Point Rd Private land to the east 	<ul style="list-style-type: none"> Conifer and mixed hardwood stands 	<ul style="list-style-type: none"> A river system is present east of the block 	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> Hard (quad) 	<ul style="list-style-type: none"> Ignite piles when wind is moderate
<ul style="list-style-type: none"> Cottages/ residences Private land Wabigoon Forest SFL boundary 	Block 21.263 Located off Sandy Point Rd OBM 54548	<ul style="list-style-type: none"> Residences/ camps along Sandy Point Rd Private land in all directions 	<ul style="list-style-type: none"> Mixed conifer stands and lowland 	<ul style="list-style-type: none"> A river system runs along the west and east of the blk 	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> Hard (quad)/ Good (vehicle) 	<ul style="list-style-type: none"> Ignite piles when wind is moderate
<ul style="list-style-type: none"> Wabigoon Forest SFL boundary Private land East Wabigoon Conservation Reserve 	Block 21.264 Located off Sandy Point Rd OBM 54548	<ul style="list-style-type: none"> Private land adjacent to the west 	<ul style="list-style-type: none"> Conifer and mixed hardwood stands 	<ul style="list-style-type: none"> A river system runs along the east, and through the blk 	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> Hard (quad)/ Good (vehicle) 	<ul style="list-style-type: none"> Ignite piles when wind is moderate
<ul style="list-style-type: none"> Wabigoon Forest SFL boundary East Wabigoon Conservation Reserve 	Block 21.265 Located off Sandy Point Rd OBM 54548	<ul style="list-style-type: none"> Private land adjacent to the east, south 	<ul style="list-style-type: none"> Conifer and mixed hardwood stands 	<ul style="list-style-type: none"> A river system runs along the east boundary of the block 	<ul style="list-style-type: none"> Low 	<ul style="list-style-type: none"> Hard (quad) 	<ul style="list-style-type: none"> Ignite piles when wind is moderate

4.3 Fire Prescription

The burning will be conducted in the fall or over winter when the risk of fire escape is reduced. The range of indices and weather parameters for slash pile burning are as follows:

Fine Fuel Moisture Code (FFMC)	0 to 85
Build Up Index (BUI)	0 to 40
Wind Speed	0 to 20 km per hour (kph)

Onsite wind and moisture conditions will always be taken into account:

- if the actual wind speed exceeds 20 kph, in other than low risk conditions, ignition will cease pending discussion with the local Fire Management Headquarters (FMH).
- if the 3 day forecast winds exceed 20 km, ignition will also be re-evaluated pending discussions with the FMH.
- if suitable snow cover or wet conditions are present, then the wind restrictions may not be applicable, pending discussions with the FMH.

Wind direction and relative humidity will be closely monitored with on site equipment or the nearest weather station. Indices will be calculated using the 13:00 weather observations.

The **Slash Pile Burning Resource Chart** for ignition/monitoring of the burn has been developed and is attached as Appendix B.

The following Drought Code (DC) restrictions have been incorporated into the plan:

- > 241 Monitor the burning activity and ensure daily dialogue, or as agreed upon, with the local FMH.
- >300 Consider curtailing ignition pending discussions with local FMH. Monitor areas where piles are still active.
- >340 Ignition suspended. The Permittee may identify site specific areas in which they would like to continue burning. Burning will only be permitted if the local FMH and Fire Duty Officer (FDO) considers the operation to be safe.

Wind direction constraints may be required to minimize the impact of smoke on certain identified values.

Under very low to low conditions, some prescription parameters may be exceeded if agreed upon with the local FMH.



4.4 Fire Behaviour Prediction

Based on the slash being piled, the required indices and time of year, it is anticipated that the fire will remain within the treatable area. While burning, the piles should exhibit the following fire behaviour characteristics:

- flame lengths estimated to be between 5 and 10 m
- piles may exhibit open flame for 12 to 24 hours
- piles may smoulder for an extended period of time (e.g., a few weeks to a month)

Based on the listed indices, should the fire move outside of the piles, the following fire behaviour characteristics can be expected in the adjacent slash fuels:

Indices Range	Head Fire Rate of Spread (ROS)	Flame Height	Back Fire Rate of Spread (ROS)	Flame Height
Low	1 m/m	0.1 to 1 m	1 m/m	0.1 to 1 m
High	7 m/m	2 to 3 m	1 m/m	0.1 to 1 m

At the low end of the prescription, ignition will be slow. At the high end of the prescription, fuels will ignite easily. By burning when the FPMC is 80 or less, the ignition and spread potential are minimized although the fine fuels dry quickly. Any forecasted weather that would result in a FPMC greater than 85 will initiate actions to curtail ignition, consider aggressive monitoring and possibly suppression actions.

4.5 Fire Behaviour Observations

The following fire behaviour observations will be made by the Burn Boss on site and documented for inclusion in the post burn report.

- peak flame lengths and time of occurrence after ignition
- ease of ignition
- spotting distance
- spot fire ignition and spread rates
- smoke column development (height, direction and drift)
- slash pile consumption

4.6 Weather

It is important to monitor burning indices in the area where burning is taking place. Arrangements may be negotiated to utilize MNRF weather stations and the fire weather indices for that station. Other sources of weather information include the weather station on television and the Meteorological Service of Canada (MSC). Forecasted weather may also be taken from the Internet. Weather information will be collected from the burning contractor to ensure that the burning is done under prescription. If available, the MNRF weather station(s) Dyment (DYM), Vermilion Bay West (VBW), and Silver Waterwheel (SWW) will be used. Wind speeds onsite will be determined using a handheld anemometer or the Beaufort scale for estimating 10-m open wind speeds.

4.7 Personnel

The Burn Boss in charge of the operation will be __. He/she is qualified to the SP-300, RX 200, IC5 level (qualifications attached).



All personnel will be qualified and receive refresher training to maintain a minimum training level (SP-100, SP-102 or RX 100). They will receive training in ignition strategies and techniques as well as fireline suppression and safety. The total number of staff involved in the burn operation is five. Refer to Appendix C to see the list of key staff who may be involved in the burn operation. If the number of staff or the people in key positions change, the local FMH will be advised.

4.8 Maps



Maps are attached in Appendix G.

4.9 Post Burn Report

When the burning operation is completed, a post burn report will be completed as per requirements in Appendix F. The report will summarize, by date, the amount of slash piles burnt in hectares, whether the piles were engineered or not, degree of success, fire behaviour observations, any problematic control that occurred and recommendations. The agreed upon conversion from gross hectares harvested to net area burned in slash piles is 2.5%. Post burn reports will be submitted to the local MNRF FMH with written confirmation that the piles are out prior to March 15th.

4.10 Burn Communications

The crews conducting the burn are to be in constant radio or phone contact with the Burn Boss. The Burn Boss will have communications to the nearest MNRF FMH. In addition, the Burn Boss is to be readily available at all times for contact with the MNRF or DFMC official. The Burn Boss will have a satellite phone on site #(403) 799-6269. The 24 hour contact will be, cell phone #(807) 938-5198 (Scott Skene).

The Burn Boss/Company will notify and inform the MNRF of a burn each day or as agreed upon between the Sector Response Officer (SRO) and the Burn Boss, prior to ignition.

He/she will indicate the area to be burnt, local conditions and personnel available. The Burn Boss will relay this information to the SRO and keep him informed as to progress, control difficulties and changing burning conditions of each day's burn.

Any changes to the burning activities requires immediate notification to the FMH (i.e., changes to the burn location, personnel, etc.).

The SRO will advise the Burn Boss/Company as to any anticipated changes in the forecast burning conditions and, as the need arises, make revisions to the burn strategy that may include discontinuation of ignition.

The person in charge of the burn program will provide regular situation reports on the progress of the burn and changing burning conditions and fire behaviour to the company and will also forward these reports to the MNRF.

The Company/Burn Boss will inform the FMH immediately regarding any wildfires or problems resulting from the burn program. For **wildfire reporting only**, whenever possible call 310 – FIRE (3473) but when you can't, use the following phone numbers: 1-807-937-5261 (Northwest Region) and 1-705-564-0289 (Northeast Region). The following information must be conveyed.

- Location, size and fire behaviour.
- Assistance required.
- Suppression action taken.
- Resources onsite.
- Values present or threatened.
- Access (truck, air).

Following any burning problems, the Company, Burn Boss and FMH will reassess the situation and postpone or cancel the operation if necessary.

A current list of Company and MNRF contacts responsible for the area is attached to the plan. The Burn Boss particulars for each area will be forwarded to the FMH once determined.

The contact persons for the Company and MNRF Fire with phone numbers by area for the burn operation are:

Contact	Business	Phone/ Fax	After Hours
Steve Young	Dryden Forest Management Company	(807) 223-7216	(807) 220-5591 (cell#)
Karen Bayduza	Dryden Forest Management Company	(807) 223-7216	(807) 220-3696 (cell#)
Scott Skene	Moose Creek Reforestation	(807) 937-5806	
Travis Gamble	MNRF Fire (FMS)	(807) 937-7321	
Jaime Seeley	MNRF Fire (FOS)	(807) 937-7341 (807)937-7349 (fax#)	(807) 221-8360 (cell#)
Darcy Dayman	MNRF Fire (FOS)	(807) 937-7279	(807) 323-2850 (cell#)

5.0 Ignition

This section of the plan describes the ignition process for the burning operation. It includes the approval to ignite process, method of ignition, and discusses equipment and personnel. Ignition planning will use the fire behaviour predictions for the prescribed indices ranges to ensure overall safety and control of the burn.

5.1 Approval to Ignite

Daily or as agreed upon by the local FMH and prior to ignition, the Burn Boss/Company will notify the FMH of planned burn locations, at phone number (807) 937-7344. The MNRF has the right to cancel/postpone burn operations based on the local, regional or provincial fire situation. There will be no ignition if the FFMC is greater than 85.

Prior to ignition each day of the operation, on site staff will meet for a briefing from the Burn Boss to outline the plan for the day. The briefing will cover the area to be burnt, fire behaviour observations from previous burns, fire behaviour predictions for the day, the ignition and suppression tactics, equipment caches, escape routes, safety zones, communications procedures, etc.

5.2 Ignition Method

The Burn Boss will assess changing burning conditions and modify ignition/suppression activities accordingly. He/she will postpone or cancel operations as necessary.

Prior to ignition, effort should be made to check for denning bears, and if found do not ignite and contact Dryden Area MNRF.

The slash piles will be ignited using drip torches.

5.3 Personnel and Equipment

The Burn Boss will ensure that the required amount of equipment is on site as per the attached the Slash Pile Burning Resource Chart.

The ignition operation will consist of 1 crews; each made up of 4 people. They will be using drip torches and fusees to ignite the piles.

6.0 Suppression

6.1 Strategy and Tactics

The strategy for the suppression component is to limit the burn to the treatable area. Under favourable conditions, the burn may spread a very short distance out from the slash piles. Due to piling the available fuels, the indices required prior to ignition and having roads and varying degrees of mineral soil boundaries, it is not anticipated that suppression measures will be required if the burning is conducted sufficiently late in the season.

Should suppression measures be required, the Burn Boss/Company is to ensure that each burn area has sufficient equipment, personnel and the proper level of supervision required based on the burning conditions and values present to control the burn and any escape fires. The Burn Boss must also ensure that all equipment is serviceable and that the crews are trained in its use and maintenance.

The ignition/suppression crew will be responsible for all suppression efforts required during the burning operation. When burning conditions will facilitate fire spread from the treatable area, ignition will cease and suppression crews will closely monitor/extinguish to minimize fire spread. Further details regarding suppression, equipment and monitoring requirements for the range of indices are contained in the Slash Pile Burning Resource Chart located in Appendix B.

Depending on burning conditions, any values within 200 m of the piles to be burnt that may be in danger or affected by the fire will be fire guarded as required. This may include clearing of flammable debris, prewetting, use of foam, snow cover and the use of low intensity burning near values.

If on site resources are insufficient to halt the spread of the fire outside of the piles, the MNRF FMH will be immediately contacted.

All monitoring and suppression activities of the piles will be done by the Burn Boss in accordance with Appendix B (Slash Pile Burning Resource Chart) until the piles are declared out.

If the suppression plan is utilized; all ignition will be stopped, and all fire outside of the slash piles will be extinguished .

6.2 Suppression outside the Treatable Area

All burning will be limited to the treatable area.

If the fire spreads away from the piles and has the fuel to continue to spread, ignition will cease and an assessment will be conducted to determine the most appropriate actions to ensure the fire remains under control. Actions can include increasing monitoring and initiating suppression action (where required). Ignition of spot fires is an indicator of dry, receptive fine fuels and possible problematic control. Spotting > 30 meters indicates possible problematic control and should be reported to the FMH.

6.3 Personnel and Equipment

All personnel involved in the burn operations will be current and qualified to the standards (SP-100, SP-102, LCPB Worker). These personnel will receive training and briefings in ignition strategies and techniques as well as fire line suppression and safety. Ignition and suppression equipment must be thoroughly checked to ensure availability and serviceability prior to ignition.

A standard pumping unit will consist of the following:

- a centrifugal power pump capable of delivering water at a minimum of 65 psi. when used with a ½” opening attach directly to the pump
- a toolbox, which contains nozzles with assorted tip sizes, wyes, strainers, hose wrenches, plus spark plugs and assorted hand tools (i.e., screwdriver, crescent wrench, pliers, etc.)
- 1 full 5-gal sceptre gas can with proper gas/oil mixture to run the pump
- 1 intake hose – 8 to 10’ in length complete with foot valve
- 24 lengths of serviceable 1 ½” fire hose, with each length measuring 90 to 100’ and packed 4 lengths per box/packsack

6.4 Problematic Control

The following are indicators of problematic control with the slash pile burn:

- fire intensity (flame lengths) that is greater than what was predicted
- observed weather conditions increase the fire behaviour beyond an acceptable range
- fire spread that exceeds predicted rates of spread
- fire spread more than 30 metres away from the piles
- smoke drift affecting values or safety
- spot fires that do not self extinguish

If the problematic control stage occurs, the Burn Boss/Company on site will immediately cease ignition, conduct an assessment and contact the FMH. Efforts will be taken to return the burn to a controlled state as safely as possible. The FMH will be kept informed every 30 minutes of progress until control is achieved.

