MANAGEMENT UNIT NAME: NAGAGAMI FOREST
PLAN PERIOD: April 1, 2021 to March 31, 2031

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

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AOC ID	Group AOC	Description of value		
APA	Yes	Archeological Potential Area. Archaeological potential areas are identified when their characteristics (ex. soil, topography) indicate there is a higher probability that an archaeological site(s) exists within them. Therefore, the top 30 cm of mineral soil must be protected since most archaeological sites contain subsurface features lying within this depth. Protection of Archaeological Potential Areas centres on the ability to minimize mineral soil disturbance while conducting forest operations.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	APA - Archeological Potential Areas Within the identified area, one of the following will be done: • A reserve in which Harvest, renewal, and tending operations are not permitted; • Operations where harvest, skidding and renewal activities do not cause more than 5% mineral soil disturbance (on a weighted average basis) within the harvested portion of the AOC within the block. Skid trails will also minimize the distance out of the AOC and sharp corners will be avoided. For more information on rutting and compaction refer the CRO for rutting and compaction (xxi). • Within blowdown areas, the mineral soil disturbance (weighted average) may exceed 5% within the AOC. Root mats are to be put back in place wherever possible. • No reserve is required If a Ministry of Heritage, Sport, Tourism, Culture and Industries (MHSTCI) stage 2 archaeological assessment is completed, nothing is found and it is recommended that regular operations can proceed and the MHSTCI has reviewed the report and agreed. If the protection measures for an area of archaeological potential are not complied with, operations must cease immediately within the area of concern, and a stage 2 archaeological assessment per the Ontario Ministry of Heritage, Sport, Tourism, Culture and Industries's current standards and guidelines for consultant archaeologists shall occur.		Forest Management Guide for Cultural Heritage Values OMNRF 2007, Section 3.3	No

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	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing	Public Comment	Exception
	Conditions on Location, Construction or Use		
	i. No new Primary roads, Branch Roads, and landings will be permitted within the AOC, pending the completion of the appropriate stage of archaeological assessment and subsequent review and approval by the Ministry of Heritage, Sport, Tourism, Culture and Industries (MHSTCI). ii. No conditions on existing roads and landings		
	C: Operational Roads and Landings		
	Planned or Existing	Public Comment	Exception
	Conditions on Location, Construction or Use		
	i. No new operational roads or landings will be permitted within the AOC, pending the completion of the appropriate stage of archaeological assessment and subsequent review and approval by the Ministry of Heritage, Sport, Tourism, Culture and Industries (MHSTCI) ii. No conditions on existing roads and landings		
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		
	i. No new aggregate pits will be constructed within the AOC, or within 15m of the boundary of the AOC.		

AOC ID	**Group AOC**	**Description of value**
BAT	Yes	Bat hibernacula known to be suitable and to have been used at least once within the past 20 years by: - Any bat overwintering in Ontario - Any bat otherwise identified as significant by MNRF.
	A. Operational Prescriptions for areas of concern	

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	Operational Prescription	Source	Exception
	BAT - Bat Hibernacula 200-meter radius AOC centered on the entrance to the hibernaculum. **Reserve: 0-100 meters** • Harvest, renewal, and tending operations are not permitted. **Modified: 101-200 meters** • Harvest, renewal, or tending operations that retain residual forest are permitted in this zone OUTSIDE the hibernation and associated entrance and emergence period of September 1 to May 30.	Forest Management Guide for Conserving biodiversity at the Stand and Site Scale, OMNRF 2010 (pages 99-100)	No
	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. New primary or branch roads & landings are not permitted within the 0-100 m reserve. ii. Reasonable efforts will be made to avoid constructing new roads and landings within the 101-200m modified zone. iii. Primary and branch road construction, hauling & road maintenance operations are not permitted within the 200-meter AOC during the *hibernation and associated entrance and emergence periods,* unless the road predates the hibernaculum, or is required for safety reasons or environmental protection.		
	C: Operational roads and landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	i. New operational roads & landings are not permitted within the 0-100 m reserve. ii. Reasonable efforts will be made to avoid constructing new roads and landings within the 101-200m modified zone. iii. Operational road construction, hauling & road maintenance operations are not permitted within the 200-meter AOC during the hibernation and associated entrance and emergence periods (September 1 to May 30), unless the road predates the hibernaculum, or is required for safety reasons or environmental protection. iv. The seasonal timing restriction will be the only condition applied to Existing roads and landings.		
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		
	i. New aggregate pits are not permitted within the 0-100m reserve. ii. Reasonable effort will be made to avoid establishing aggregate pits within the 101-200m modified zone. iii. Aggregate extraction is not permitted within the 200-meter AOC during the hibernation and associated entrance and emergence periods (September 1 to May 30). iv. No additional conditions on aggregate pits outside of the seasonal timing restriction window.		

AOC ID	Group AOC	Description of value		
BGC	Yes	Bonaparte Gull Colony. Active colonies of Bonaparte's Gull that are known or suspected to have been occupied at least once within the past 5 years (unless documented as unoccupied for ≥3 consecutive years). Direction applies to colonies known before, or found during, operations.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	BGC - Bonaparte's Gull Colony 150-meter AOC measured from peripheral nests.		Forest Management Guide for Conserving	No

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	Reserve: 0-150 meters • Harvest, renewal, and tending operations are not permitted. **Modified: None**	Biodiversity at the Stand and Site Scale, OMNRF 2010 (pages 75-76)	
	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. No new primary roads, branch roads, and landings within 150 meters of occupied nests, unless required to address significant safety or environmental protection issues. ii. <u>During the critical breeding period (May 1 to August 31)</u>, operations associated with primary roads, branch roads, and landings are not permitted within 150 metres of occupied nests within colonies, unless required to address significant safety or environmental protection issues. iii. If the road predates the colony, there is no timing restriction on hauling or low potential impact road maintenance operations (e.g. grading). iv. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	C: Operational roads and landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. No new operational roads and landings within 150 meters of occupied nests, unless required to address significant safety or environmental protection issues ii. <u>During the critical breeding period (May 1 to August 31)</u>, operations associated with operational roads and landings are not permitted within 150 metres of occupied nests within colonies, unless required to address significant safety or environmental protection issues.		

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	iii. If the road predates the colony, there are no timing restriction on hauling or low potential impact road maintenance operations (e.g. grading). iv. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		
	i. No new aggregate pits within 150 metres of the occupied nests within active colonies. ii. During the critical breeding period (May 1 to August 31), operations associated with aggregate pits are not permitted within 150 metres of occupied nests within colonies.		

AOC ID	Group AOC	Description of value		
BMS	Yes	Bear Management Station. This AOC is intended to protect Licensed Bear Management Area tree stands that belong to Resource Based Tourism Operators. To receive protection, locations of tree stands must be provided during the annual work schedule public review period and/or during planning of proposed operations. If stands are to be protected, spatial data must be provided to and approved by MNRF on a yearly basis. Additionally, Bear stands must be declared either active or inactive by the bear management station licensee when the spatial data are provided to MNRF. Bear Stands That are not declared active or inactive will be treated as inactive (i.e. will not receive protection).		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	BMS - Bear Management Station 30-meter AOC centered on the waypoint provided by Operator. **Reserve: 0-30 meters** • Harvest, Renewal, and Tending operations are not permitted within the AOC.		Developed by the 2021-31 Planning team	No

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	Modified: None		
	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. New primary roads, branch roads, and landings are not permitted within the 0-30m reserve; however, operators may be inclined to move their respective bear management stations if new roads or landings provide additional benefits. ii. Operations associated with primary roads, branch roads, and landings are not permitted within the 0-30m reserve. iii. There is no timing restriction on hauling or low potential impact road maintenance operations (e.g., grading). iv. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. New operational roads or landings are not permitted within the 0-30m reserve however, operators may be inclined to move their respective bear management stations if new roads or landings provide additional benefits. ii. Operations associated with operational roads and landing construction are not permitted within the 0-30m reserve. iii. There is no timing restriction on hauling or low potential impact road maintenance operations (e.g., grading). iv. No conditions on existing roads and landings		
	D: Forestry Aggregate Pits		

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	Planned or Existing	Exception
	Conditions on Location, Construction or Use	
	i. New aggregate pits are not permitted within the 0-30m reserve. ii. Operations associated with aggregate pits are not permitted within the 0-30m reserve, unless the station has been erected after the establishment of an aggregate pit.	

AOC ID	**Group AOC**	**Description of value**		
BSC	Yes	Bank Swallow Colony. Active colonies of the Bank Swallow known or suspected to have been occupied at least once within the past 5 years (unless documented as unoccupied for ≥3 consecutive years). Direction is applied to colonies known before, or found during, operations.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	BSC - Bank Swallow Colony 50-meter AOC measured from peripheral nests. **Reserve: None** **Modified: 0-50 metre** • <u>During the critical breeding period (May 1 to July 31)</u>, harvest, renewal, and tending operations are permitted based on the potential impact of the activity. *Refer to the impact table below.* • Harvest, renewal or tending operations that may damage or destroy nests, or in any way alter the slope face in which the nests are constructed are not permitted. **Impact Table:**		Forest Management Guide for Conserving Biodiversity at the Stand and Site Scale, OMNRF 2010 (pages 76-77)	No

Potential Impact	**No operations within**
High	50m
Moderate	25m
Low	10m

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	***High** = harvesting, road construction, site preparation, large scale tree plant (>=5 people), **Moderate** = Small Tree Plant (<5 people), **Low** = aerial application of herbicides, boundary marking, hauling, road maintenance. Refer to page 192-193 of the stand and site guide for full definitions.*		
	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. New primary roads, branch roads, and landings are not permitted within 50 metres of active colonies; ii. <u>During the critical breeding period (May 1 to July 31)</u>, Operations associated with primary roads, branch roads, and landings are not permitted within 50 metres of occupied nests within colonies, unless required to address safety or environmental protection issues. iii. There is no timing restriction on hauling or low potential impact road maintenance operations (e.g., grading) if the road predates the colony. iv. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. New operational roads and landings are not permitted within 50 metres of active colonies; ii. <u>During the critical breeding period (May 1 to July 31)</u>, Operations associated with operational roads and landings are not permitted within 50 metres of occupied nests within colonies, unless required to address safety or environmental protection issues. iii. There is no timing restriction on hauling or low potential impact road maintenance operations (e.g., grading) if the road predates the colony. iv. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		

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	D: Forestry Aggregate Pits	
	Planned or Existing	Exception
	Conditions on Location, Construction or Use	
	i. Aggregate extraction is permitted within the AOC subject to timing restrictions. ii. During the critical breeding period (May 1 to July 31), operations associated with aggregate pits are not permitted within 50 meters of occupied nests within colonies.	