A Dryden Forest Management Company official will also be contacted immediately in the event of problematic control.

6.5 Fire Appropriate Response

If the burn reaches the problematic control stage and cannot be returned to the controlled state by the end of the burning period or if the burn escapes, the following information will be reported to the FMH. This assessment will include location, size, number of piles, resources available/required, values threatened, weather conditions, etc.

If the burn is declared a wildfire, a Fire Assessment Report will be completed by MNRF for the FDO.

6.6 Declaration of a Wildfire

There are indicators which crews must be able to recognize when a fire is in or about to enter a wildfire or out of control stage. These indicators include:

- Erratic fire behaviour
- Changes in weather; i.e., lower relative humidity (air seems dry), higher temperatures, an increase in wind speed
- Excessive suppression efforts are required
- Fire spreads readily from the treatable area, values will be threatened
- Fire spread and spot fires that exceed the level of suppression, personnel and equipment available to put the fire into a Being Held (BHE) or Under Control status (UCO)

The Burn Boss/Company will inform the FMH that the fire has gone beyond problematic control and should be considered a wildfire. The Burn Boss/Company/MNRF will assess the situation and take the necessary actions. These may include:

- Informing the local authorities of the situation including Ontario Provincial Police, Chief Fire Official (Municipality), adjacent landowners (large commercial operations), native bands, and the public
- In the event of an escaped fire to which heavy waterbombers have been dispatched, the crews will remove themselves from the fire area (minimum 300 m). They will secure the area from the public to allow the air attack to proceed safely.
- The Company will provide additional resources as required and/or request resources from the FMH
- Identifying any resources available; i.e., heavy equipment, contract fire fighters, etc.
- Stop ignition at other sites and commence aggressive monitoring

MNRF Crews may be committed to escaped fires until the SRO releases them after consultation with the Burn Boss/Company Official(s). The Burn Boss will discuss with MNRF, the opportunity to use Type II Sustained Action Contract Fire Crews for suppression and mop up. The fire's stage of control, fire behaviour and fire intensity will determine if the use of these crews is viable. The contractor for Type II crews is listed in the Appendix D. MNRF will assist until the fire is BHE or UCO, at which time, the MNRF will turn the burning operations back to the Company conducting the burn.

7.0 Service

No other services are required

8.0 Safety

This operation will be carried out in a safe manner as regulated by the Occupational Health and Safety Act (OHSA) and company policies.

If during slash pile burning, smoke drift impairs visibility on nearby road systems, crew members will be positioned at each end of the problematic area with radio communication and traffic signs to ensure safe travel. If visibility is reduced on a highway the O.P.P. will be contacted.

All personnel working on the burn will be trained in first aid to a level as required by the Occupational Health and Safety Act (OHSA). In the case that additional immediate medical attention is required beyond first aid, the Dryden Ambulance and or the Dryden O.P.P. will be contacted and given precise directions to the accident scene.

Dryden Ambulance: (807) 223-8272/ 911

Dryden O.P.P. (888) 310-1122/ 911

Forest Fire Reporting 310-FIRE/ (807) 937-5261

All procedures outlined in the OHSA and the Dryden Forest Management Health and Safety Manual for accident reporting must be adhered to.

Safe ignition/suppression practices will be discussed with work crews. All employees will adhere to all current company safety practices and protection procedures. Supervisors are to ensure compliance with the OHSA.

In areas where the pile burning is adjacent to public roads or highways, ignition will commence only if smoke from the burn will not impair visibility on the road. While burning in or near a community, care will be taken to limit the amount of smoke into the community.

All ignition will take place down wind of personnel and identified values. Suppression crews will not work on fire fronts with flames greater than 2m or in heavy smoke for extended periods.

Prior to ignition, fire safe areas and escape routes will be identified by the Burn Boss and communicated to all personnel involved in all phases of the burn.

9.0 Communications

This communications section outlines AFFES communication requirements for prescribed burns and is separate from any communications requirements related to prescribed burns outlined in the Forest Management Plan. The Burn Boss/Company will inform both the municipal office and the fire official on a daily basis or as arranged, when and where burning is to take place within the municipality. Whenever possible, coordination of burning with the local fire departments will take place.

The Company will make every effort to inform the general public. They may be informed through newspaper ads, radio announcements and signs posted along roads where burning will take place. These announcements are solely the

responsibility of the SFL holder and will indicate dates and locations where burning is to occur and a phone number for additional information.

9.1 Key Audiences/Contact List

Name	Phone Number	Address
Ministry of Natural Resources and Forestry	(807) 223-3341	479 Government Road
Municipalities/Communities/First Nations	(listed below)	
OPP/Municipal Police	223-2221/ 911	
Ministry of Labour	800-531-5551	
Ministry of Environment and Climate Change	888-367-7622	
Wabigoon/ Dinorwic	(807) 938-6427	Wabigoon/ Dinorwic
City of Dryden	(807) 223-1178	City of Dryden
Municipality of Machin	(807) 227-2633 (807) 227-2056	
Kenora Dispatch	(807) 468-3742	
Dryden Forest Management Company	(807) 223-7216	28A Earl Ave.

9.2 Key Messages

The Dryden Forest Management Company will be conducting slash pile burning for the purpose of hazard reduction and site preparation. Burning is to take place between Oct. 10 to Feb. 15, 2024 on the Dryden Forest between 7:00 am and 7:00 pm. Please call Dryden Forest Management Company at 223-7216 for further details.

9.3 Methods

Radio announcements will be conducted fourteen days prior to burning in order to inform the public of slash pile burning operations in the area.

Signs will be posted fourteen days prior to burning. Signs will be posted at the main accessible block roads into the burn area.

First Nations and Métis Requirements (Part D, Section 8.3)

In addition to the public notice, First Nation and Métis groups will receive a mail out with an index map showing the locations of the prescribed burns. Dryden Forest also maintains a website where First Nation and Métis material can be accessed (drydenforest.ca).

10.0 Plan Approval

This plan has been approved with the understanding that the Burn Boss, all section leaders and pertinent staff involved in the burn operation have read the plan and that any resulting queries have been satisfied prior to ignition. Furthermore, the Permittee acknowledges that they have read, understand and agree to abide by the Terms and Conditions for Conducting Prescribed Burns (Appendix A).

Title	Signature	Date
Company Official/Client		

Title	Signature	Date
District Manager		

Title	Signature	Date
Fire Management Supervisor		

Appendices

- A Terms and Conditions for Conducting Low Complexity Slash Pile Prescribed Burns
- B Slash Pile Burning Resource Chart
- C Qualifications of Personnel
- D Type II Crew Contractors
Contract Equipment
- E Proof of Liability Insurance
- F Low Complexity Slash Pile Burn – Post Burn Report
- G Maps

Appendix A - Terms and Conditions for Conducting Low Complexity Prescribed Burns

The following terms and conditions are requirements for any person wishing to conduct a Low Complexity Prescribed Burn under authority of a fire permit, issued under the Forest Fires Prevention Act, or on OMNRF managed Crown land outside of the legislated “Fire Region”. Failure to meet these conditions will result in the cancellation of the permit/approval.

As part of the issuance of this permit, the permit holder agrees to the following:

Definitions

"Minister" means the Ontario Minister of Natural Resources.

"Ministry" means the Ontario Ministry of Natural Resources.

"Fire Permit" means the fire permit issued under the authority of the Forest Fires Prevention Act and Ontario Regulation 207/96.

"Permittee" means the person(s) being issued the Fire Permit and includes the person(s) responsible for planning and conducting the Prescribed Burn operation and the manager(s) for the land base that the Prescribed Burn is being conducted on.

"Prescribed Burn" means an operation as described in the Aviation Forest Fire Management Policy and Procedure Manual under "Prescribed Burning".

"Prescribed Burn Manual" means the manual that sets standards and procedures for the planning and conducting of a prescribed burn as referenced in Ministry Policy FM:2:10.

"Low Complexity Prescribed Burn Plan" means a plan that complies in total with the requirements of the Ministry's Prescribed Burn Planning Manual.

“Indemnified Parties” means Her Majesty the Queen in right of Ontario, her ministers, appointees and employees.

Terms and Conditions

1. The Permittee requires an approved Prescribed Burn Plan, prepared and approved in accordance with the Prescribed Burn Manual.
2. The Permittee may be responsible for all direct costs incurred by the Ministry for approval of the Prescribed Burn Plan.
3. The Permittee will ensure that the Prescribed Burn is conducted in accordance with the approved Prescribed Burn Plan.
4. Where the Permittee is of the opinion that the approved Prescribed Burn Plan ought to be expanded, reduced or modified, the Permittee will immediately advise the Ministry accordingly and obtain written approval for any variations of the Plan, as outlined in the Prescribed Burn Manual.

5. All personnel involved with the delivery of the Prescribed Burn will be trained and certified to conduct the Prescribed Burn in accordance with the Ministry's Prescribed Burn Manual. Certifications of key positions required for the Prescribed Burn and those of the Permittee, their employees and/or contractors filling these positions will be listed in an attached schedule to the Prescribed Burn Plan.
6. A Ministry employee may be on-site at any stage of the Prescribed Burn Operation and the Permittee will allow Ministry employees access to the Prescribed Burn Area.
7. The Permittee is responsible for contacting all Regulatory agencies within an adequate time frame prior to igniting the burn as outlined in the Prescribed Burn Manual.
8. The Permittee is responsible for contacting all known parties with a vested interest in the burn, including the general public, in an adequate time frame prior to ignition of the burn as outlined in the Prescribed Burn Manual.
9. The Permittee will notify the Ministry of its intent to ignite the burn at least 48 hours prior to actual ignition.
10. On the day of the burn, the Permittee will seek final approval from the Ministry to ignite the burn and will only begin ignition after approval is given.
11. The Permittee will closely monitor ignition and report progress in accordance with Ministry standards in an attached schedule of the approved Prescribed Burn Plan.
12. The Permittee will closely monitor control stages of the burn in accordance with Ministry standards and report such to the Ministry in a timely fashion. This is required until the Prescribed Burn is declared out. In the event that a fire starts, even after it has been declared out, does not remove liability from the Permittee.
13. In the event the Prescribed Burn escapes its boundaries or threatens to become uncontrolled; wildfire response will be consistent with Ministry Guidelines. The Permittee must report that the Prescribed Burn is not under control without undue delay. Declaration of the Prescribed Burn as a wildfire does not remove liability from the Permittee. The Permittee is obligated to take suppression action described in the Prescribed Burn Plan. The Ministry will not reimburse the Permittee for their suppression costs incurred to suppress or limit the spread of any fire related to this permit. If the Ministry must respond to and help extinguish a fire related to this Permit, and the Permittee is in compliance with the approved plan and exercises due diligence in their efforts to suppress the fire excursion, the Ministry will not pursue recovery of suppression costs incurred by the Ministry.

14. In the event the Prescribed Burn escapes its boundaries and requires a wildfire response, a Review Panel will be appointed by the Ministry to review the circumstances of the escape.
15. The Permittee agrees to indemnify and hold harmless the Ministry, its officers, employees and agents from any and all claims, demands, expenses, actions, causes of action and for any liability for damages to property and injury to persons (including death) howsoever caused, arising from or attributable to anything done or omitted to be done by the Permittee, its officers, employees, agents and contractors in the course of carrying out the Prescribed Burn. This indemnity shall survive the termination or expiry of the Permit.
16. The Permittee hereby agrees to put in effect and maintain for the duration of the Permit at its own cost and expense, with insurers acceptable to the Risk Management & Insurance Services (RMIS) of Shared Services Bureau, all the necessary and appropriate insurance that a prudent person in the business of the Permittee would maintain including, but not limited to, the following:

Commercial general liability insurance on an occurrence basis for third party bodily injury, personal injury and property damage, to an inclusive limit of not less than **\$2,000,000** per occurrence, **\$2,000,000** products and completed operations aggregate. The policy is to include the following:

 - the Indemnified Parties as additional insured's with respect to liability arising in the course of performance of the Permittee's obligations under, or otherwise in connection with, the permit
 - liability coverage
 - cross-liability clause
 - employer's liability coverage
 - 30 day written notice of cancellation, termination or material change
17. The Permittee shall be knowledgeable of, and abide by, the provisions of all legislative enactment, by-laws and regulations in regard to health and safety, and the Occupational Health and Safety Act of Ontario.
18. In the event that any of the terms and conditions contained within are determined invalid, unlawful, or unenforceable to any extent, such term or condition shall be severed from the remaining terms and conditions which shall continue to be valid to the fullest extent of the law.
19. Nothing in the Fire Permit, Terms and Conditions, or Prescribed Burn Plan removes the obligation of the Permittee to comply with all federal and provincial laws, rules, orders and regulations and all by-laws of all relevant authorities.

Appendix B - Slash Pile Burning Resource Chart

Risk	Weather Parameters	Burn Boss	Communications	Suppression Staff	Suppression Equipment	Monitoring
Shut Down Criteria If any of the weather parameters are exceeded, the ignition should cease.	FFMC: > 85 BUI: > 40 DC: > 340 Observed winds > 20 kph or forecasted winds to be > 20 kph anytime over the next 3 day period.	<ul style="list-style-type: none"> Minimum IC4 or LCPB Boss - dedicated (not part of suppression crews; may do monitoring). 	<ul style="list-style-type: none"> Call local FMH and discuss shutdown period. Burn Boss must have direct communications with all areas. 	<ul style="list-style-type: none"> 1 suppression crew per area (on site within 1 hour). 1 additional suppression crew available within 4 hours per area ignited. 	<ul style="list-style-type: none"> Minimum 1 pump unit per suppression/monitoring crew in the area. Minimum 1 pack pump and shovel per suppression person. 	<ul style="list-style-type: none"> At a minimum, an IC5 or LCPB Boss is required for monitoring piles. Company must have enough staff to monitor all piles not declared out at least twice during the burning period. One patrol must be between 15:00 and 17:00 hrs
High Consider curtailing ignition.	FFMC: 81-85 BUI: 31-40 DC: 300-340 Winds: ≤ 20 kph	<ul style="list-style-type: none"> Minimum IC5 or LCPB Boss - dedicated. 	<ul style="list-style-type: none"> Communications required on site between Burn Crew and IC5 / LCPB Boss and FMH. 	<ul style="list-style-type: none"> 1 stand alone suppression crew available on site within 1 hour per area. 1 additional stand alone suppression crew available within 4 hours. 	<ul style="list-style-type: none"> Minimum 1 pump unit per ignition crew within 30 minutes. Minimum 1 pack pump and shovel per ignition/suppression staff. 	<ul style="list-style-type: none"> IC5 or LCPB Boss required for monitoring piles. Piles must be monitored during the burning period after ignition until no open flame is visible. Check piles next day before starting ignition of more area. Company must have enough staff to monitor all piles not declared out at least once during the burning period.
Moderate	FFMC: 75-80 BUI: 21-30 DC: 241-299 Winds: ≤ 20 kph	<ul style="list-style-type: none"> Minimum IC5 or LCPB Boss - may be part of ignition/suppression crew. 	<ul style="list-style-type: none"> Communications required on site. Monitor daily and have daily dialogue with the local FMH. 	<ul style="list-style-type: none"> Minimum 3 suppression staff per pump unit available within 1 hour. Ignition/suppression crew can be the same. 	<ul style="list-style-type: none"> Minimum 1 pump unit per ignition crew available within 1 hour. Minimum 1 pack pump and shovel per ignition staff. 	<ul style="list-style-type: none"> IC5 or LCPB Boss required for monitoring of piles. Company must have enough staff to monitor all piles at least once during the burning period until no open flame is visible. Additional monitoring as burning conditions dictates.

Low Complexity Prescribed Burn Plan for Slash Pile Burning

Risk	Weather Parameters	Burn Boss	Communications	Suppression Staff	Suppression Equipment	Monitoring
Low	FFMC: ≤ 74 BUI: ≤ 20 DC: ≤ 240 Winds: ≤ 20 kph Snow cover that may melt.	<ul style="list-style-type: none"> Minimum SP-200 qualified and can be part of the ignition crew. SP-102 or LCPB Worker with 3 seasons of burning experience. 	<ul style="list-style-type: none"> Communications required within 15 minutes of burn location. 	<ul style="list-style-type: none"> Ignition crew and suppression crew can be the same. 	<ul style="list-style-type: none"> 1 pumping unit available within 4 hours during ignition phase. Minimum 1 pack pump and 1 shovel per person. 	<ul style="list-style-type: none"> Minimum crew boss (SP-200 or SP-102 or LCPB Worker with 3 seasons of burning experience.). Monitoring during the burning period, as conditions dictate.
Very Low	Snow cover that will stay.	<ul style="list-style-type: none"> SP-102 or LCPB Worker with 2 seasons burning experience. 	<ul style="list-style-type: none"> Communications required within 30 minutes of burn location. 	<ul style="list-style-type: none"> Ignition crew and suppression crew can be the same. 	<ul style="list-style-type: none"> Minimum 1 pack pump and 1 shovel per person. 	<ul style="list-style-type: none"> SP-102 or LCPB Worker with 2 seasons burning experience. - As required, pending burning conditions. No burning after February 15th. Piles must be out by March 15th.
Notes: <ul style="list-style-type: none"> Burning period is defined as noon local time to 1 hour before sunset. An area is defined by the company, in consultation with the FMS. In general terms it should be an area that can be adequately monitored by vehicle in a burning period. All prescribed burn workers must have completed the Hand Held Burnout Operations and Ignition Pattern Module before any involvement in prescribed burn operations. Suppression crew is defined as 3 staff: a Crew Boss SP-200 or LCPB Boss and 2 other trained staff (SP-100/SP-102/LCPB Worker). Generally no burning before October 1st depending on indices and drought conditions. Fire Management Supervisors will have local discretion to adjust after discussions with the Regional Duty Officer. If the forecasted winds over a 3 day period are expected to exceed 20 kph, then companies to consider not igniting piles before the expected wind increase Under low risk situations with snow present and snow is expected to stay, wind restrictions do not apply. Under low risk situations with wet conditions, discuss situation with local FMH if winds expected to exceed 20 kph. In below freezing temperatures, the pack pumps may be empty. If FFMC and BUI values are in the low to very low category, but DC values remain moderate to extreme, the suppression staff, suppression equipment, and monitoring requirements can be waived by the local FMS, after discussions with the Regional Duty Officer if the probability of fire escaping the piles is expected to be minimal for the remainder of the year. 						

Appendix C - Qualifications of Personnel

Name		Qualification(s)	Ignition (Y/N)	Suppression (Y/N)
Scott Skene	Crew Burn Boss	SP-102	Y	Y
Karen Downie	Crew Member	SP-102	Y	Y
Tom Callum Cheesequay	Crew Member	SP-300, Rx200, IC5	Y	Y
Mackenzie Fraser	Crew Member	SP-300, Rx200, IC5	Y	Y
Tim Miller	Crew Member	SP-102	Y	Y
Wil Zurbrigg	Crew Member	SP-102	Y	Y
Mike Lemaistre	Crew Member	SP-102	Y	Y
Michael Alameda	Crew Member	SP-102	Y	Y
If the personnel changes the local FMH will be notified				

Appendix D - Lists of Type II Crew and Equipment Contractors

Name of Contractor	No. of Crews	Contractor Contact
Moose Creek Reforestation	One Ignition and/ Suppression Crew	(807) 937-5806


Name of Equipment Contractor	No. and Type of Equipment	Equipment Contractor Contact	Distance or Time to Site
Moose Creek Reforestation	2 – 4x4 trucks	(807) 937-5806	On site/ within one hour from site
Moose Creek Reforestation	2 - ATVs	(807) 937-5806	On site/ within one hour from site
Moose Creek Reforestation	1- trailer for ATVs and equipment	(807) 937-5806	On site/ within one hour from site
Moose Creek Reforestation	1 – fire trailer, with pumping unit and extra pump	(807) 937-5806	On site/ within one hour from site
Moose Creek Reforestation	3 – drip torches	(807) 937-5806	On site/ within one hour from site
Moose Creek Reforestation	1 – air compressor and air blowing prop device	(807) 937-5806	On site/ within one hour from site
Moose Creek Reforestation	2 – power saws	(807) 937-5806	On site/ within one hour from site
Moose Creek Reforestation	2 – GPS units	(807) 937-5806	On site/ within one hour from site
Moose Creek Reforestation	4 – hand held radios	(807) 937-5806	On site/ within one hour from site

Appendix E

Certificate of Insurance

Proof of Insurance

The Permittee shall provide the Ministry with proof of the insurance required by this Plan in the form of valid certificates of insurance that reference this approved plan and confirm the required coverage, on or before the commencement of this permit, and renewal replacements on or before the expiry of any such insurance. Upon the request of the Ministry, a copy of each insurance policy shall be made available to it. The Permittee shall ensure that each of its subcontractors complies with the insurance requirements set out in this permit by obtaining similar types of insurance and providing the Permittee with proof of the acquisition and maintenance of such insurance.

CERTIFICATE OF INSURANCE					DATE (MM/DD/YY) August 1, 2023	
BROKER The Standard Insurance Brokers 73 King Street, Dryden Ontario P8N 1B7			This certificate is issued as a matter of information only and confers no rights upon the certificate holder and imposes no liability on the insurer. This certificate does not amend, extend or alter the coverage afforded by the policies below.			
INSURED'S FULL NAME AND MAILING ADDRESS DRYDEN FOREST MANAGEMENT INC. 28 EARL AVE. SUITE A DRYDEN ON P8N 1X5			COMPANIES AFFORDING COVERAGE			
			COMPANY A			
			CERTAIN UNDERWRITERS AT LLOYD'S OF LONDON			
COVERAGES This is to certify that the policies of insurance listed below have been issued to the insured named above for the policy period indicated notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate may be issued or may pertain. The insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.						
CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS (Canadian dollars unless indicated otherwise)	
	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCURRENCE <input checked="" type="checkbox"/> TENANTS LEGAL LIABILITY <input type="checkbox"/> NON-OWNED AUTOMOBILE <input checked="" type="checkbox"/> PREMISES LIABILITY <input checked="" type="checkbox"/> PRODUCTS LIABILITY	SR019852	01/19/2022	01/19/2023	EACH OCCURRENCE GENERAL AGGREGATE PRODUCTS-COMP/OP AGGREGATE PERSONAL INJURY ADVERTISING LIABILITY TENANT'S LEGAL LIABILITY NON-OWNED AUTOMOBILE PROPERTY DAMAGE DEDUCTIBLE BODILY INJURY DEDUCTIBLE	\$ 2,000,000 \$ 2,000,000 \$ 2,000,000 \$ 2,000,000 \$ 2,000,000 \$ 2,000,000 \$ 2,500 \$ 2,500
	AUTOMOBILE LIABILITY <input type="checkbox"/> DESCRIBED AUTOS <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> LEASED AUTOS <small>*ALL AUTOMOBILES LEASED IN EXCESS OF 30 DAYS WHERE THE INSURED IS REQUIRED TO PROVIDE INSURANCE</small>				BODILY INJURY & PROPERTY DAMAGE COMBINED COLLISION DEDUCTIBLE COMPREHENSIVE DEDUCTIBLE ALL PERILS DEDUCTIBLE	\$ \$ \$ \$
	EXCESS/ UMBRELLA <input type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM				EACH OCCURRENCE AGGREGATE	\$ \$ \$
	PROPERTY <input type="checkbox"/> BROAD FORM <input type="checkbox"/> NAMED PERILS				LIMIT DEDUCTIBLE	\$ \$
	OTHER FOREST FIRE FIGHTING EXPENSE				LIMIT DEDUCTIBLE	\$ 500,000 \$ 2,500
ADDITIONAL INSURED NAME AND MAILING ADDRESS				DESCRIPTION OF OPERATIONS/LOCATIONS/ SPECIAL ITEMS		
CERTIFICATE HOLDER NA50ME AND ADDRESS TO WHOM IT MAY CONCERN				CANCELLATION Should any of the above described policies be cancelled before the Expiration date thereof, the issuing company will endeavor to mail 30 days written notice to the certificate holder, but failure to mail such notice shall impose no obligation or liability of any kind upon the company, its agents or representatives. AUTHORIZED REPRESENTATIVE - The Standard Insurance Brokers 		

Appendix F

Low Complexity Slash Pile Burn - Post Burn Report

Slash Pile Burn Name (SFL) _____

Location

Forest Management Unit: _____

MNRF District: _____

Geographic Area: _____

Township(s): _____

Gross Area (ha) of Cut Blocks: _____

Net Area (ha) of Slash Coverage: _____

Total # of Piles Burned: Conifer _____ Mixed _____ Hardwood _____

Total # of Piles Left: Conifer _____ Mixed _____ Hardwood _____

Area Recovered by Burning (ha): _____

Average Consumption of Piles: >90% ☐ 70-90% ☐ 50-70% ☐ <50% ☐

Date(s) of Burning Location:

--	--

Observed Fire Behaviour:

Problematic Control Activities:

Safety Issues:

Objectives Met (As Related to Objectives Stated in LCPB Slash Burn Plan): _____

Comments: _____

Recommendations:

Date Piles Called Out: _____

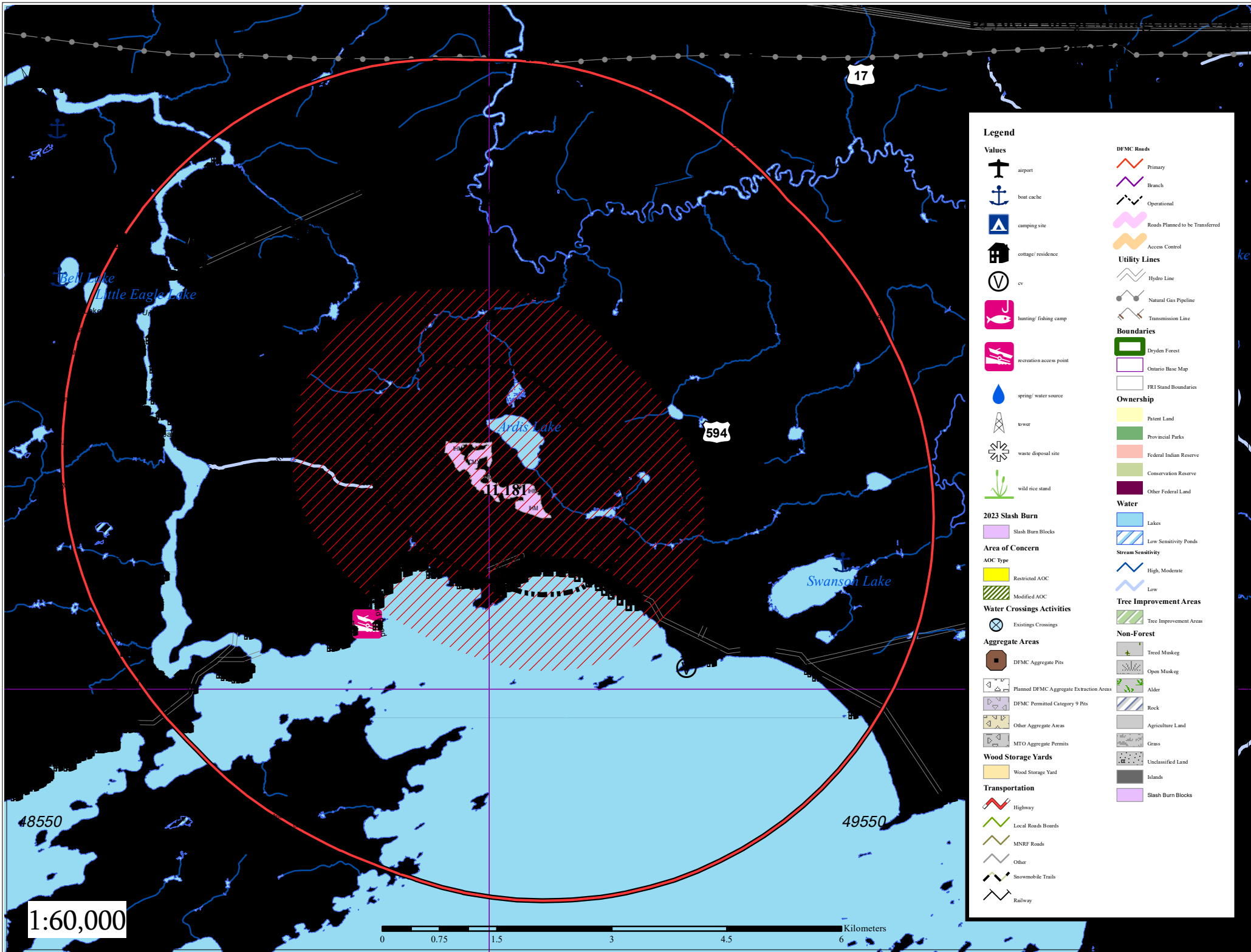
Post-Burn Report Author: _____

Date Post-Burn Report Submitted: _____

Appendix F - Maps

Dryden Forest Management Unit
2023 - 2024
Annual Work Schedule
Slash Pile Burn Plan