AOC ID	**Group AOC**	**Description of value**		
BSN	Yes	All nests and colonies on natural nest sites. The average distance between active nests within a colony is approximately 2 to 4 metres. All used nests at any nest site that has been occupied by Barn Swallows within the previous three breeding seasons. Direction applies to nests know before, or found during operations.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	BSN - Barn Swallow Nests and Colonies 5-meter AOC measured from peripheral nests. **Reserve: None** **Modified: 0-5 metre** • During the critical breeding period (May 1 to August 31), harvest, renewal, and tending operations are not permitted. • Outside of the critical breeding period, Harvest renewal, and tending operations are permitted, provided nests are not removed or destroyed.		2018-28 White river forest FMP	No
	B: Primary Roads, Branch Roads, and Landings			
	Planned or Existing			Exception

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	Conditions on Location, Construction or Use	Public Comment	
	i. Maintenance is not permitted on a structure that is supporting nests if the maintenance will potentially disturb nesting pairs. ii. If maintenance must occur during the breeding season, contact MNRF for protocols.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. New roads and landings are not permitted within 50 metres of active colonies. ii. Operations associated with roads and landings are not permitted within 50 metres of occupied nests within colonies during the critical breeding period, unless required to address safety or environmental protection issues. iii. There is no timing restriction on hauling or low potential impact road maintenance operations (e.g., grading) if the road predates the colony. iv. Maintenance is not permitted on a structure that is supporting nests if the maintenance will potentially disturb nesting pairs. v. If maintenance must occur during the breeding season, contact MNRF for protocols		
	D: Forestry Aggregate Pits		
	Planned or Existing Conditions on Location, Construction or Use		Exception
	i. Aggregate extraction is permitted within the AOC outside of the critical breeding period. ii. <u>During the critical breeding period (May 1 to July 31)</u>**,** operations associated with aggregate pits are not permitted within 50 meters of occupied nests.		

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AOC ID	Group AOC	Description of value		
CAB	Yes	Trappers Cabin. Protection is applied to the building location in the field if the location provided by LIO is inaccurate.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	CAB - Trappers Cabin 120-meter AOC measured from the center of the structure. **Reserve: 0-30 meters** • Harvest, renewal, and tending operations are not permitted, unless agreed to by the structure owner, the SFL holder, and MNRF. **Modified: 31-120 meters** • Aerial spraying is not permitted (site preparation or tending). All other harvest and renewal activities are permitted.		Developed by the 2021-31 Planning team	No
	B: Primary Roads, Branch Roads, and Landings			
	Planned or Existing		Public Comment	Exception
	Conditions on Location, Construction or Use			
	i. New Primary roads, Branch Roads, and landings are not permitted within the AOC, unless agreed to by the structure owner, the SFL holder, and the MNRF. ii. No conditions on existing roads and landings			
	C: Operational Roads and Landings			
	Planned or Existing		Public Comment	Exception
	Conditions on Location, Construction or Use			

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	i. New operational roads or landings are not permitted within the AOC, unless agreed to by the structure owner, the SFL holder, and the MNRF. ii. No conditions on existing roads and landings.		
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		
	i. New aggregate pits are not permitted within the 0-120m AOC, or within 15 meters of the boundary of the AOC.		

AOC ID	**Group AOC**	**Description of value**		
CALV	Yes	Caribou Calving and Nursery Areas that are in suitable condition.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	CALV - Caribou Calving and Nursery Areas 1000-meter AOC measured from the edge of the category 1 nursery area. **Reserve: Calving and Nursery area (as mapped)** • Forestry operations are not permitted. **Modified: 0-1000 meters** • <u>During the calving and nursery period (May 1 to August 15)</u> harvest, renewal and tending activities are not permitted.		Pg 51-53 of the Forest Management Guide for Boreal Landscapes.	No
	B: Primary Roads, Branch Roads, and Landings			
	Planned or Existing		Public Comment	Exception
	Conditions on Location, Construction or Use			

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	i. New primary and branch roads are not permitted within the Calving and nursery area (as mapped). ii. During the calving and nursery period (May 1 to August 15), Primary and Branch road construction is not permitted within the 0-1000m modified zone. iii. Primary and branch roads that fall within the 0-1000m modified zone will be decommissioned and regenerated as quickly as is feasible following the completion of forestry operations and monitoring activities. iv. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. New operational roads are not permitted within the Calving and nursery area (as mapped). ii. During the calving and nursery period (May 1 to August 15), Primary and Branch road construction is not permitted within the 0-1000m modified zone. iii. Operational roads that fall within the 0-1000m modified zone will be decommissioned and regenerated as quickly as is feasible following the completion of forestry operations and monitoring activities. iv. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	D: Forestry Aggregate Pits		
	Planned or Existing Conditions on Location, Construction or Use		Exception
	i. Aggregate pits are not permitted within the Calving and Nursery Area (as mapped), or within 15 meters of the boundary. ii. During the calving and nursery period (May 1 to August 15), Aggregate extraction is not permitted 0-1000m modified zone.		

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AOC ID	**Group AOC**	**Description of value**		
CO	Yes	Remote and non-remote Cottages.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	CO - Cottage (remote and non-remote) 120-meter AOC measured from the edge of the surveyed property boundary. This protection is applied to cottages that occur on patent land and land use permit parcels. Protection on land use permits is applied to all parcels tagged as “Private Recreation camp” in the spatial data provided by LIO **Reserve: 0-120m** • harvest, renewal, and tending operations are not permitted. **Modified: none**		Developed by the 2021-31 Planning team	No
	B: Primary Roads, Branch Roads, and Landings			
	Planned or Existing Conditions on Location, Construction or Use		Public Comment	Exception
	i. New Primary roads, Branch Roads, and landings are not permitted within the 0-120m AOC. ii. No conditions on existing roads and landings.			
	C: Operational Roads and Landings			

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	Planned or Existing	Public Comment	Exception
	Conditions on Location, Construction or Use		
	i. New operational roads or landings are not permitted within the 0-120m AOC. ii. No conditions on existing roads and landings		
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		
	i. New aggregate pits are not permitted within the 120-meter AOC, or within 15 meters of the boundary of the AOC.		

AOC ID	**Group AOC**	**Description of value**		
CCH	Yes	Confidential Cultural Heritage Values. All cultural heritage reserves must not be marked in any way that draws undue attention to it, (ex. Use the same flagging tape to mark a CH AOC as any other AOC). In the event of discovery of any Cultural Heritage Values during operations all work in the area must immediately stop and district MNRF staff will be contacted as per the Forest Management Planning Manual. *Archeological sites will not be depicted on maps available to the public. Historical Aboriginal Values will not be depicted on maps available to the public unless the appropriate aboriginal community has been consulted. Locations will be available for Line markers and logging supervisors so they are may identify the area of concern boundary on the ground.*		
	A. Operational Prescriptions for areas of concern			
	Operational prescription		Source	Exception
	CCH - Confidential Cultural Heritage Values **<u>CCH-1: Archaeological Sites</u>** 200-meter AOC centered on the center of the site.		Forest Management Guide for Cultural Heritage Value, OMNRF 2007,	No

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	Reserve: 0-200 meters • Harvest, renewal, and tending operations are not permitted. • if a Ministry of Heritage, Sport, Tourism, Culture and Industries (MHSTCI) archaeological assessment/excavation has been completed and determined that a reserve is not required, no reserve will be applied. • if a Ministry of Heritage, Sport, Tourism, Culture and Industries (MHSTCI) archaeological assessment/excavation has been completed and delineated the specific site boundaries, a minimum 10 m reserve extending from the site boundaries is required. No harvest renewal or tending are permitted within the 10m reserve. **Reserve: 0-10 meters** • Harvest, renewal, and tending operations are not permitted. **CCH-2: Historical Aboriginal Values** • Identified values will be protected by an AOC, the size of which will be determined on a case by case basis. Members of the planning team will work with a qualified individual to determine the appropriate plan of protection for an identified value. • If the protection measures for a Historical Aboriginal Value are not complied with, operations must cease immediately within the area of concern, and the appropriate aboriginal community must be contacted to determine if any damages can be mitigated.	Sections 3.2, 3.3, 3.4, 3.4, 3.6 and 3.7	
	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. For all classes of cultural heritage values, no new primary roads, branch roads, and landings will be permitted within the AOC, pending the completion of the appropriate stage of archaeological assessment and subsequent review and approval by the MHSTCI. ii. For archeological sites, maintenance and use of existing primary or branch roads is permitted within the reserve, unless otherwise specified by the MHSTCI or MNRF.		

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	iii. No additional conditions on existing roads and landings.		
	C: Operational Roads and Landings		
	Planned or Existing	Public Comment	Exception
	Conditions on Location, Construction or Use		
	i. For all classes of cultural heritage values, no new operational roads or landings will be permitted within the AOC, pending the completion of the appropriate stage of archaeological assessment and subsequent review and approval by the MOC. ii. For archeological sites, maintenance and use of existing operational roads is permitted within the reserve, unless otherwise specified by the MOC or MNRF. iii. No additional conditions on existing roads and landings		
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		
	i. For all classes of cultural heritage values, no new aggregate pits are permitted within the AOC, or within 15m of the boundary of the AOC.		

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

AOC ID	Group AOC	Description of value		
NCCH	Yes	Non-Confidential Cultural Heritage Values. All cultural heritage reserves must not be marked in any way that draws undue attention to it, (ex. Use the same flagging tape to mark a CH AOC as any other AOC). In the event of discovery of any Cultural Heritage Values during operations all work in the area must immediately stop and district MNRF staff will be contacted as per the Forest Management Planning Manual.		
	A. Operational Prescriptions for areas of concern			
	Operational prescription		Source	Exception
	NCCH - Non-Confidential Cultural Heritage Values **<u>NCCH-1: Cultural Heritage Landscapes - Polygon and Line Feature</u>** 10-meter AOC measured from the boundary of the value. Reserves for structural remains must encircle all associated remains and features with the 10m reserve. **Reserve: 0-10 meters** • Harvest, renewal, and tending operations are not permitted. • Harvesting adjacent to the reserve will be conducted such that no trees or other debris fall on known values. • A reserve may not be required pending the completion of the appropriate stage of archaeological assessment and subsequent review and approval by the MOC. **<u>NCCH-2: Cemeteries</u>** 15-meter AOC measured from the boundary of the value. **Reserve: 0-15 meters**		Forest Management Guide for Cultural Heritage Value, OMNRF 2007, Sections 3.2, 3.3, 3.4, 3.4, 3.6 and 3.7	No

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	• No harvest, tending, or renewal activities are permitted, unless directed otherwise by the Registrar of Cemeteries. • Protection measures must include cemetery markers, as well as the land in which the internments are located.		
	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. For all classes of cultural heritage values, no new primary roads, branch roads, and landings will be permitted within the AOC, pending the completion of the appropriate stage of archaeological assessment and subsequent review and approval by the MOC. ii. Maintenance and use of existing roads are permitted.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. For all classes of cultural heritage values, no new operational roads or landings will be permitted within the AOC, pending the completion of the appropriate stage of archaeological assessment and subsequent review and approval by the MOC. ii. Maintenance and use of existing roads are permitted.		
	D: Forestry Aggregate Pits		
	Planned or Existing Conditions on Location, Construction or Use		Exception
	ii. For all classes of cultural heritage values, no new aggregate pits are permitted within the AOC, or within 15m of the boundary of the AOC.		