BLOCKID	Township	OBM	Area (ha)
11.181	Aubrey	48551/ 49551	35.7
21.043	Redvers	47553/ 47554	6.7
21.049	Redvers	46554	69.4
21.115	Ladysmith	50554	72.3
21.124	Rowell	50554	298.3
21.155	502923	51555	36.3
21.169	Britton	51553	98.7
21.170	Britton	51553	239.1
21.186	Wainwright	51552	31.6
21.242	Melgund/ Revell	55549	94.6
21.243	Melgund	55549	68.8
21.244	Melgund	54549	36.9
21.247-S	Revell	55549	14.3
21.261	Melgund	54549	69.9
21.262	Melgund	54548	92.7
21.263	Melgund	54548	109.6
21.264	Melgund	54548	30.6
21.265	Melgund	54548	21.9
			1,427.4



Legend

Values

airport

boat cache

camping site

cottage/residence

cv

hunting/fishing camp

recreation access point

spring/water source

tower

waste disposal site

wild rice stand

2023 Slash Burn

Slash Burn Blocks

Area of Concern

AOC Type

Restricted AOC

Modified AOC

Water Crossings Activities

Existing Crossings

Aggregate Areas

DFMC Aggregate Pits

Planned DFMC Aggregate Extraction Areas

DFMC Permitted Category 9 Pits

Other Aggregate Areas

MTO Aggregate Permits

Wood Storage Yards

Wood Storage Yard

Transportation

Highway

Local Roads Boards

MNR Roads

Other

Snowmobile Trails

Railway

DFMC Roads

Primary

Branch

Operational

Roads Planned to be Transferred

Access Control

Utility Lines

Hydro Line

Natural Gas Pipeline

Transmission Line

Boundaries

Dryden Forest

Ontario Base Map

FRI Stand Boundaries

Ownership

Patent Land

Provincial Parks

Federal Indian Reserve

Conservation Reserve

Other Federal Land

Water

Lakes

Low Sensitivity Ponds

Stream Sensitivity

High, Moderate

Low

Tree Improvement Areas

Tree Improvement Areas

Non-Forest

Treed Muskeg

Open Muskeg

Alder

Rock

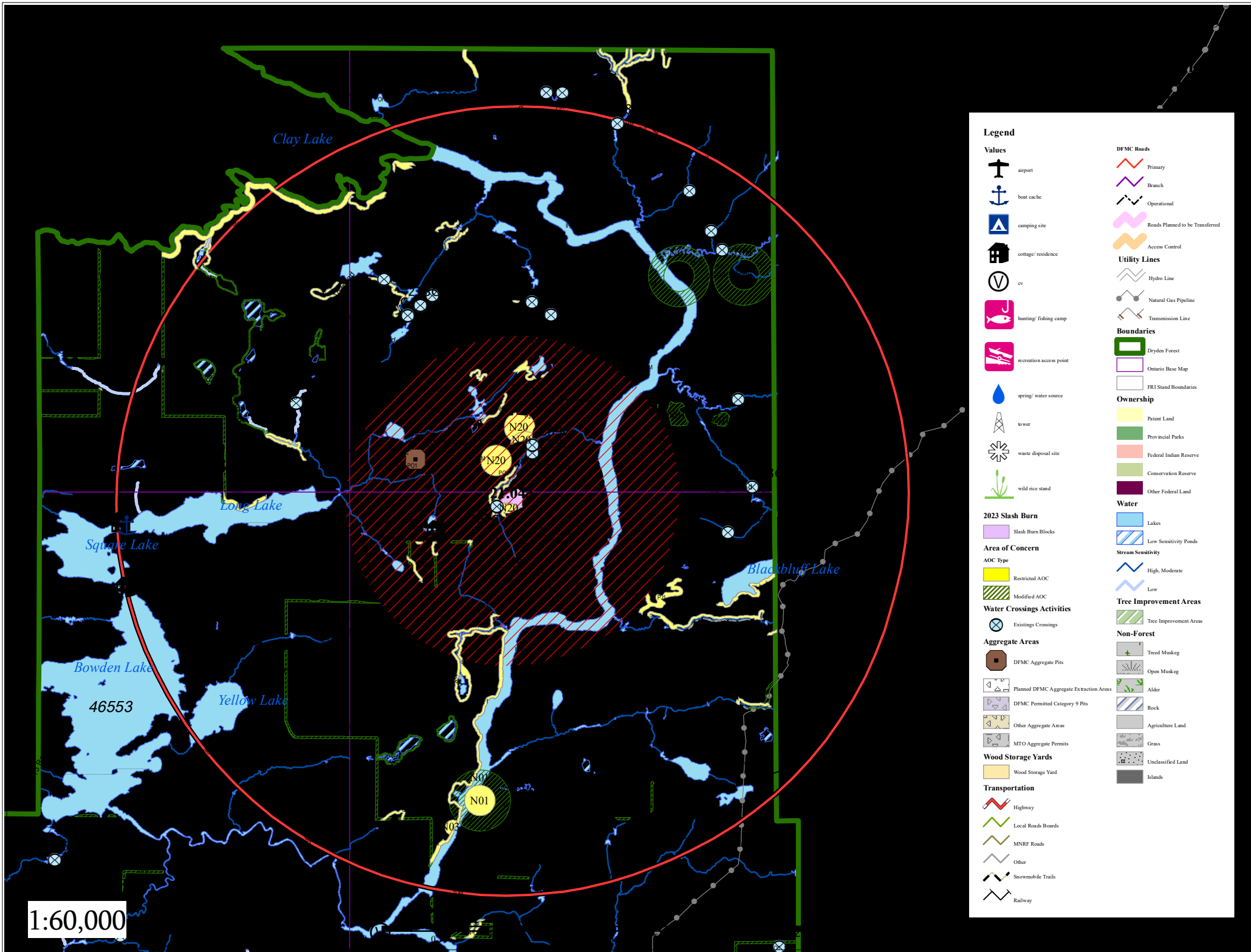
Agriculture Land

Grass

Unclassified Land

Islands

Slash Burn Blocks



Legend

Values

airport

boat cache

camping site

cottage/residence

cv

hunting/ fishing camp

recreation access point

spring/ water source

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2023 Slash Burn

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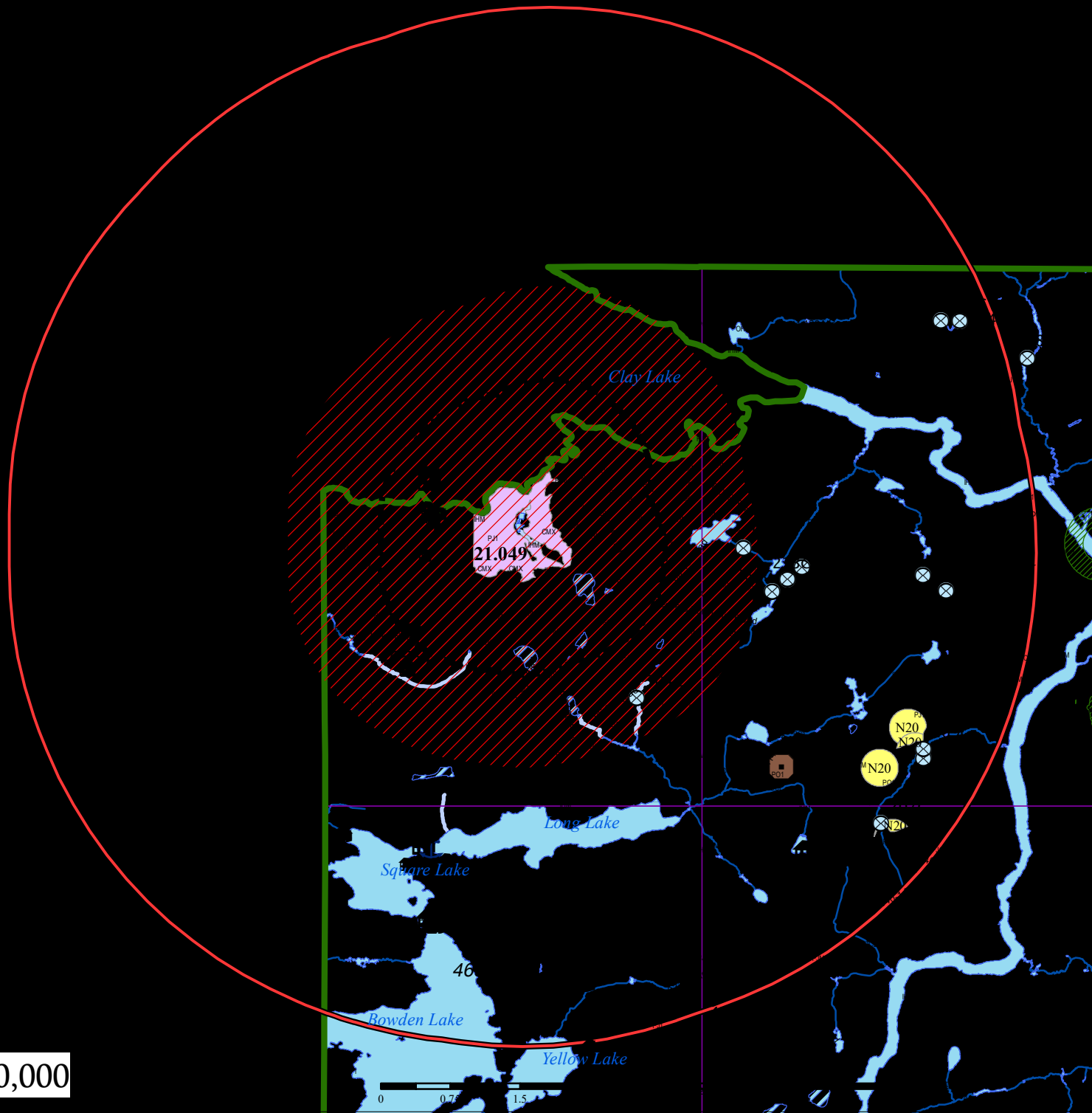
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Agriculture Land

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Islands

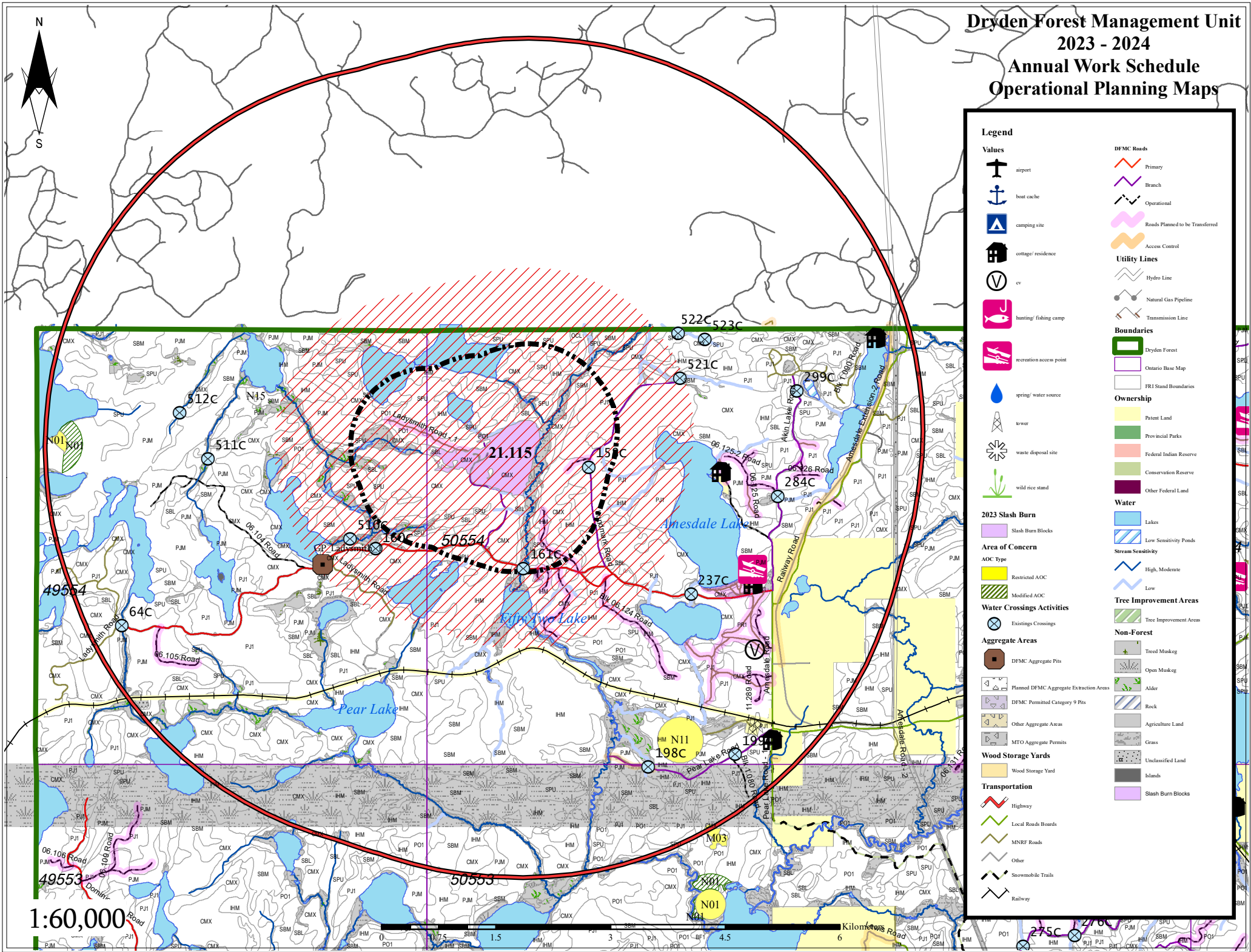


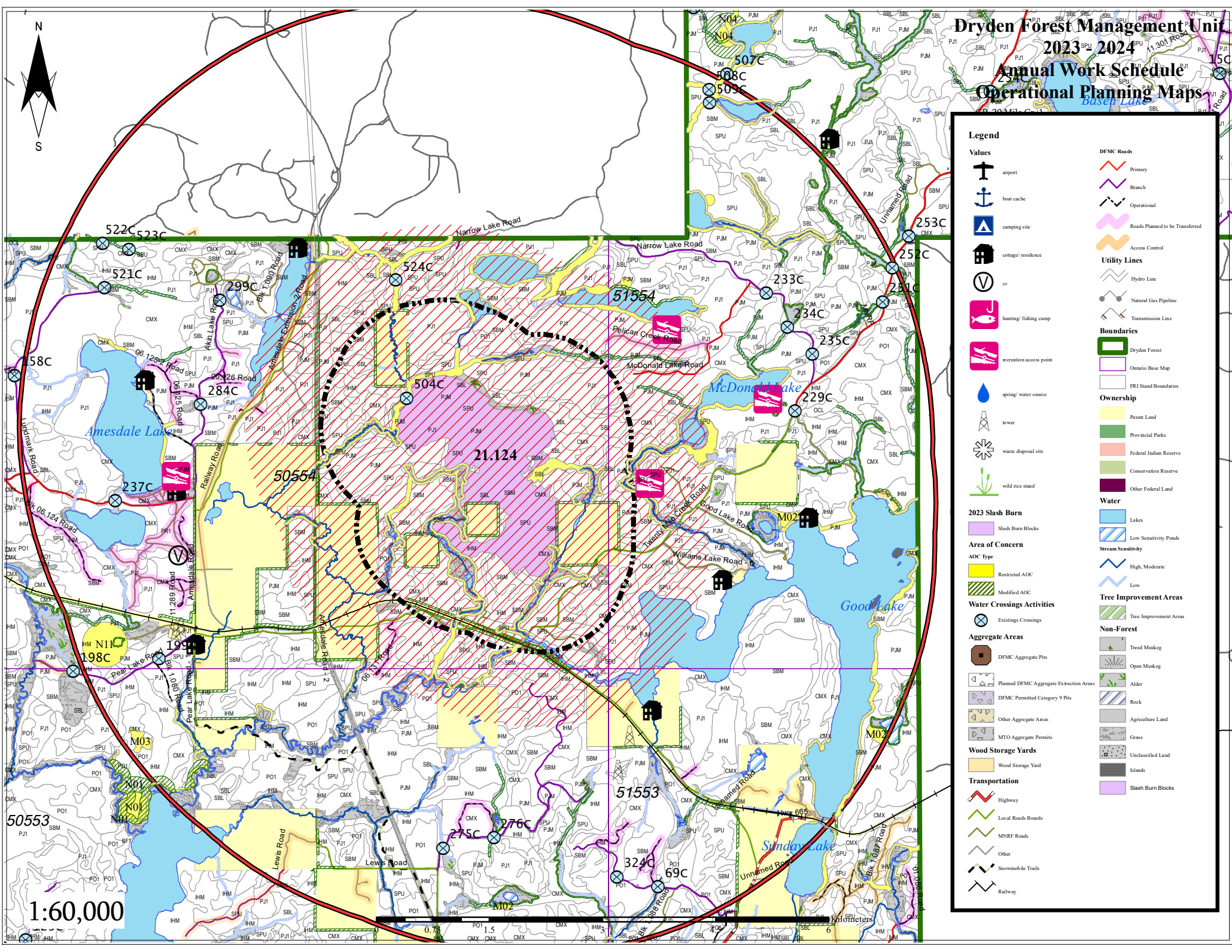
Dryden Forest Management Unit

2023 - 2024

Annual Work Schedule

Operational Planning Maps





Dryden Forest Management Unit

2023-2024

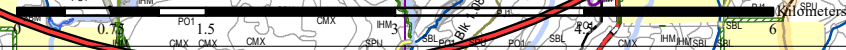
Annual Work Schedule

Operational Planning Maps

Legend

- Values**
- airport
- boat cache
- camping site
- cottage/residence
- cv
- hunting/fishing camp
- recreation access point
- spring/water source
- tower
- waste disposal site
- wild rice stand
- 2023 Slash Burn**
- Slash Burn Blocks
- Area of Concern**
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- Water Crossings Activities**
- Existing Crossings
- Aggregate Areas**
- DFMC Aggregate Pits
- Planned DFMC Aggregate Extraction Areas
- DFMC Permitted Category 9 Pits
- Other Aggregate Areas
- MTO Aggregate Permits
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- Wood Storage Yard
- Transportation**
- Highway
- Local Roads Boards
- MNR Roads
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- Snowmobile Trails
- Railway
- DFMC Roads**
- Primary
- Branch
- Operational
- Roads Planned to be Transferred
- Access Control
- Utility Lines**
- Hydro Line
- Natural Gas Pipeline
- Transmission Line
- Boundaries**
- Dryden Forest
- Ontario Base Map
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- Conservation Reserve
- Other Federal Land
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- Stream Sensitivity**
- High, Moderate
- Low
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- Tree Improvement Areas
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- Open Muskeg
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- Rock
- Agriculture Land
- Grass
- Unclassified Land
- Islands
- Slash Burn Blocks

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Legend

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Utility Lines

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- FRI Stand Boundaries

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Water

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Tree Improvement Areas

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Non-Forest

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- Slash Burn Blocks

2023 Slash Burn

- Slash Burn Blocks

Area of Concern

AOC Type

- Restricted AOC
- Modified AOC

Water Crossings Activities

- Existing Crossings

Aggregate Areas

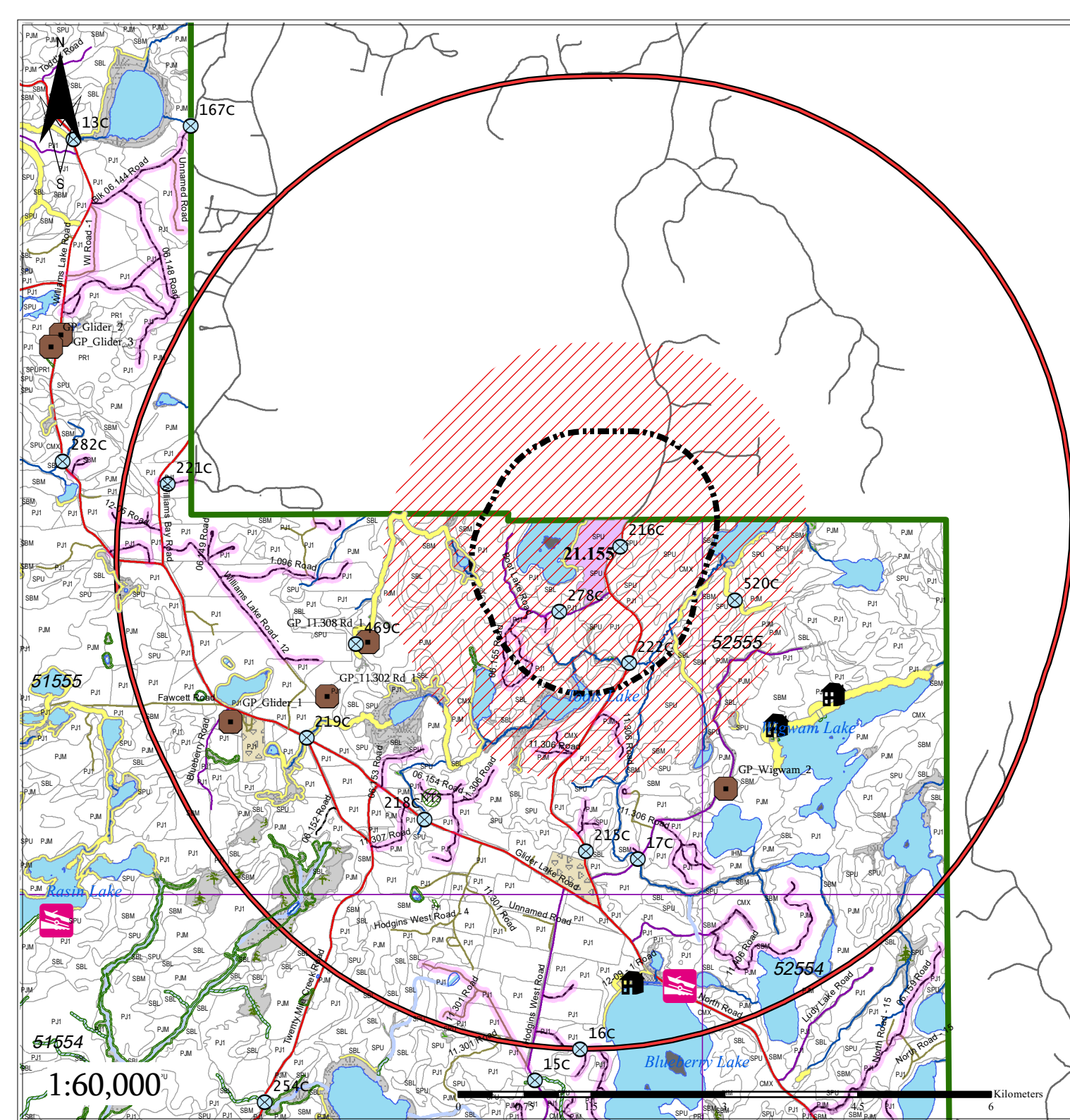
- DFMC Aggregate Pits
- Planned DFMC Aggregate Extraction Areas
- DFMC Permitted Category 9 Pits
- Other Aggregate Areas
- MTO Aggregate Permits

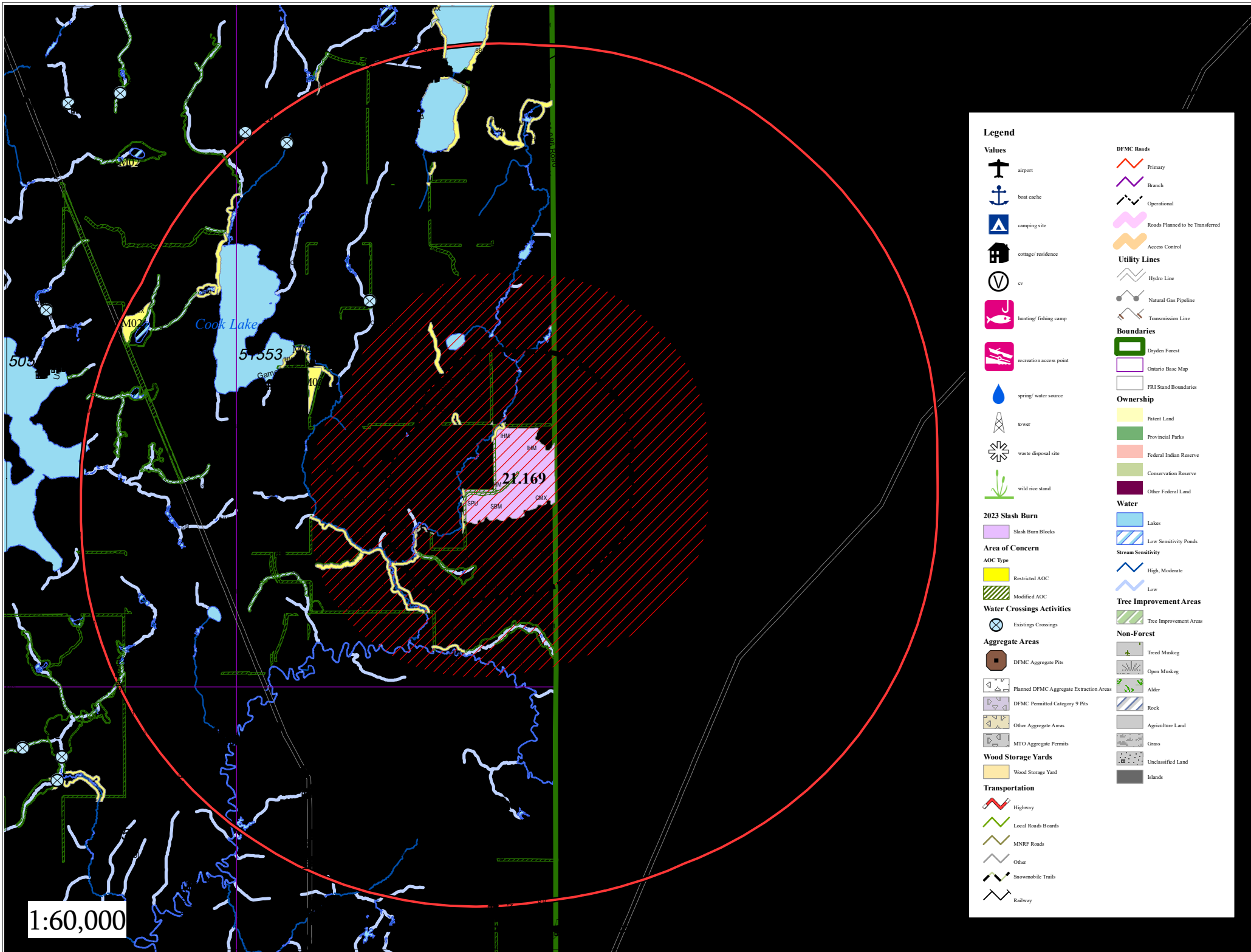
Wood Storage Yards

- Wood Storage Yard

Transportation

- Highway
- Local Roads Boards
- MNRF Roads
- Other
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- Railway