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FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

AOC ID	**Group AOC**	**Description of value**		
CRA	Yes	Canoe Route - Category A (CRA). This AOC prescription applies to the Kabinakagami River, Portions of Kabinakagami Lake, Nameigos River, Oba River, and Foch River.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	CRA - Canoe Route (Category A) 500-meter AOC measured from the productive forest edge of the canoe route. For mapping purposes, the AOC will be measured from polygons identified as productive forest (NOT polygons identified as treed muskeg, swamp, or brush). If the inner edge of the AOC will be ≥ 300 m from the shoreline of a lake or pond when these criteria are used, an AOC is not required adjacent to those sections of shoreline, unless the intervening wetland is known to provide components of fish habitat for which there is a high species' dependence (e.g. spawning habitat). In order maintain a forested appearance, a viewscape analysis was conducted to identify areas where bear ground would be visible from the perspective of the water should the harvest area be completely depleted. These areas are defined as being "visible from the river" and were treated as viewscape reserves. **Reserve: 0-90 meters** • Harvest, renewal, and tending operations are not permitted. **Modified: 91-500 meters** • *In areas visible from the river:* ○ Harvest, renewal, and tending are not permitted. • *In areas not visible from the river:*		Wawa District Crown Land Use Harmonization Management Guidelines (2015) (pages 45-46)	No

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	○ Harvest, renewal, and tending operations are permitted • Aerial tending will not be permitted within areas visible from the river to a maximum of 500 meters to maintain a forested appearance. **Additionally, portages will:** • Be cleared of slash and other debris when road-building activities intersect. • Not be disturbed outside the road right of way. • Be levelled within the road right of way to provide adequate footing • Be protected in a manner that leaves them visible from either side of the road		
	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. No new primary or branch roads within the 0-90 meter no cut reserve unless a water crossing is required and there is no feasible alternative. ii. The maximum ROW will be 20m where the road crosses through the 0-90m reserve. iii. Portages will be cleared of logging debris where crossed by roads. iv. Portages will be clearly visible from both sides of the road v. Portages will be leveled with the right of way to provide adequate footing.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. No new operational roads within the 0-90m no cut reserve unless a water crossing is required and there is no feasible alternative. ii. The maximum ROW will be 20m where the road crosses through the 0-90m reserve. iii. Portages will be cleared of slash and debris after road building across them is completed. Portages will be clearly visible from both sides of the road and leveled with the right of way.	No	

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	iv. Operational roads permitted within the 91-500m modified zone. v. In the 91-500m modified zone, the maximum ROW width is not restricted if it falls within a harvest allocation in which harvesting, renewal, and tending operations are permitted.		
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		
	i. No new aggregate pits will be constructed within the AOC, or within 15m of the boundary of the AOC.		

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FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

AOC ID	Group AOC	Description of value		
CRB	Yes	Canoe Route - Category B (per CLUAH 2015). This prescription is applied to Canoe routes that travel through Larkin Lake, Nagagami Lake and White Owl Lake		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	CRB - Canoe Route (Category B) 30-metere AOC measured from the productive forest edge of the canoe route. For mapping purposes, the AOC will be measured from polygons identified as productive forest (NOT polygons identified as treed muskeg, swamp, or brush). If the inner edge of the AOC will be ≥ 300 m from the shoreline of a lake or pond when these criteria are used, an AOC is not required adjacent to those sections of shoreline, unless the intervening wetland is known to provide components of fish habitat for which there is a high species' dependence (e.g. spawning habitat). **Reserve: 0-30 meters** • Harvest, renewal, and tending is not permitted **Additionally, portages will:** • Be cleared of slash and other debris when road-building activities intersect. • Not be disturbed outside the road right of way. • Be levelled within the road right of way to provide adequate footing • Be protected in a manner that leaves them visible from either side of the road		CLUAH 2015	No
	B: Primary Roads, Branch Roads, and Landings			
	Planned or Existing		Public Comment	Exception

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	Conditions on Location, Construction or Use		
	i. No new Primary roads, branch roads are permitted within the AOC, unless a water crossing is required and there is no feasible alternative. ii. Road ROW width will not exceed 20 meters where the road crosses through the AOC. iii. No new landings will be constructed within the AOC. iv. Portages will be cleared of logging debris where crossed by roads. v. Portages will be clearly visible from both sides of the road and level with the right of way.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. No new operational roads are permitted within the AOC unless a water crossing is required and there is no feasible alternative. ii. Road ROW width will not exceed 20 meters where the road crosses through the AOC. iii. No new landings will be constructed within the AOC. iv. Portages will be cleared of logging debris where crossed by roads. v. Portages will be clearly visible from both sides of the road and level with the right of way.		
	D: Forestry Aggregate Pits		
	Planned or Existing Conditions on Location, Construction or Use		Exception
	i. No new aggregate pits will be constructed within the AOC, or 15m from the boundary of the AOC.		

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FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

AOC ID	Group AOC	Description of value
CSR	Yes	Direction for common stick-nesting raptors is provided for nests that are known or suspected (with a high degree of certainty) to be occupied or built by the Barred Owl, Broad-Winged Hawk, Common Raven, Cooper's Hawk, Great Horned Owl, Long-eared Owl, Merlin, Red-Tailed Hawk, and Sharp-Shinned Hawk. Direction is also provided for unknown stick nests for which the builder has not been identified, but is unlikely to be the Northern Goshawk or Red-shouldered Hawk. If a nest is no longer usable because it has fallen out of the tree, the tree has fallen down, or the tree has become otherwise unsuitable for nesting, treat as a value that no longer exists.

Source: Forest Management Guide for Conserving Biodiversity at the Stand and Site Scale, OMNRF 2010 (pages 82-84)

Exception: No

A. Operational Prescriptions for areas of concern

Operational Prescription

CSR - Common stick nesting raptor

50 to 200-meter AOC centered on occupied nests

Reserve: 10-200 meters, depending on the species and potential impact of the operation. *Refer to the impact table below.*

- Harvest, renewal, and tending operations are not permitted.

Impact Table:

AOC-ID	SPECIES	Harvest, renewal, tending options outside of the critical breeding season	AOC Radius (m)	Critical Breeding Period	Critical Period Timing Impact Zone(m)*		
					High	Mod.	Low
CSR-1	Cooper's Hawk	No harvest within 20 m nest	100	Apr 1- July 31	100	50	25
CSR-2	Barred Owl	No harvest within 20 m nest	200	Mar 15- July 15	200	100	50
CSR-3	Merlin/Sharp-Shinned Hawk	Allowed-Retain nest tree	50	Apr 1- July 31	50	25	10
CSR-4	Long-Eared Owl/Red-Tailed Hawk	No harvest within 20 m nest	100	Mar 15- July 15	100	50	25
CSR-5	Great Horned Owl	No harvest within 20 m nest	100	Feb 1- May 31	100	50	25

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

CSR-6	Common Raven	No harvest within 20 m nest	50	Feb 15 - June 15	50	25	10
CSR-7	Unknown Small Stick nest <75cm	Allowed-Retain nest tree	-	-	-	-	-
CSR-8	Unknown Large Stick nest >75cm	No harvest within 20 m nest	20	-	-	-	-
CSR-9	Broad-winged Hawk	Allowed-Retain nest tree	100	Apr 1- July 31	100	50	25

***High** = harvesting, road construction, site preparation, large scale tree plant (>=5 people), **Moderate** = Small Tree Plant (<5 people), **Low** = aerial application of herbicides, boundary marking, hauling, road maintenance. Refer to page 192-193 of the stand and site guide for full definitions.*

B: Primary Roads, Branch Roads, and Landings

Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
i. New primary roads, branch roads, and landings will not be constructed within 20 meters of occupied or unoccupied nests of the barred owl (CSR-2), Cooper's hawk (CSR-1), common raven (CSR-6), great horned owl (CSR-5), long eared owl (CSR-4), red-tailed hawk (CSR-4). ii. Reasonable efforts will be made to avoid constructing new primary roads, branch roads, and landings within 20 meters of occupied or unoccupied nests of the broad-winged hawk (CSR-9), merlin (CSR-3), and sharp-shinned hawk (CSR-3). iii. During the critical breeding period (Refer to impact table), Operations associated with primary roads, branch roads, and landings are not permitted within 200 meters of occupied nests depending upon the species and severity of potential impacts. iv. No timing restriction on operations associated with primary roads, branch roads, and landings around unoccupied nests. v. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		

C: Operational Roads and Landings

Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
i. New operational roads and landings will not be constructed within 20 meters of occupied or unoccupied nests of the barred owl (CSR-2), Cooper's hawk (CSR-1), common raven (CSR-6), great horned owl (CSR-5), long eared owl (CSR-4), red-tailed hawk (CSR-4).		

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	ii. Reasonable efforts will be made to avoid constructing new operational roads and landings within 20 meters of occupied or unoccupied nests of the broad-winged hawk (CSR-9), merlin (CSR-3), and sharp-shinned hawk (CSR-3). iii. During the critical breeding period (Refer to impact table), operations associated with operational roads and landings are not permitted within 200 meters of occupied nests, depending upon the species and severity of potential impacts. iv. No timing restriction on operations associated with operational roads and landings around unoccupied nests. v. The seasonal timing restrictions will be the only condition applied to Existing roads and landings vi. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		
	i. Aggregate material may not be removed within 15m of the boundary of the AOC ii. New aggregate pits will not be constructed within 20 meters of occupied or unoccupied nests of the barred owl (CSR-2), Cooper's hawk (CSR-1), common raven (CSR-6), great horned owl (CSR-5), long-eared owl (CSR-4), red-tailed hawk (CSR-4) or other unknown raptors (CSR-7 and (CSR-8). iii. Reasonable efforts will be made to avoid constructing new aggregate pits within 20 meters of occupied nests of the broad-winged hawk (CSR-9), merlin (CSR-3), and sharp-shinned hawk (CSR-3). iv. During the critical breeding period (Refer to impact table), operations associated with aggregate pits are not permitted within 200 meters of occupied nests. v. No timing restriction on operations associated with aggregate pits around unoccupied nests. vi. The seasonal timing restrictions will be the only condition applied to existing aggregate pits		

AOC ID	Group AOC	Description of value
CWA	Yes	Caribou Winter Use Areas (as identified by MNRF).