Legend

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Utility Lines

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- Transmission Line

Boundaries

- Dryden Forest
- Ontario Base Map
- FR I Stand Boundaries

Ownership

- Patent Land
- Provincial Parks
- Federal Indian Reserve
- Conservation Reserve
- Other Federal Land

Water

- Lakes
- Low Sensitivity Ponds

Stream Sensitivity

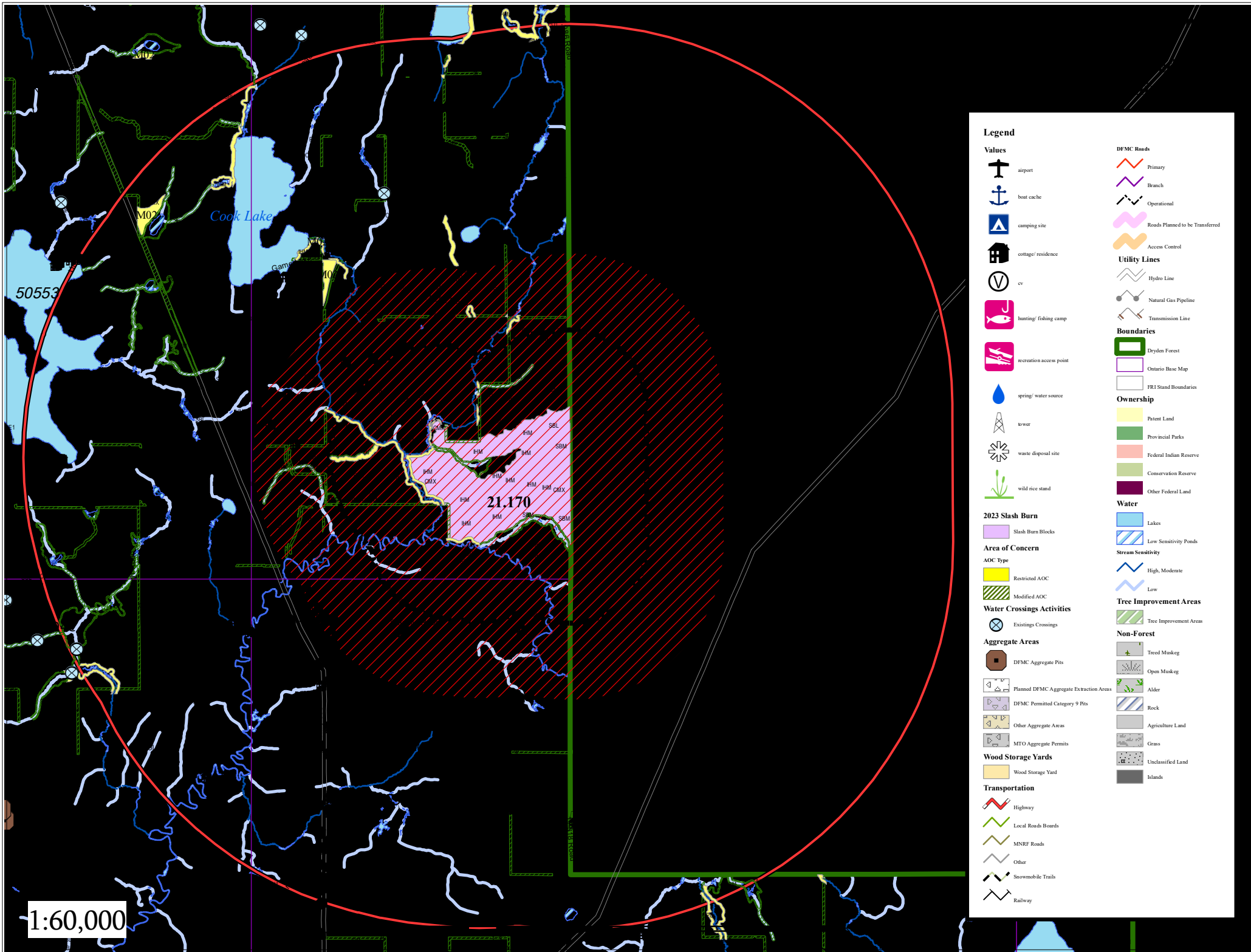
- High, Moderate
- Low

Tree Improvement Areas

- Tree Improvement Areas

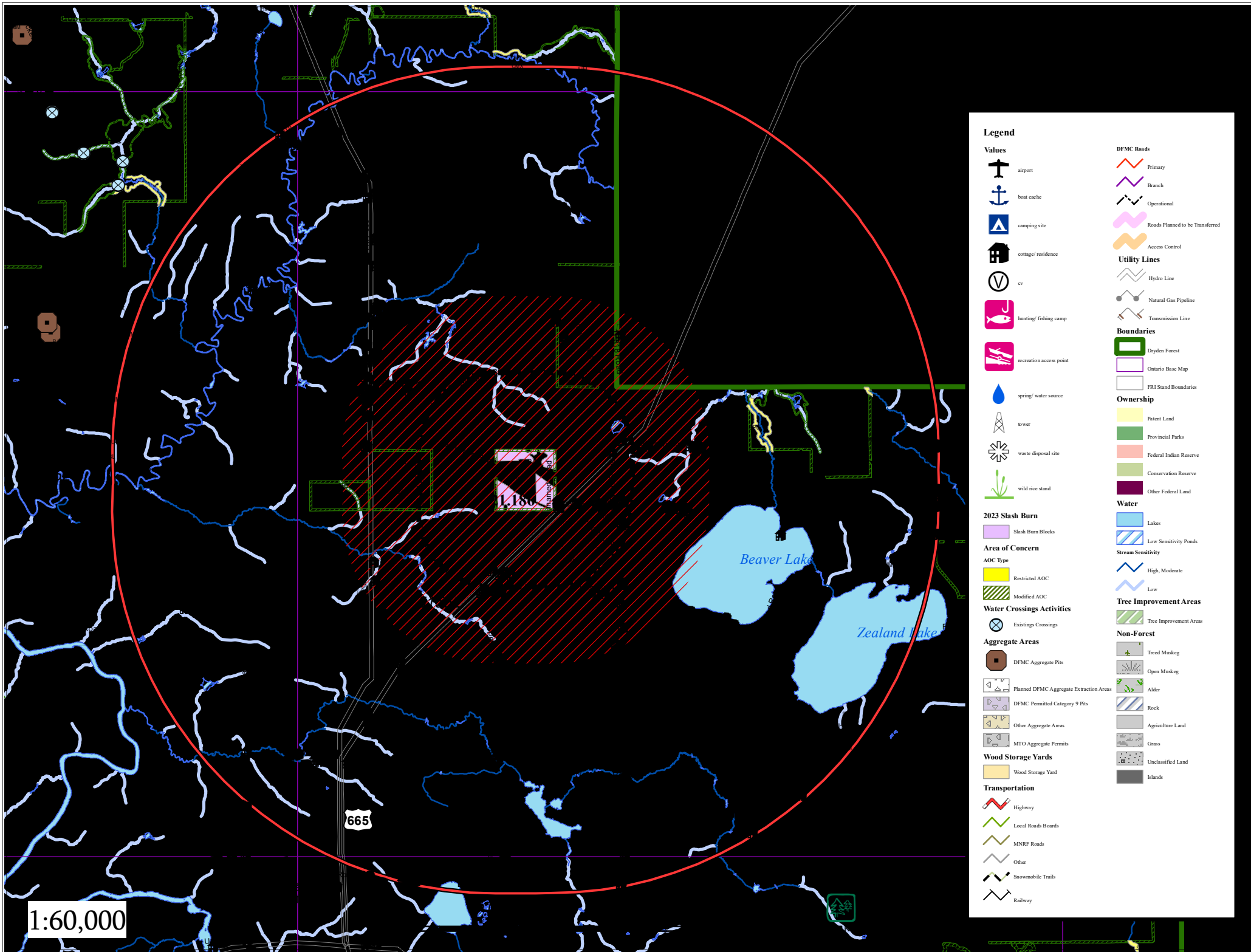
Non-Forest

- Treed Muskog
- Open Muskog
- Alder
- Rock
- Agriculture Land
- Grass
- Unclassified Land
- Islands



Legend

Values	DFMC Roads
airport	Primary
boat cache	Branch
camping site	Operational
cottage/residence	Roads Planned to be Transferred
cv	Access Control
hunting/ fishing camp	Utility Lines
recreation access point	Hydro Line
spring/ water source	Natural Gas Pipeline
tower	Transmission Line
waste disposal site	Boundaries
wild rice stand	Dryden Forest
2023 Slash Burn	Ontario Base Map
Slash Burn Blocks	FRI Stand Boundaries
Area of Concern	Ownership
Restricted AOC	Patent Land
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Water Crossings Activities	Federal Indian Reserve
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Aggregate Areas	Other Federal Land
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DFMC Permitted Category 9 Pits	Low Sensitivity Ponds
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Wood Storage Yard	Tree Improvement Areas
Transportation	Tree Improvement Areas
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MNR Roads	Open Muskeg
Other	Alder
Snowmobile Trails	Rock
Railway	Agriculture Land
	Grass
	Unclassified Land
	Islands



Legend

Values

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boat cache

camping site

cottage/residence

cv

hunting/ fishing camp

recreation access point

spring/ water source

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waste disposal site

wild rice stand

2023 Slash Burn

Slash Burn Blocks

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Dryden Forest

Ontario Base Map

FRI Stand Boundaries

Ownership

Patent Land

Provincial Parks

Federal Indian Reserve

Conservation Reserve

Other Federal Land

Water

Lakes

Low Sensitivity Ponds

Stream Sensitivity

High, Moderate

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Tree Improvement Areas

Tree Improvement Areas

Non-Forest

Treed Muskeg

Open Muskeg

Alder

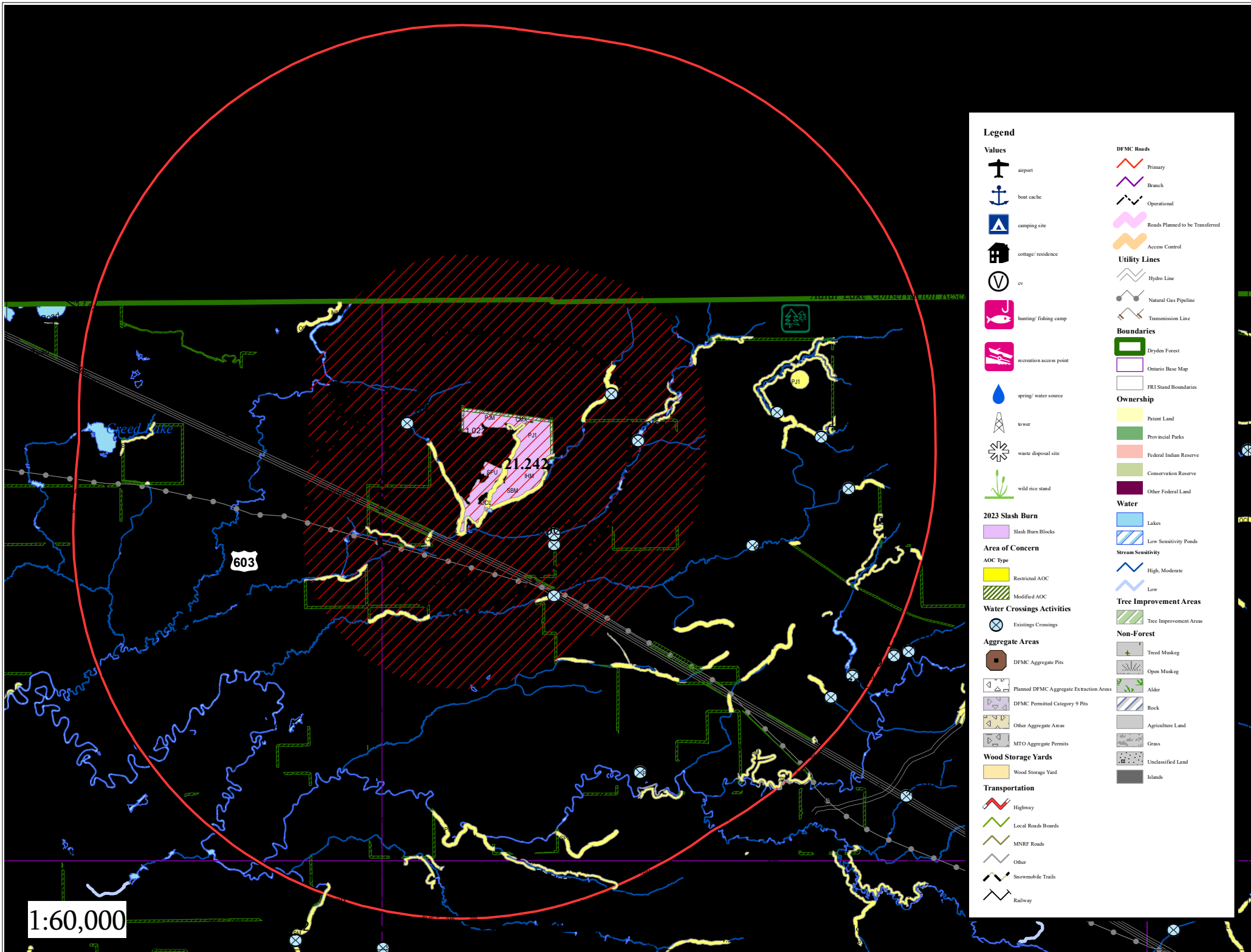
Rock

Agriculture Land

Grass

Unclassified Land

Islands



Legend

Values

airport

boat cache

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cottage/residence

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hunting/fishing camp

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Ontario Base Map

FRI Stand Boundaries

Ownership

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Federal Indian Reserve

Conservation Reserve

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Tree Improvement Areas

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Non-Forest

Treed Muskeg

Open Muskeg

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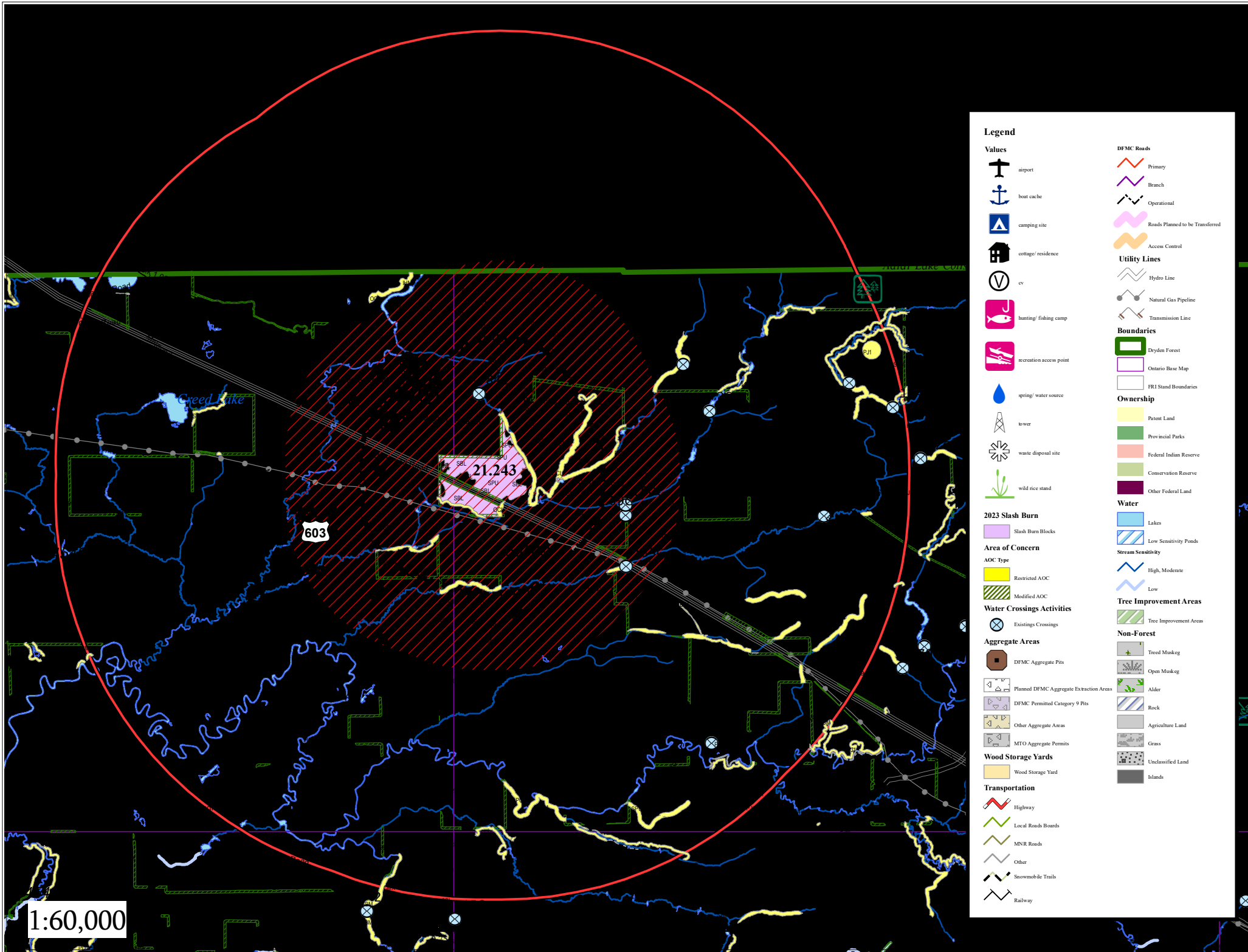
Rock

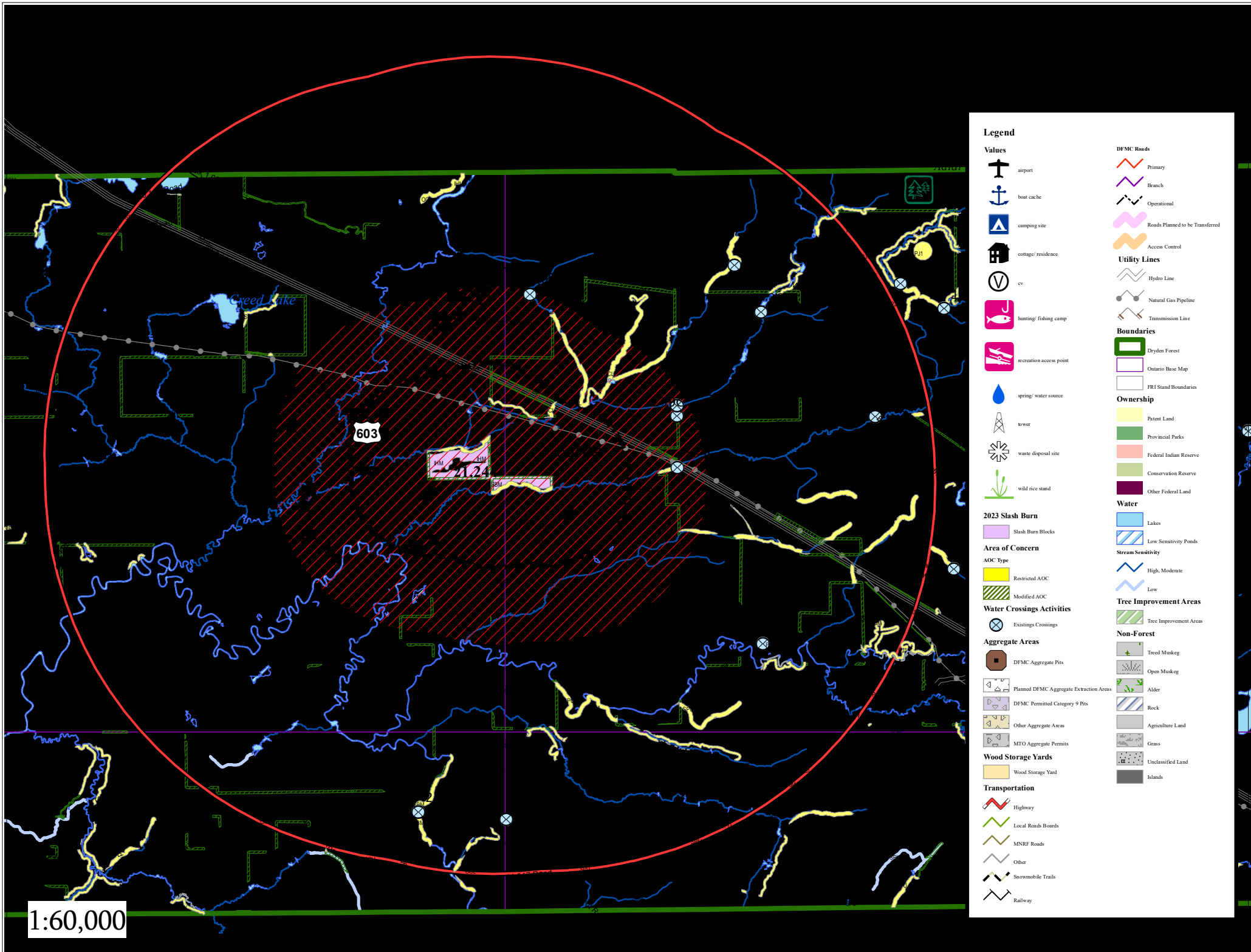
Agriculture Land

Grass

Unclassified Land

Islands

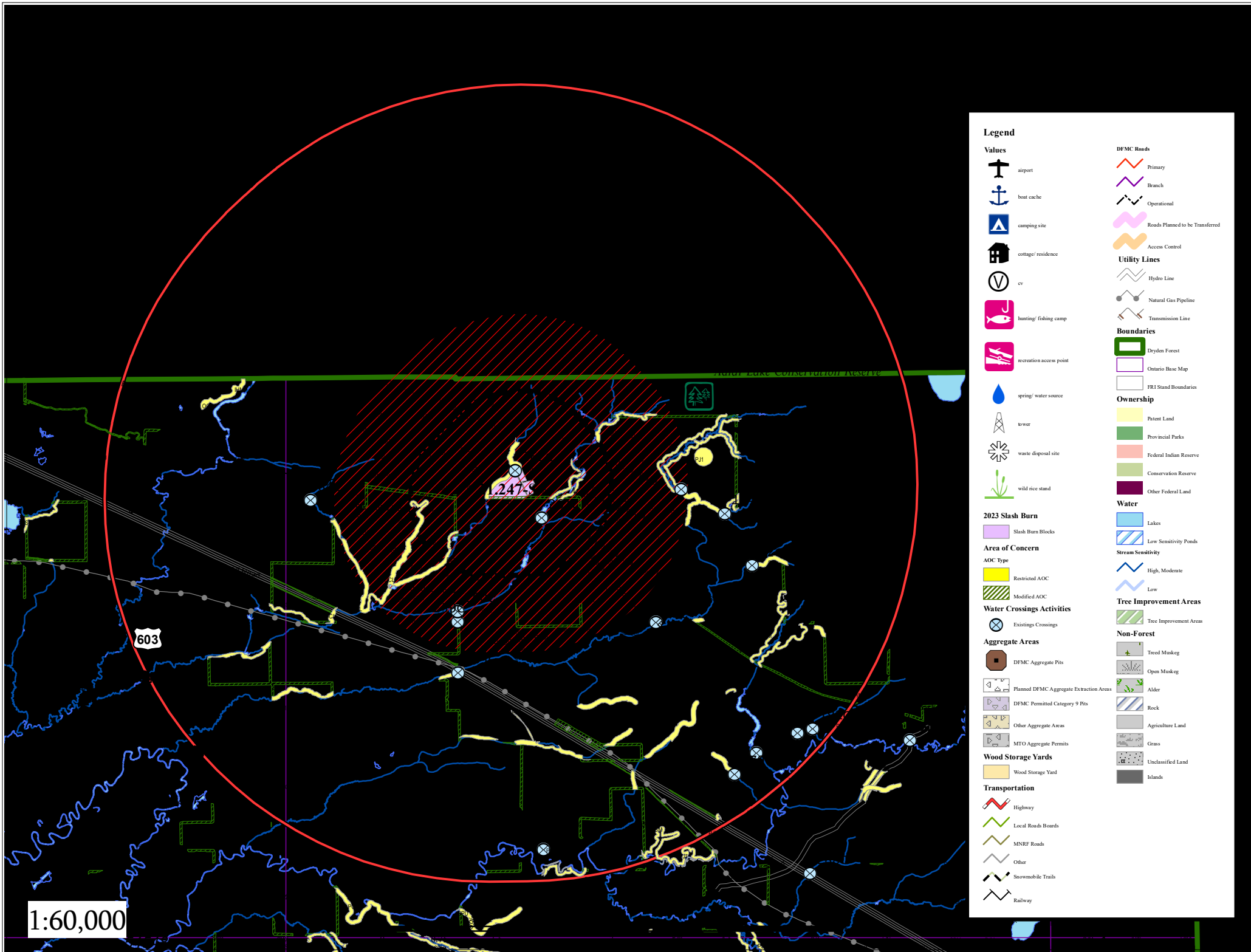




Legend

Values	DFMC Roads
airport	Primary
boat cache	Branch
camping site	Operational
cottage/residence	Roads Planned to be Transferred
cv	Access Control
hunting/fishing camp	Utility Lines
recreation access point	Hydro Line
spring/water source	Natural Gas Pipeline
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wild rice stand	Dryden Forest
2023 Slash Burn	Ontario Base Map
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MNR Roads	Open Muskeg
Other	Alder
Snowmobile Trails	Rock
Railway	Agriculture Land
	Grass
	Unclassified Land
	Islands