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	A. Operational Prescriptions for areas of concern		
	Operational Prescription	Source	Exception

	CWA - Caribou Winter Use Areas
	
	Delineated area
	
	Reserve: None
	
	Modified: None
	
	• Harvest operations are permitted within and adjacent to the Winter Use Area (as mapped).
	  ○ Forest operations should attempt to harvest the area in a way that completes operations as quickly as possible.
	  ○ Where feasible, **l**onger skidding distances will be used.
	• Renewal and tending operations are permitted within the Winter Use Area (as mapped).
	  ○ Renewal and tending operations will maintain or enhance jack pine and black spruce stands conducive to lichen rich ground cover. Regeneration of such areas should be undertaken as soon as is practical (Ideally, within 2 years).
	  ○ Where feasible, silvicultural practices will be used to maintain or enhance lowland black spruce stands that favour the growth of arboreal lichens.
		Pg 51-53 of the Forest management guide for boreal landscapes.	No

	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. Primary and branch road construction and maintenance are not permitted within the Winter Use Area (as mapped). ii. No conditions on existing roads and landings.		

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	C: Operational Roads and Landings		
	Planned or Existing	Public Comment	Exception
	Conditions on Location, Construction or Use		
	i. Operational construction is permitted within the Winter Use Area (as mapped). ii. Operational roads within the Winter Use Area (as mapped) will be decommissioned as soon as is practical. iii. No conditions on existing roads and landings.		
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		
	i. Aggregate extraction is not permitted within the Winter Use Area (as mapped).		

AOC ID	**Group AOC**	**Description of value**		
DEN1	Yes	Black bear dens known or suspected to contain one or more hibernating black bears. This AOC applies to occupied dens known before, or found during operations.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	DEN1 - Black Bear Dens 100-meter AOC centered on the den entrance. **Reserve: None** **Modified: 0-100m** • During the denning period (October 15 to April 30), harvest, renewal, and tending operations are not permitted.		Forest Management Guide for Conserving Biodiversity at the Stand and Site Scale, OMNRF 2010 (pages 94-95)	No

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	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. During the denning period (October 15 to April 30), new primary roads, branch roads, and landings will not be constructed within the 0-100m modified zone. ii. During the denning period (October 15 to April 30), hauling and road maintenance operations are not permitted within the 0-100m modified zone, unless the road predates the den, or is required to address safety or environmental protection issues. iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. During the denning period (October 15 to April 30), new operational roads and landings will not be constructed within the 0-100m modified zone. ii. During the denning period (October 15 to April 30), hauling and road maintenance operations are not permitted within the 0-100m modified zone, unless the road predates the den, or is required to address safety or environmental protection issues. iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	D: Forestry Aggregate Pits		
	Planned or Existing Conditions on Location, Construction or Use		Exception
	i. During the denning period (October 15 to April 30), aggregate extraction is not permitted within the AOC, or within 15 m of the boundary of the AOC.		

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AOC ID	**Group AOC**	**Description of value**		
DEN2	Yes	Suitable dens known or suspected to have been occupied by wolves at least once in the past 5 years for the Northern Grey Wolf or 10 years for the Algonquin Wolf. This AOC applies to occupied dens known before, or found during operations.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	DEN2 - Wolf Den 200-meter AOC centered on the den entrance. **Reserve: 0-100 meters** • harvest renewal or tending operations are not permitted. **Modified: 101-200 meters** • During the denning period (April 15 to July 15), harvest, renewal, and tending operations are not permitted. • OUTSIDE of the denning period (April 15 to July 15), regular harvest is permitted, subject to residual pattern, wildlife tree, and downed woody material requirements (refer to CROs: xviii, xxvi, iv, respectively). *i.e. normal operations.* • All renewal and tending operations are permitted, except those that leave a residual stand structure below the minimum described in FMP text section X.X.X.X		Forest Management Guide for Conserving Biodiversity at the Stand and Site Scale, OMNRF 2010 (pages 96-97)	No
	B: Primary Roads, Branch Roads, and Landings			
	Planned or Existing Conditions on Location, Construction or Use		Public Comment	Exception
	i. New primary roads, branch roads, and landings will not be constructed within the 0-100m reserve. ii. Reasonable efforts will be made to avoid constructing new primary roads, branch roads, and landings within the 101-200m modified zone.			

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	iii. During the denning period (April 15 to July 15), hauling and road maintenance operations are not permitted within 0-100m reserve, unless the road predates the den, or is required to address safety or environmental protection issues. iv. During the denning period (April 15 to July 15), primary or branch road construction is not permitted within 200 meters of an occupied den. v. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. vi. When roads are constructed within the 200 meter AOC, temporary roads and/or water crossings will be used whenever practical and feasible to limit future access and disturbance.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. New operational roads and landings will not be constructed within the 0-100m reserve. ii. Reasonable efforts will be made to avoid constructing new operational roads and landings within the 101-200m modified zone. iii. During the denning period (April 15 to July 15), hauling and road maintenance operations are not permitted within 0-100m reserve, unless the road predates the den, or is required to address safety or environmental protection issues. iv. During the denning period (April 15 to July 15), operational road construction is not permitted within 200 meters of an occupied den. v. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. vi. When roads are constructed within the 200 meter AOC, temporary roads and/or water crossings will be used whenever practical and feasible to limit future access and disturbance.		
	D: Forestry Aggregate Pits		

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	Planned or Existing	Exception
	Conditions on Location, Construction or Use	
	i. New aggregate pits are not permitted within the 0-100m reserve ii. Reasonable efforts will be made to avoid constructing new aggregate pits within 0-100m modified zone. iii. During the denning period (April 15 to July 15), Aggregate pit extraction or construction will not be permitted within the 200-meter AOC, or within 15 meters of the boundary of the AOC.	

AOC ID	**Group AOC**	**Description of value**		
EAG (EAG 1-3)	Yes	Bald Eagle Nests. **Primary Nests (EAG-1):** This AOC applies to nests known or suspected to have been occupied at least once within the past 5 years that are considered primary nests. All nests within a 400-meter radius circle are considered part of the same nesting area unless other information suggests they have been used by >1 pair of eagles. All nests with activity identified as "Not Applicable" or “unidentified” in the LIO values layers will be treated as an active primary nest. **Alternate Nests (EAG-2):** Nests known or suspected to have been occupied at least once within the past 5 years that are not primary nests. All nests within a 400-meter radius circle are considered part of the same nesting area unless other information suggests they have been used by >1 pair of eagles. **Inactive Nests (EAG-3):** Primary and alternate nests that have not been occupied at least once within the past 5 years. All nests within a 400-meter radius circle are considered part of the same nesting area unless other information suggests they have been used by >1 pair of eagles. Direction applies to nests known before, or found during operations.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	EAG-1: Bald Eagle Primary Nest 400-meter AOC centered on primary nests. **Reserve: 0-200 meters** i. Harvest, renewal, or tending operations are not permitted.		Forest Management Guide for Conserving Biodiversity at the Stand and Site Scale, OMNRF 2010 (pages 64-68)	No

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

ii. If harvest occurs within the 0-200m reserve prior to discovery of the nest, an equal sized patch will be left unharvested adjacent to the 0-200m reserve portion of the AOC.

Modified: 201-400 meters

i. During the critical breeding period (March 1 to August 31), harvest operations are not permitted.
ii. During the critical breeding period (March 1 to August 31), renewal and tending operations are permitted based on the potential impact of the operation. (see impact table below)
iii. OUTSIDE the critical breeding period (March 1 to August 31), harvest, renewal, and tending operations are permitted within the 201-400m modified zone.
iv. Outside the critical breeding period (March 1 to August 31), harvest operations are subject to residual pattern, wildlife tree, and downed woody material requirements (described in FMP text sections, X.X.X.X, X.X.X.X, and X.X.X.X, respectively)
v. All renewal and tending operations are permitted, except those that leave a residual stand structure below the minimum described in FMP text section X.X.X.X.

Impact Table:

Potential Impact	No Operations within:
High	400m
Moderate	200m
Low	100m

High *= harvesting, road construction, site preparation, large scale tree plant (>=5 people),* ***Moderate*** *= Small Tree Plant (<5 people),* ***Low*** *= aerial application of herbicides, boundary marking, hauling, road maintenance. Refer to page 192-193 of the stand and site guide for full definitions.*

EAG-2: Bald Eagle Alternate Nest

200-meter radius AOC centered on alternate nests.

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	Reserve: 0-200 meters • Harvest, renewal, or tending operations are not permitted • If harvest occurs within the 0-200m reserve prior to discovery of the nest, an equal sized patch will be left unharvested adjacent to the AOC. **Modified: None** **EAG-3: Bald Eagle Inactive nests** 100-meter radius AOC centered on inactive nests. **Reserve: 100 meters** • Harvest renewal and tending operations are not permitted. **Modified: None**		
	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	Primary Nests (EAG-1) i. No new Primary roads, Branch Roads, and landings are permitted within the 0-200m reserve. ii. All reasonable efforts will be made to avoid locating a primary road, branch road, or landing within the 201-400m modified zone. iii. When roads are constructed within the 201-400m modified zone, temporary roads and/or water crossings will be used whenever practical and feasible to limit future access and disturbance. iv. <u>During the critical breeding period (March 1 to August 31)</u>, operations associated with primary or branch road construction is not permitted within the 201-400m modified zone.		

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	v. During the critical breeding period (March 1 to August 31), Operations associated with Primary roads, Branch Roads, and landings are not permitted within 100-400m of occupied nests, depending upon the level of impact (refer to impact table). vi. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. vii. No timing restriction on hauling or low potential impact road maintenance operations (e.g., grading) if the road predates the nest **Alternate Nests (EAG-2)** i. No new Primary roads, Branch Roads, and landings are permitted within the 0-200m reserve. ii. No timing restriction on operations associated with roads, landings, and aggregate pits within the 0-200m reserve. iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. **Inactive Nests (EAG-3)** i. No new Primary roads, Branch Roads, and landings are permitted within the 0-100m reserve. ii. No timing restriction on operations associated with primary roads, branch roads, landings, and aggregate pits within the 0-100m reserve. iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	Primary Nests (EAG-1) i. No new operational roads or landings are permitted within the 0-200m reserve. ii. All reasonable efforts will be made to avoid locating an operational road or landing within the 201-400m modified zone.		