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Legend

Values

airport

boat cache

camping site

cottage/residence

cv

hunting/fishing camp

recreation access point

spring/water source

tower

waste disposal site

wild rice stand

2023 Slash Burn

Slash Burn Blocks

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MNR Roads

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Railway

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Ontario Base Map

FRI Stand Boundaries

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Provincial Parks

Federal Indian Reserve

Conservation Reserve

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Low Sensitivity Ponds

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Tree Improvement Areas

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Non-Forest

Treed Muskeg

Open Muskeg

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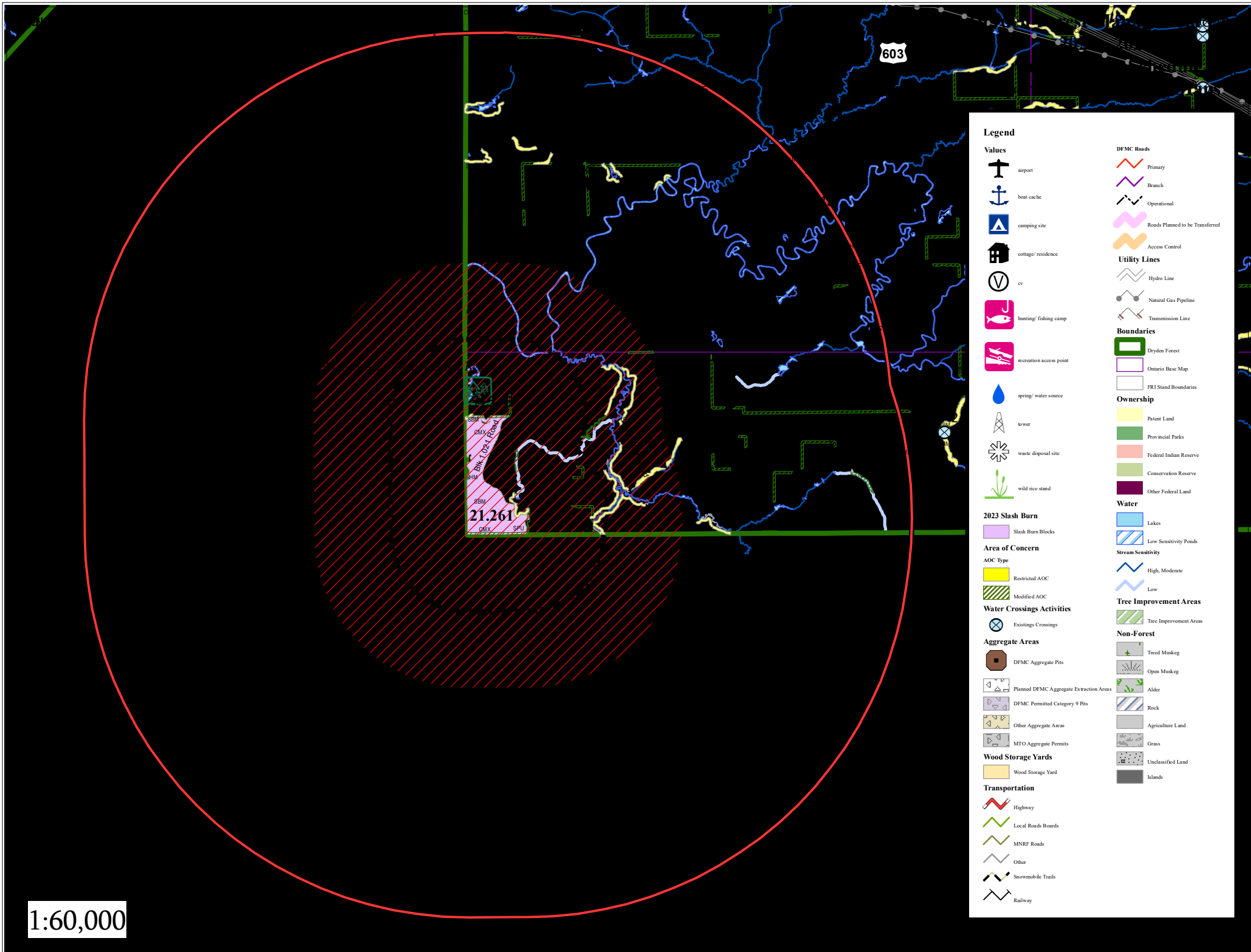
Rock

Agriculture Land

Grass

Unclassified Land

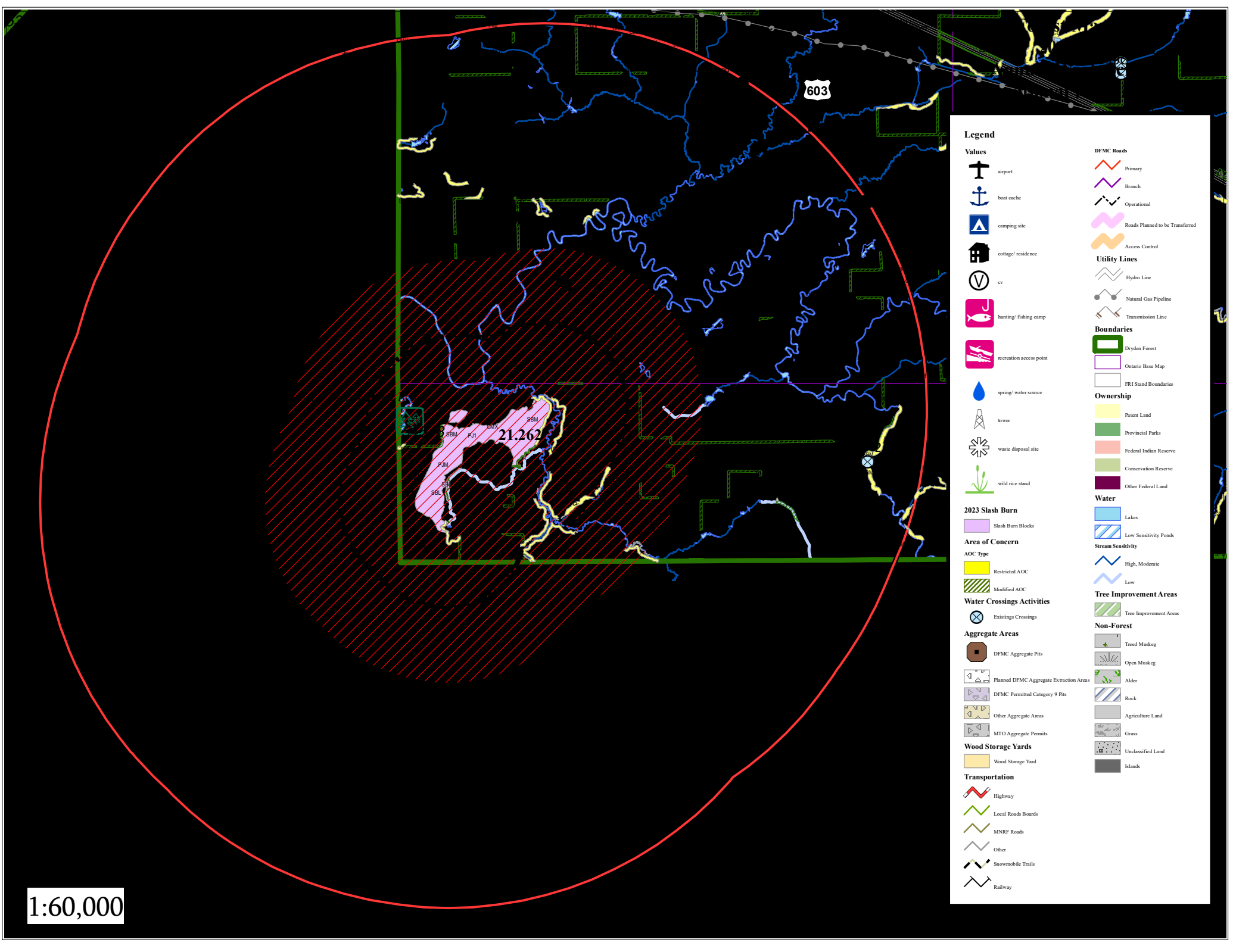
Islands



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cottage/residence

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Snowmobile Trails

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2023 Slash Burn

- Slash Burn Blocks

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- FR1 Stand Boundaries

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Water

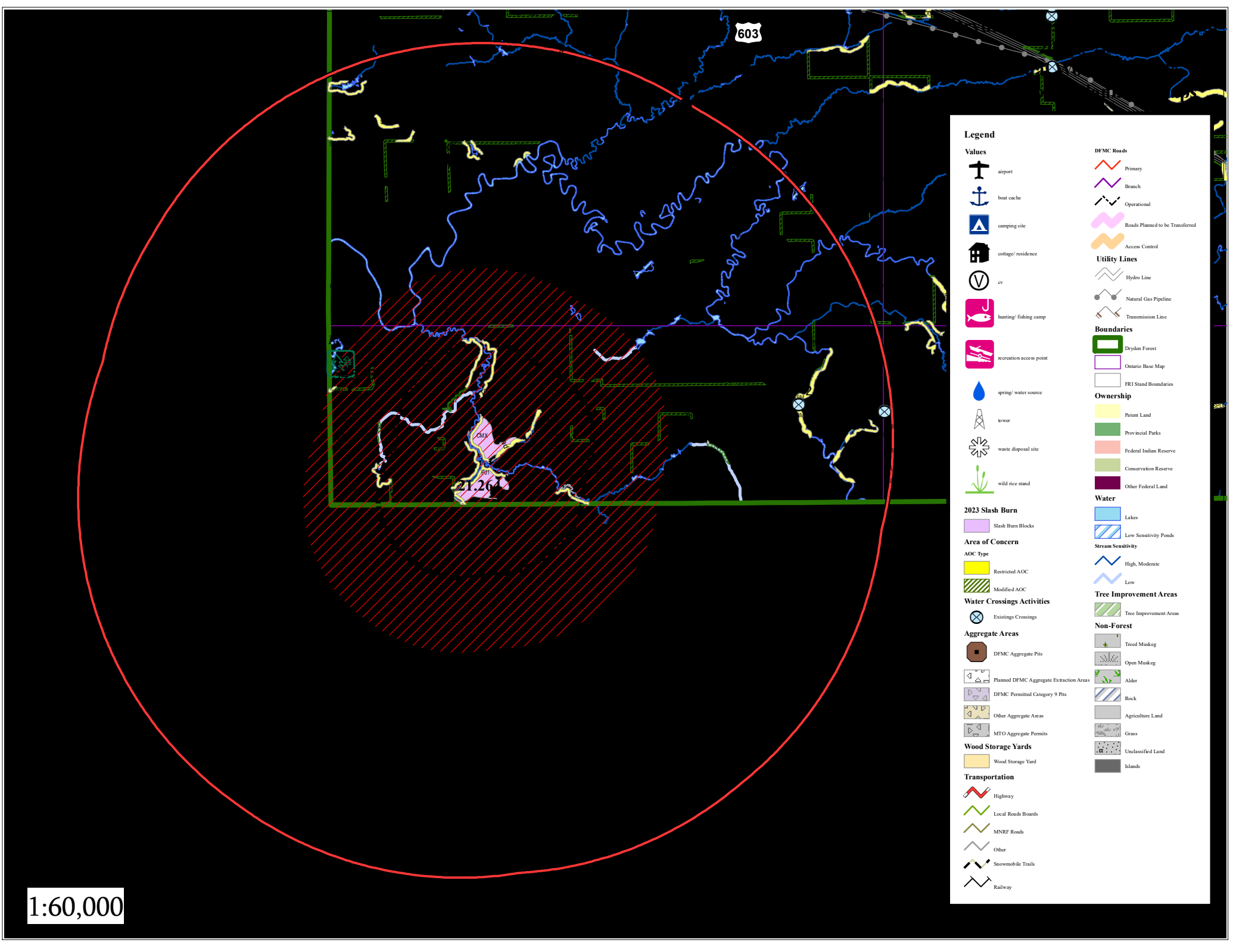
- Lakes
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- Stream Sensitivity
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Tree Improvement Areas

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Non-Forest

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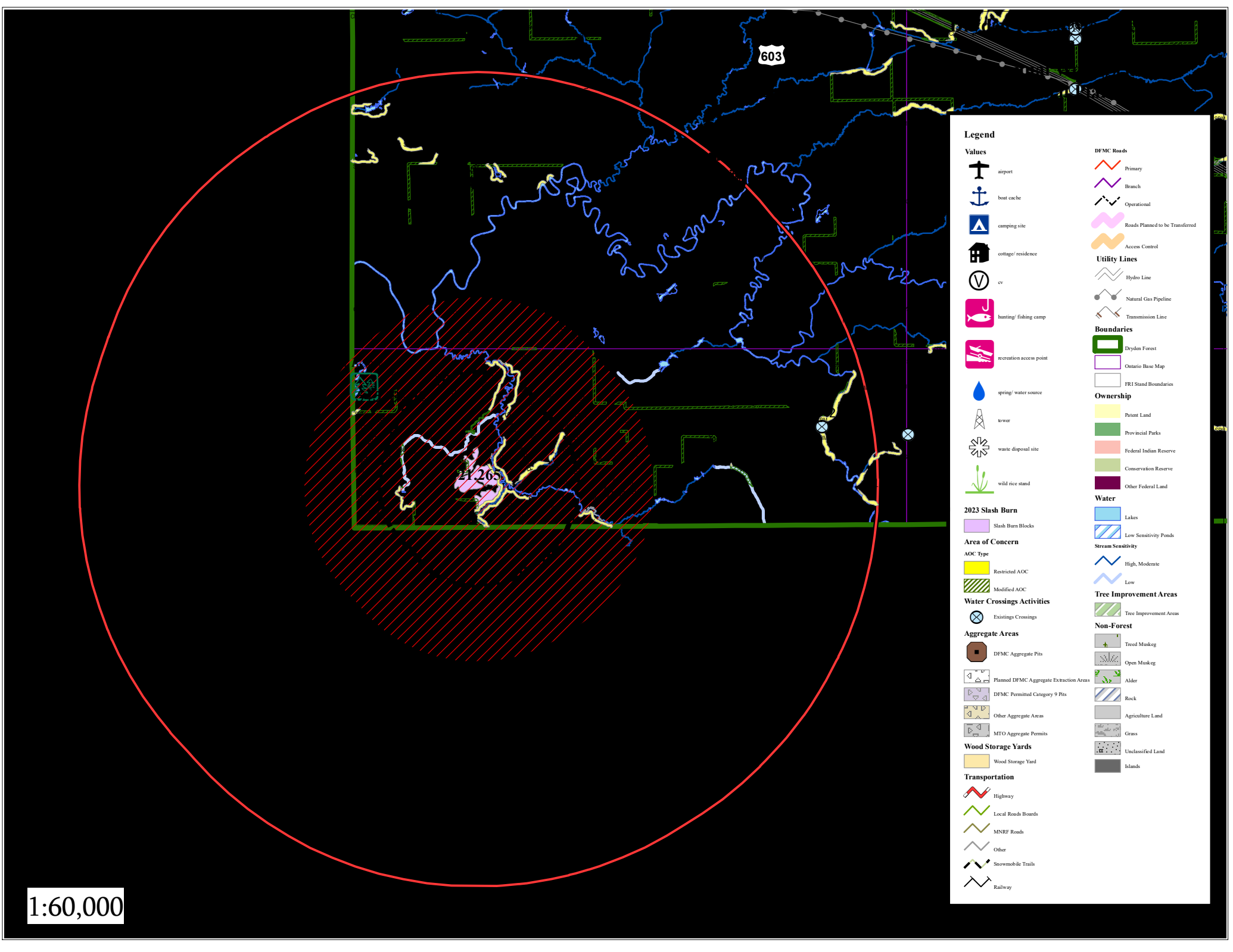
Wood Storage Yards

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