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	iii. When roads are constructed within the 201-400m modified zone, temporary roads and/or water crossings will be used whenever practical and feasible to limit future access and disturbance. iv. During the critical breeding period (March 1 to August 31), operations associated with operational road construction is not permitted within the 201-400m modified zone. v. During the critical breeding period (March 1 to August 31), Operations associated with operational or landings are not permitted within 100-400m of occupied nests, depending upon the level of impact (refer to impact table). vi. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. **Alternate Nests (EAG-2)** i. No new operational roads or landings are permitted within the 0-200m reserve. ii. No timing restriction on operations associated with operational roads and landings within the 0-200m reserve. iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. **Inactive Nests (EAG-3)** i. No new operational roads or landings are permitted within the 0-100m reserve. ii. No timing restriction on operations associated with operational roads and landings within the 0-100m reserve. iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	D: Forestry Aggregate Pits		
	Planned or Existing Conditions on Location, Construction or Use		Exception
	Primary Nests (EAG-1) i. No new aggregate pits are permitted within the 0-200m reserve, or within 15m of the reserve boundary. ii. All reasonable efforts will be made to avoid locating a new aggregate pit within the 201-400m modified zone.		

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	iii. During the critical breeding period (March 1 to August 31), Operations associated with aggregate pits are not permitted within 100-400m of occupied nests, depending upon the level of impact (refer to impact table). **Alternate Nests (EAG-2)** i. No new aggregate pits are permitted within the 0-200m reserve. ii. No timing restriction on operations associated with aggregate pits within the 0-200m reserve. **Inactive Nests (EAG-3)** i. No new aggregate pits are permitted within the 0-100m reserve. ii. No timing restriction on operations associated with aggregate pits within the 0-100m reserve.	

AOC ID	**Group AOC**	**Description of value**		
EWW	Yes	This AOC applies to nest or nest sites occupied by the Eastern Whip-poor-will. Nest locations are normally identified by triangulation of calling males over multiple nights.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	EWW - Eastern Whip-poor-will 500-meter AOC centered on the approximate nest location. **Reserve: None** **Modified(a): 0-170 meters** • During the critical breeding period (May 1 to August 31), harvesting activities are not permitted. • OUTSIDE of the critical breeding period (May 1 to August 31), Harvesting activities are permitted provided the remaining forest meets the definition of residual (stand has ≥50% canopy closure and is either ≥35yrs or ≥10m tall, Per FMP text Section X.X.X.X)		Developed by the 2021-31 Planning team. 2018-28 White River FMP	No

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	○ Clearcutting is permitted if leaving the required residual will conflict with higher priority biological objectives (e.g. Maintaining even aged stands for caribou). • Low and moderate impact silviculture activities are permitted within areas harvested prior to the arrival of the Whip-poor-will(s). These include, but are not limited to: ○ Aerial application of herbicides (*Low*) ○ Small tree plant with <5 people ○ Ground herbicide application (Airblast) **Refer to page 192-193 of the stand and site guide for full definitions of high, moderate, and low potential impacts.* • Reasonable effort will be made to conduct renewal and tending activities outside of the critical breeding period (May 1 to August 31). **Modified(b): 171-500 meters** • During the critical breeding period (May 1 to August 31), harvesting, renewal and tending are not permitted.		
	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. New primary or branch road construction is not permitted within the 0-170m modified zone. ii. Reasonable Effort will be made to avoid primary or branch road construction within the 171-500m modified zone during the critical breeding period (May 1 to August 31). iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	i. New operational road construction is not permitted within the 0-170m modified zone. ii. Reasonable Effort will be made to avoid operational road construction within the 171-500m modified zone during the critical breeding period (May 1 to August 31). iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		
	i. New aggregate pits not permitted within the 0-170m modified zone, or within 15m of the boundary of the 0-170 modified zone. ii. Reasonable effort will be made to avoid establishing new aggregate pits within the 171-500m modified zone during the critical breeding period (May 1 to August 31).		

AOC ID	**Group AOC**	**Description of value**		
GBH (GBH 1-2)	Yes	Great Blue Heron colony. Large heron colonies (≥4 occupied nests) known or suspected to have been occupied at least once within the past 10 years unless documented as unoccupied for ≥5 years. Small heron colonies (<4 occupied nests) known or suspected to have been occupied at least once within the past 5 years unless documented as unoccupied for ≥3 years. Nest activity identified as "ACTIVITY = Not Applicable" in the LIO values layers will be treated as an active nest (GBH-1). Direction applies to nests known before, or found during operations.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	GBH-1: Great Blue Heron Active Colony 300-meter radius AOC measured from the peripheral nests **Reserve: 0-150 meters** • Harvest, renewal, or tending operations are not permitted.		Forest Management Guide for Conserving Biodiversity at the Stand and Site Scale, OMNRF 2010 (pages 73-75).	No

Modified: 151-300 meters

- Harvest that retains residual forest (for large colonies) or residual pattern (for small colonies) is permitted, as per section X.X.X.X of the FMP
- Renewal and tending operations that will reduce the residual stand structure below what is permitted in section X.X.X.X of the FMP is not permitted
- Wildlife trees and downed woody material will be retained within the harvested portions of the AOC, per FMP text section X.X.X.X .
- During the critical breeding period (April 1 to August 15), some activities are permitted within the AOC depending on their relative potential impact. *Refer to impact table below.*

Impact table:

Potential Impact*	No Operations within:
High	300m
Moderate	150m
Low	75m

***High** = harvesting, road construction, site preparation, large scale tree plant (>=5 people), **Moderate** = Small Tree Plant (<5 people), **Low** = aerial application of herbicides, boundary marking, hauling, road maintenance. Refer to page 192-193 of the stand and site guide for full definitions*

GBH-2: Great Blue Heron Inactive Colony

30-meter AOC measured from peripheral nests.

Reserve: 30 meters

- Harvest renewal and tending are not permitted.

Modified: None

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	Active Colony (GBH-1) i. New primary roads, branch roads, and landings are not permitted within the 0-150m reserve. ii. Reasonable efforts will be made to avoid constructing new primary roads, branch roads, and landings within the 150-300m modified zone of occupied nests within colonies (especially large colonies). iii. When primary and branch roads are constructed within the AOC, temporary roads and/or water crossings will be used whenever practical and feasible to limit future access and disturbance. iv. In instances where roads traverse residual forest, the width of the cleared corridor will be as narrow as practical and feasible, and will not exceed 20m. v. <u>During the critical breeding period (April 1 to August 15)</u> Operations associated with primary roads, branch roads, and landings are not permitted within 75-300 meters of occupied nests within colonies based on their on potential impact (*refer to impact table*), unless required to address safety or environmental protection issues. vi. There is no timing restriction on hauling or low potential impact road maintenance operations (e.g. grading) if the road predates the colony. vii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. **Inactive Colony (GBH-2)** i. New primary roads, branch roads, and landings are not permitted within the 30m reserve.		
	C: Operational Roads and Landings		

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	Active Colony (GBH-1) i. New operational roads and landings are not permitted within the 0-150m reserve. ii. Reasonable efforts will be made to avoid constructing new operational roads and landings within the 150-300m modified zone of occupied nests within colonies (especially large colonies). iii. When operational roads are constructed within the AOC, temporary roads and/or water crossings will be used whenever practical and feasible to limit future access and disturbance. iv. In instances where roads traverse residual forest, the width of the cleared corridor will be as narrow as practical and feasible, and will not exceed 20m. v. During the critical breeding period (April 1 to August 15) Operations associated with operational roads, and landings are not permitted within 75-300 meters of occupied nests within colonies based on their on potential impact (*refer to impact table*), unless required to address safety or environmental protection issues. vi. There is no timing restriction on hauling or low potential impact road maintenance operations (e.g. grading) if the road predates the colony. vii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. **Inactive Colony (GBH-2)** i. New operational roads, and landings are not permitted within the 30m reserve. ii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	D: Forestry Aggregate Pits		
	Planned or Existing Conditions on Location, Construction or Use		Exception

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	Active Colony (GBH-1) i. New aggregate pits are not permitted within the 0-150m reserve. ii. Reasonable efforts will be made to avoid establishing new aggregate pits within the 150-300m modified zone of occupied nests within colonies (especially large colonies). iii. During the critical breeding period (April 1 to August 15) Operations associated with aggregate pits are not permitted within 75-300 meters of occupied nests within colonies based on their on potential impact (*refer to impact table*), unless required to address safety or environmental protection issues. **Inactive Colony (GBH-2)** i. New aggregate pits are not permitted within the 30m reserve.	

AOC ID	Group AOC	Description of value		
GNR (GNR 1-4)	Yes	Ground nesting raptor nests. This AOC is applied to ground nests known or suspected to be occupied by the Northern Harrier, Short-eared Owl, Common night Hawk, and Turkey Vulture. Direction applies to nests known before, or found during, operations.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	GNR - Ground Nesting Raptor **50-150 meter AOC,** depending on the species and potential impact of the operation. *Refer to the impact table below.* **Reserve: None** **Modified:** Harvest renewal and tending are permitted depending on the level of potential impact. *Refer to the impact table below.*		Forest Management Guide for Conserving Biodiversity at the Stand and Site Scale, OMNRF 2010 (pages 87-88). Common night hawk	No
		Operations Allowed inside AOC		

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

Species	AOC ID	AOC Width (m)	Critical Breeding period	During Critical Breeding Period			OUTSIDE Critical Breeding Period
				High	Mod.	Low	
Turkey Vulture	GNR-1	150	May 1st to August 31st	150 m	75 m	40 m	Do not disturb nest if identified
Short-eared Owl	GNR-2	100	March 15th to July 15th	100 m	50 m	25 m	
Northern Harrier	GNR-3	50	April 1st to July 31st	50 m	25 m	10 m	
Common Nighthawk	GNR-4	50	May 1st to August 31st	50 m	25 m	10 m	

***High** = harvesting, road construction, site preparation, large scale tree plant (>=5 people), **Moderate** = Small Tree Plant (<5 people), **Low** = aerial application of herbicides, boundary marking, hauling, road maintenance. Refer to page 192-193 of the stand and site guide for full definitions.*

direction as taken from the hearst forest 2019-29 FMP

B: Primary Roads, Branch Roads, and Landings

Planned or Existing	Public Comment	Exception
Conditions on Location, Construction or Use		
Turkey vulture (GNR-1) i. During the critical breeding period (May 1 to August 31), operations associated with primary roads, branch roads, and landings are not permitted within 0-150m of an occupied nest, unless required to address safety or environmental protection issues. ii. There are no timing restrictions on hauling or low potential impact road maintenance operations (e.g., grading) if the road predates the nest. iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. **Short-eared owl (GNR-2)** i. During the critical breeding period (March 15 to July 15), operations associated with primary roads, branch roads, and landings are not permitted within 0-100m of an occupied nest, unless required to address safety or environmental protection issues.		

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	ii. There are no timing restrictions on hauling or low potential impact road maintenance operations (e.g., grading) if the road predates the nest. iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. **Northern Harrier (GNR-3)** i. During the critical breeding period (April 1 to July 31), operations associated with primary roads, branch roads, and landings are not permitted within 0-50m of an occupied nest, unless required to address safety or environmental protection issues. ii. There are no timing restrictions on hauling or low potential impact road maintenance operations (e.g., grading) if the road predates the nest. iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. **Common Nighthawk (GNR-4)** i. During the critical breeding period (May 1 to August 31), Primary and branch road construction is not permitted within 0-50m of an occupied nest, unless required to address safety or environmental protection issues. ii. There are no timing restrictions on hauling or low potential impact road maintenance operations (e.g., grading) if the road predates the nest. iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	Turkey vulture (GNR-1) i. During the critical breeding period (May 1 to August 31), operations associated with operational roads and landings are not permitted within 0-150m of an occupied nest, unless required to address safety or environmental protection issues. ii. There are no timing restrictions on hauling or low potential impact road maintenance operations (e.g., grading) if the road predates the nest. iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

Short-eared owl (GNR-2)

i. During the critical breeding period (March 15 to July 15), operations associated with operational roads and landings are not permitted within 0-100m of an occupied nest, unless required to address safety or environmental protection issues.
ii. There are no timing restrictions on hauling or low potential impact road maintenance operations (e.g., grading) if the road predates the nest.
iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.

Northern Harrier (GNR-3)

i. During the critical breeding period (April 1 to July 31), operations associated with operational roads and landings are not permitted within 0-50m of an occupied nest, unless required to address safety or environmental protection issues.
ii. There are no timing restrictions on hauling or low potential impact road maintenance operations (e.g., grading) if the road predates the nest.
iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.

Common Nighthawk (GNR-4)

iv. During the critical breeding period (May 1 to August 31), operational road construction is not permitted within 0-50m of an occupied nest, unless required to address safety or environmental protection issues.
v. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.

D: Forestry Aggregate Pits

Planned or Existing	Exception
Conditions on Location, Construction or Use	
Turkey vulture (GNR-1) i. During the critical breeding period (May 1 to August 31), operations associated with aggregate pits are not permitted within 0-150m of an occupied nest, unless required to address safety or environmental protection issues.	

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	Short-eared owl (GNR-2) i. During the critical breeding period (March 15 to July 15), operations associated with aggregate pits are not permitted within 0-100m of an occupied nest, unless required to address safety or environmental protection issues. **Northern Harrier (GNR-3)** i. During the critical breeding period (April 1 to July 31), operations associated with aggregate pits are not permitted within 0-50m of an occupied nest, unless required to address safety or environmental protection issues. **Common Nighthawk (GNR-4)** i. During the critical breeding period (May 1 to August 31), New aggregate pits are not permitted within 0-50m of an occupied nest.	

AOC ID	**Group AOC**	**Description of value**		
LP	Yes	Land Use Permit.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception(s)
	LP - Land Use Permit 75-meter AOC measured from the boundary of the permit area (Per LIO shapefile) **Reserve: 0-75 meters** • Harvest, renewal, and tending operations are not permitted. **Modified: None**		Developed by the 2021-31 Planning team	Polgyons tagged as any of the following in the provided LIO layer will not receive protection: - Docks - Line - Electrical Distribution - Line - Telecommunication - Parking Lot - Other - Road - Forest Access - Trail - Snowmobile - Tower - Communications - Wood Storage Site - Private Rec camp (Protected under CO- Cottage AOC prescription)

MANAGEMENT UNIT NAME: NAGAGAMI FOREST
PLAN PERIOD: April 1, 2021 to March 31, 2031

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. Primary roads, branch roads, and landings are not to be planned or constructed through or within the active land use permit sites or the 75-meter AOC without consent by the Ministry of Natural Resources and Forestry. ii. No conditions on existing roads and landings		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. Operational roads and landings are not to be planned or constructed through or within the active land use permit sites or the 75-meter AOC without consent by the Ministry of Natural Resources and Forestry. ii. No conditions on existing roads and landings		
	D: Forestry Aggregate Pits		
	Planned or Existing Conditions on Location, Construction or Use		Exception
	i. New aggregate pits are not permitted within the 75-meter AOC, or within 15 meters of the boundary of the AOC.		

AOC ID	**Group AOC**	**Description of value**		
ML	Yes	Natural mineral licks known or encountered during operations. Excludes mineral licks created by salt accumulation along roadways.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	ML - Mineral Lick 120-meter AOC measured from the edge of woody vegetation averaging at least 2 m tall and with ≥25% canopy cover. **Reserve: 0-120m** • Harvest, renewal, and tending are not permitted. **Modified: None**	Forest Management Guide for Conserving Biodiversity at the Stand and Site Scale, OMNRF 2010 (page 93)	No
	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. Operations associated with existing primary and branch roads are permitted within the 120-meter AOC. ii. New primary and branch roads and landings are not permitted within the 120-meter AOC, unless no other practical or feasible alternative exists in consultation with the MNRF. iii. No conditions on existing roads and landings		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. Operations associated with existing operational roads are permitted within the 120-meter AOC. ii. New operational roads and landings are not permitted within the 120-meter AOC, unless no other practical or feasible alternative exists in consultation with the MNRF. iii. No conditions on existing roads and landings		

MANAGEMENT UNIT NAME: NAGAGAMI FOREST
PLAN PERIOD: April 1, 2021 to March 31, 2031

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	D: Forestry Aggregate Pits	
	Planned or Existing	Exception
	Conditions on Location, Construction or Use	
	i. Operations associated with existing aggregate pits are permitted within the 120-meter AOC. ii. New aggregate pits are not permitted within the 120-meter AOC, or within 15 meters of the boundary of the AOC.	

AOC ID	**Group AOC**	**Description of value**		
MR	Yes	Moose residual patches		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	MR - Moose residual patches Variable size and configuration as defined on Area of Operations maps **Reserve: as mapped** • Harvest, renewal, and tending are not permitted. **Modified: None**		Forest Management Guide for Conserving Biodiversity at the Stand and Site Scale, OMNRF 2010 (page 211)	No
	B: Primary Roads, Branch Roads, and Landings			
	Planned or Existing		Public Comment	Exception
	Conditions on Location, Construction or Use			
	i. Operations associated with existing roads and landings are permitted within the AOC			
	C: Operational Roads and Landings			

MANAGEMENT UNIT NAME: NAGAGAMI FOREST
PLAN PERIOD: April 1, 2021 to March 31, 2031

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	Planned or Existing	Public Comment	Exception
	Conditions on Location, Construction or Use		
	i. New planned ooperational roads are allowed with a total corridor width not to exceed 20 metres ii. Operations associated with existing roads and landings are permitted within the AOC.		
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		
	i. No aggregate pits are permitted within the AOC, or within 15m of the boundary of the AOC		

AOC ID	**Group AOC**	**Description of value**		
MSIM	Yes	The Multi-species Inventory and Monitoring (MSIM) plot network is one component of a broader wildlife monitoring framework led by the Provincial Wildlife Population Monitoring Program. The MSIM component of the Provincial Wildlife Population Monitoring Program uses multiple, survey methods on each plot in a network to provide population data (presence and/or relative abundance) for a large number of terrestrial and riparian vertebrate wildlife species over a broad scale in both time and space.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	MSIM - Multi-Species Inventory and Monitoring Plots **Inactive Plots** 1000-meter AOC measured from the plot center.		Provincial Wildlife Population Monitoring program.	No

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	Reserve: none
	
	Modified: 0-1000 meters
	• Harvest, renewal, and tending are permitted, subject to the following:
	  ○ Notify the Wildlife Population Monitoring Program specialist when operations are within 1,000 meters of a MSIM plot centre.
	  ○ Wildlife Population Monitoring Program Science Specialist has provided specific plot information.
	  ○ Avoid damaging or moving any marker posts.
	  ○ Use caution if heavy equipment crosses the salamander grid.
	
	Active Plots
	
	1000-meter AOC measured from the plot center
	
	Reserve: 0-1000 meters
	• <u>During the active period (May 1 to September 15)</u>, harvest, renewal, and tending are not permitted, unless otherwise arranged with the Wildlife Population Monitoring Program specialist.
	• <u>OUTSIDE the active period (September 16 to April 30)</u>, normal operations can proceed if plot infrastructure is kept intact.
	  ○ Where feasible, avoid traversing the salamander coverboard grid
	  ○ trees within the grid can be removed, provided no disturbance to any coverboards takes place.
	• Notify the Wildlife Population Monitoring Program Specialist when operations are close to the 0-1000m reserve.
	
	**For all plots: Notify Wildlife Population Monitoring Program specialist if marker posts or salamander grids are damaged.*		

MANAGEMENT UNIT NAME: NAGAGAMI FOREST
PLAN PERIOD: April 1, 2021 to March 31, 2031

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. Contact the Regional Wildlife Populations Specialist with the Biodiversity and Monitoring Section prior to operations to determine if monitoring plot is active or inactive. ii. **Existing Roads**: a. There are no conditions on the use or maintenance of existing roads within the 0-1000m AOC. iii. **Planned Roads**: a. Active plots: Road construction may only take place between September 16 and April 30. The road right of way must be built at least 15 meters from any plot infrastructure. b. Inactive plots: Road construction is permitted, provided the road right of way is at least 15 meters from any plot infrastructure.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. Contact the Regional Wildlife Populations Specialist with the Biodiversity and Monitoring Section prior to operations to determine if monitoring plot is active or inactive. ii. **Existing Roads**: a. There are no conditions on the use or maintenance of existing roads within the 0-1000m AOC. iii. **Planned Roads**: a. Active plots: Road construction may only take place between September 16 and April 30. The road right of way must be built at least 15 meters from any plot infrastructure.		

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	b. Inactive plots: Road construction is permitted, provided the road right of way is at least 15 meters from any plot infrastructure.		
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		
	i. Contact the Regional Wildlife Populations Specialist with the Biodiversity and Monitoring Section prior to operations to determine if monitoring plot is active or inactive. ii. Active plots: a. New aggregate pits are not permitted within 500 meters of the plot center or within 100 meters of any plot infrastructure. b. During the active period (May 1 to September 15), new aggregate pits and aggregate pit activity are not permitted within the 1000-meter AOC iii. Inactive plots: Reasonable effort will be made to ensure no new aggregate pits are established within 500 meters of the plot center or within 100 meters of any plot infrastructure.		

AOC ID	Group AOC	Description of value	
NR (NR1-8)	Yes	Nesting Raptors. Nests/communal roosts in cavities known or suspected to be occupied by the American Kestrel, Barred Owl, Boreal Owl, Eastern Screech-owl, Great Horned Owl, Northern Hawk Owl, or Northern Saw-Whet Owl and Chimney Swift. Direction applies to occupied and unoccupied nests known before, or found during operations.	
	Source: Forest Management Guide for Conserving Biodiversity at the Stand and Site Scale, OMNRF 2010 (pages 85-87)		**Exception:** No
	A. Operational Prescriptions for areas of concern		
	Operational Prescription		
	NR - Nesting Raptors Depends on the species and potential impact of the operation (*refer to the impact table below*)		

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

Impact table:

AOC-ID	Species	Harvest, Renewal, Tending Options OUTSIDE of Critical Breeding Season (Unoccupied)	AOC Width (m)	Critical Breeding Period	Critical Period Timing Impact Zone (m)*		
					High	Mod.	Low
NR-1	Barred Owl	No harvest within 20 m nest	100	March 15 - July 15	100	50	25
NR-2	Great Horned Owl	No harvest within 20 m nest	50	February 1 - May 31	50	25	10
NR-3	American Kestrel	Allowed-Retain nest tree	25	April 1 - July 31	25	10	0
NR-4	Northern Hawk Owl	Allowed-Retain nest tree	50	March 15 - July 15	50	25	10
NR-5	Boreal Owl	Allowed-Retain nest tree	25	April 1 - July 31	25	10	0
NR-6	Eastern Screech-owl	Allowed-Retain nest tree	25	March 15 - July 15	25	10	0
NR-7	Northern Saw-whet Owl	Allowed-Retain nest tree	25	March 15 - July 15	25	10	0
NR-8	Chimney Swift	No harvest within 20 m nest	90	May 1 to Sept 30	90	25	10

**High = harvesting, road construction, site preparation, large scale tree plant (>=5 people), Moderate = Small Tree Plant (<5 people), Low = aerial application of herbicides, boundary marking, hauling, road maintenance.*

B: Primary Roads, Branch Roads, and Landings

Planned or Existing	Public Comment	Exception
Conditions on Location, Construction or Use		
i. New primary roads, branch roads, and landings will not be constructed within 20 meters of an occupied nest of the Barred Owl, Great Horned Owl, or Chimney Swift. ii. Reasonable efforts will be made to avoid constructing new Primary roads, Branch Roads, and landings within 20 meters of nests of the American kestrel, Boreal Owl, Eastern Screech-Owl, Northern Hawk Owl, or Northern Saw-whet Owl. iii. Operations associated with primary and branch roads and landings are not permitted within 0-100 meters of occupied nests during the critical breeding/roosting periods, unless required to address safety or environmental protection issues. iv. There is no timing restriction on operations associated with Primary roads, Branch Roads, and landings for unoccupied nests.		

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	v. There are no timing restrictions on hauling or low potential impact road maintenance operations (e.g., grading) if the primary or branch road predates the nest/communal roost. vi. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. Operational roads and landings will not be constructed within 20 meters of an occupied nest of the Barred Owl, Great Horned Owl, or Chimney Swift. ii. Reasonable efforts will be made to avoid constructing new operational roads or landings within 20 meters of nests of the American kestrel, Boreal Owl, Eastern Screech-Owl, Northern Hawk Owl, or Northern Saw-whet Owl. iii. Operations associated with operational roads or landings are not permitted within 0-100 meters of occupied nests during the critical breeding/roosting periods, unless required to address safety or environmental protection issues. iv. There are no timing restrictions on operations associated with operational roads or landings for unoccupied nests. v. There are no timing restrictions on hauling or low potential impact road maintenance operations (e.g., grading) if the primary or branch road predates the nest/communal roost. vi. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	D: Forestry Aggregate Pits		
	Planned or Existing Conditions on Location, Construction or Use		Exception
	i. New aggregate pits are not permitted within ≤20 meters of nests/communal roosts of the barred owl, the great horned owl, or the chimney swift, or within 15 meters of the boundary of the AOC. ii. <u>During the critical breeding periods</u> (Refer to impact table for species-specific data ranges), Operations associated with aggregate pits are not permitted within 0-100 meters of occupied nests or within 15 meters of the boundary of the AOC, unless required to address safety or environmental protection issues.		

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	iii. Reasonable efforts will be made to avoid constructing new aggregate pits within 20 meters of nests of the American kestrel, boreal owl, eastern screech owl, northern hawk owl or northern saw-whet owl. iv. There is no timing restriction on operations associated with aggregate pits for unoccupied nests.	

AOC ID	**Group AOC**	**Description of value**		
ON	No	Center of Ontario monument		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	ON - Center of Ontario **Reserve:** Do not damage or otherwise compromise the structural integrity of the monument or walkway.		2021-31 Planning Team	No
	B: Primary Roads, Branch Roads, and Landings			
	Planned or Existing		Public Comment	Exception
	Conditions on Location, Construction or Use			
	i. Road construction must not damage otherwise compromise the structural integrity of the monument or the associated walkway. ii. No conditions on existing roads and landings			
	C: Operational Roads and Landings			
	Planned or Existing		Public Comment	Exception
	Conditions on Location, Construction or Use			

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	i. Road construction must not damage otherwise compromise the structural integrity of the monument or the associated walkway. ii. No conditions on existing roads and landings		
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		
	i. Aggregate pit establishment or extraction must not damage otherwise compromise the structural integrity of the monument or the associated walkway. ii. Aggregate extraction is not permitted within 15m of the walkway, the monument or the Associated Parking lot		

AOC ID	Group AOC	Description of value
OSP (OSP 1-3)	Yes	Osprey nest. **Primary Nest (OSP-1):** Nests known or suspected to have been occupied at least once within the past 5 years (i.e., active nests), unless the nest and all associated nests within the nesting area have been documented as unoccupied for ≥3 consecutive years, in which case the nest is considered inactive. When ≥2 active nests occur in sufficiently close proximity to be considered part of the nesting area of an individual pair, the nest with the most recent known or suspected history of occupancy within this nesting area is the primary nest; the other active nest(s) is (are) considered alternate nests. Nests activity identified as "Not Applicable" in the LIO values layers will be treated as a primary nest (OSP-1). Direction applies to nests known before, or found during, operations. **Alternative Nest (OSP-2):** Nests known or suspected to have been occupied at least once within the past 5 years that are not primary nests unless the nest and all associated nests within the nesting area have been documented as unoccupied for ≥3

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		consecutive years, in which case the nest is considered inactive. Direction applies to nests known before, or found during, operations. **Inactive Nest (OSP-3):** Nests not known or suspected to have been occupied at least once within the past 5 years. Primary and alternate nests within nesting areas where all nests within the nesting area have been documented as unoccupied for ≥3 consecutive years. Direction applies to nests known before, or found during, operations.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	OSP-1: Primary Osprey Nest 300-meter radius AOC centered on the nest. **Reserve: 0-150 meters** • Harvest, renewal, and tending operations are not permitted; • If harvest occurs prior to the discovery of a nest, an additional patch of undisturbed forest equal in size will be retained preferably adjacent to the remaining forest. **Modified: 151-300 meters** i. <u>During the critical breeding period (April 15 to August 31)</u>, Harvest, renewal, and tending operations are not permitted during the critical breeding period based on the potential impact of the operation (*refer to impact table below*). ii. Renewal and tending operations that will reduce the residual stand structure below what is described in the FMP text X.X.X.X is not permitted; iii. Wildlife trees (per FMP text section X.X.X.X) and downed woody material (per FMP text section X.X.X.X) will be retained within harvested portions of the AOC. iv. Wildlife trees that may function as potential nest, perch, and roost sites will be preferentially retained based on the following order of priority: 1) Supercanopy trees, 2) Veteran trees,		Forest Management Guide for Conserving Biodiversity at the Stand and Site Scale (pages 68-71)	No

3) Cavity trees and
4) Other live dominant or codominant trees that are windfirm. White pines, red pines, and poplars will be favoured when available.

Impact table:

Potential Impact	No Operations within:
High	300m
Moderate	150m
Low	75m

***High** = harvesting, road construction, site preparation, large scale tree plant (>=5 people), **Moderate** = Small Tree Plant (<5 people), **Low** = aerial application of herbicides, boundary marking, hauling, road maintenance. Refer to page 192-193 of the stand and site guide for full definitions.*

OSP-2: Alternate Osprey Nest

150-meter radius AOC centered on the alternate nest

Reserve: 0-150m

i. Harvest, renewal, and tending operations are not permitted.
ii. If harvest occurs prior to the discovery of a nest, an additional patch of undisturbed forest equal in size will be retained, preferably adjacent to the remaining AOC.

Modified: none.

OSP-3: Inactive Osprey Nest

75-meter radius AOC centered on the alternate nest.

Reserve: 0-75m

i. Harvest, renewal, and tending operations are not permitted.

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	ii. If harvest occurs prior to the discovery of a nest, an additional patch of undisturbed forest equal in size will be retained, preferably adjacent to the remaining AOC.		
	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	Primary Nest (OSP-1): i. New primary roads, branch roads, and landings are not permitted within the 0-150m reserve. ii. Reasonable efforts will be made to avoid constructing new primary roads, branch roads, and landings within the 151-300m modified zone. iii. <u>During the critical breeding period (April 15 to August 31)</u>, Operations associated with road construction are not permitted within 300m of occupied nests. iv. <u>During the critical breeding period (April 15 to August 31),</u> operations associated with roads or landings are not permitted within 75-300m of occupied nests based on potential impact, unless required for safety reasons or environmental protection. v. When primary or branch roads are constructed within the AOC, temporary roads and/or water crossings will be used whenever practical and feasible to limit future access and disturbance. vi. There are no timing restrictions on hauling or low potential impact road maintenance operations (e.g., grading) if the road predates the nest. vii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. **Alternative Nest (OSP-2):** i. New primary roads, branch roads, and landings are not permitted within the 0-150m reserve. ii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	Inactive Nest (OSP-3): i. New primary roads, branch roads, and landings are not permitted within the 0-75m reserve. ii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	Primary Nest (OSP-1): i. New operational roads and landings are not permitted within the 0-150m reserve. ii. Reasonable efforts will be made to avoid constructing new operational roads and landings within the 151-300m modified zone. iii. <u>During the critical breeding period (April 15 to August 31)</u>, operations associated with road construction are not permitted within 300m of occupied nests. iv. <u>During the critical breeding period (April 15 to August 31),</u> operations associated with roads or landings are not permitted within 75-300m of occupied nests based on potential impact, unless required for safety reasons or environmental protection. v. When operational roads are constructed within the AOC, temporary roads and/or water crossings will be used whenever practical and feasible to limit future access and disturbance. vi. There are no timing restrictions on hauling or low potential impact road maintenance operations (e.g., grading) if the road predates the nest. vii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. **Alternative Nest (OSP-2):** i. New primary roads, branch roads, and landings are not permitted within the 0-150m reserve.		

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	ii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. **Inactive Nest (OSP-3):** i. New primary roads, branch roads, and landings are not permitted within the 0-75m reserve. ii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	D: Forestry Aggregate Pits		
	Planned or Existing Conditions on Location, Construction or Use		Exception
	Primary Nest (OSP-1): i. New aggregate pits are not permitted within the 0-150m reserve. ii. Reasonable efforts will be made to avoid constructing new Aggregate pits within the 151-300m modified zone. iii. During the critical breeding period (April 15 to August 31), operations associated with aggregate pits are not permitted within 150m of an occupied nest. **Alternative Nest (OSP-2):** i. New aggregate pits are not permitted within the 0-150m reserve. **Inactive Nest (OSP-3):** i. New aggregate pits are not permitted within the 0-75m reserve.		

AOC ID	Group AOC	Description of value

MANAGEMENT UNIT NAME: NAGAGAMI FOREST
PLAN PERIOD: April 1, 2021 to March 31, 2031

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

PER	Yes	Peregrine Falcon Nest. A natural cliff face on which a Peregrine Falcon is nesting or has nested at any time during the previous 15 years, excluding any part of the cliff face where the top of the cliff face is less than 15 metres above the base of the cliff face. Direction applies to all nests known before, or found during operations.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Sources	Exception
	PER - Peregrine Falcon 1000-meter AOC **Reserve: 0-250 meters** • Harvest, renewal, and tending operations are not permitted. **Modified: 251-1000 meters** • <u>During the critical breeding period (March 15 to September 1)</u>, Harvest, Renewal and tending operations are not permitted. • Reasonable effort will be made to avoid harvesting >50% of the area. **If a nest is discovered, a site-specific management approach will be developed by the company in collaboration with MNRF. The Peregrine Falcon Habitat Management Guidelines (1987) and Stand and Site Guide (2010; pg. 63) may serve as a back drop for developing the prescription.*		2018-28 white river forest FMP. The Peregrine Falcon Habitat Management Guidelines (1987) the Stand and Site Guide (page 63).	No
	B: Primary Roads, Branch Roads, and Landings			
	Planned or Existing Conditions on Location, Construction or Use		Public Comment	Exception
	i. New primary roads, branch roads, and landings are not permitted within the 1000-meter AOC. ii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.			

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	C: Operational Roads and Landings		
	Planned or Existing	Public Comment	Exception
	Conditions on Location, Construction or Use		
	i. New operational roads are not permitted within the 1000-meter AOC. ii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		
	New aggregate pits are not permitted within the 1000-meter AOC, or within 15 metres of the boundary of the AOC.		

AOC ID	**Group AOC**	**Description of value**		
PGP	Yes	Provincial Forest Growth and Yield Research Plots: Permanent Growth Plot (PGP)		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	PGP - Provincial Growth Plot 75-meter AOC as mapped per the Research Plot Protected layer provided by LIO. **Reserve: As mapped** • Harvest, renewal or tending operations are not permitted. **Modified: none**		OMNRF Growth and Yield Program PSP and PGP Reference Manual, 2009.	No
	B: Primary Roads, Branch Roads, and Landings			
	Planned or Existing		Public Comment	Exception

MANAGEMENT UNIT NAME: NAGAGAMI FOREST
PLAN PERIOD: April 1, 2021 to March 31, 2031

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	Conditions on Location, Construction or Use		
	i. Primary roads, branch roads, and landings are not permitted within the AOC. ii. No conditions on existing roads and landings		
	C: Operational Roads and Landings		
	Planned or Existing	Public Comment	Exception
	Conditions on Location, Construction or Use		
	i. Operational roads and landings are not permitted within the AOC. ii. No conditions on existing roads and landings	No	
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		
	New aggregate pits are not permitted within the AOC, or within 15 metres of the boundary of the AOC.		

AOC ID	**Group AOC**	**Description of value**		
PK	Yes	Provincial Parks, Conservation Reserves, and Forest Reserves. This AOC Applies to the following parks: Nagagamisis Provincial Park, Nagagami Lake Provincial Park Nature Reserve, Pichogen River mixed Forest Provincial Park. Viewscape values to be identified and protected as required.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	PK - Provincial Park 200-meter AOC measured from provincial park boundaries		2011 FMP Planning Team	No

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	Reserve: None **Modified(A): 0-60 meters** • Aerial spray (tending and site preparation) are not permitted • Harvest, renewal, and tending operations are permitted. **Modified(B): 0-200 meters** • **For Nagagamisis Provincial Park:** Between Victoria Day weekend and labour day weekends: Harvest, renewal, and tending operations are not permitted between 21:00 and 9:00 • Areas to be site prepared and regenerated as quickly as practical. Ideally, regeneration will occur within two years of harvest, however this window may be extended if agreed to by the MNRF, the MECP, and the company.		
	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	viii. Construction of new Primary and branch is not permitted within Modified(B) unless required for safety reasons or environmental protection. Construction must be agreed to by the Park superintendent before road building may commence. i. **For Nagagamisis Provincial Park:** Between Victoria Day weekend and labour day weekends: road building activities are not permitted between 21:00 and 9:00 ii. Where feasible, primary or branch roads built within modified B should travel perpendicular to the park boundary, or in a way that limits access potential to the greatest extent feasible.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	i. Construction of new operational roads is not permitted within modified B, unless required due to topography or safety and agreed to by the park superintendent		
	D: Forestry Aggregate Pits		
	Planned or Existing,		Exception
	Conditions on Location, Construction or Use		
	i. New aggregate pits are not permitted within modified B, or within 15 meters of the boundary.		

AOC ID	**Group AOC**	**Description of value**		
PSP	Yes	Provincial Forest Growth and Yield Research Plots: Permanent Sample Plot (PSP). Identified through LIO.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	PSP - Permanent Sample Plot 120-meter AOC measured from the plot center. **Reserve: 0-120 meters** • Harvest, renewal, and tending operations are not permitted. **Modified: none**		OMNRF Growth and Yield Program PSP and PGP Reference Manual, 2009.	No
	B: Primary Roads, Branch Roads, and Landings			
	Planned or Existing		Public Comment	Exception
	Conditions on Location, Construction or Use			
	i. Primary roads, Branch roads, and landings are permitted in the AOC only when no reasonable alternative exists and with prior written approval from MNRF. ii. No conditions on existing roads and landings			

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	C: Operational Roads and Landings		
	Planned or Existing	Public Comment	Exception
	Conditions on Location, Construction or Use		
	i. New operational roads are not permitted within the AOC. ii. No conditions on existing roads and landings		
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		
	i. No new aggregate pits are permitted within the 120-meter AOC, or within 15 metres of the boundary of the AOC.		

AOC ID	**Group AOC**	**Description of value**		
RHZ (RHZ-1-3)	Yes	Riparian Habitat Zones: All sizes of lakes, rivers, high moderate and low potential sensitivity ponds and streams (as described in the Stand and Site guide, pg. 38-39, table 4.1a).		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	RHZ-1: Lakes, Rivers, and High potential Sensitivity ponds and streams 30 to 90-meter AOC based on slope as follows		Forest Management Guide for Conserving Biodiversity at the Stand and Site Scale, OMNRF 2010 (pages 39-44 and 48-54)	No

Slope %	**Slope Degree**	**Width of AOC**
0 - 15	0 - 8.5	30 meters

>15 - 30	8.6 - 16.7	50 meters
>30 - 45	16.8 - 24.2	70 meters
> 45	> 24.2	90 meters

The AOC will be measured from the edge of vegetation communities that are capable of providing an effective barrier to the movement of sediment. This will normally be those communities with ≥ 25% canopy cover of trees, tall (≥1 m high) woody shrubs such as alder or willow, or low (≤1 m high) woody evergreen shrubs as Labrador Tea or Leatherleaf.

For mapping purposes, the AOC will be measured from the edge of polygons identified as productive forest, treed muskeg swamp or brush. If the inner edge of the AOC will be ≥ 300 m from the shoreline of a lake or pond when these criteria are used, an AOC is not required adjacent to those sections of shoreline, unless the intervening wetland is known to provide components of fish habitat for which there is a high species' dependence (e.g. spawning habitat).

Reserve: 30-90 meters, depending on slope

- Harvest, renewal, and tending are not permitted.

Modified: none

RHZ-2: Moderate Potential Sensitivity Ponds and Streams

30-meter AOC, independent of slope.

The AOC will be measured from the edge of vegetation communities that are capable of providing an effective barrier to the movement of sediment. This will normally be those communities with ≥ 25% canopy cover of trees, tall (≥1 m high) woody shrubs such as alder or willow, or low (≤1 m high) woody evergreen shrubs as Labrador Tea or Leatherleaf.

	For mapping purposes, the AOC will be measured from the edge of polygons identified as productive forest, treed muskeg swamp or brush. If the inner edge of the AOC will be ≥ 300 m from the shoreline of a lake or pond when these criteria are used, an AOC is not required adjacent to those sections of shoreline, unless the intervening wetland is known to provide components of fish habitat for which there is a high species' dependence (e.g. spawning habitat). **Reserve: 0-30 meters** • Harvest, renewal, and tending operations are not permitted. **Modified: none** **RHZ-3: Low Potential Sensitivity Ponds and Streams** 15-meter AOC The AOC will be measured from the edge of vegetation communities that are capable of providing an effective barrier to the movement of sediment. This will normally be those communities with ≥ 25% canopy cover of trees, tall (≥1 m high) woody shrubs such as alder or willow, or low (≤1 m high) woody evergreen shrubs as Labrador Tea or Leatherleaf. For mapping purposes, the AOC will be measured from the edge of polygons identified as productive forest, treed muskeg swamp or brush. If the inner edge of the AOC will be ≥ 300 m from the shoreline of a lake or pond when these criteria are used, an AOC is not required adjacent to those sections of shoreline, unless the intervening wetland is known to provide components of fish habitat for which there is a high species' dependence (e.g. spawning habitat). **Reserve: None** **Modified: 15 meters**		

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	• No harvest, renewal, and tending operations are permitted that will result in damage to the littoral zone shoreline, stream channel banks, stabilizing vegetation, or cause sedimentation to flow into the waterbody/stream. The following are prohibited:
	  ○ No machine travel within 3m of the protected feature
	  ○ No excessive sapling sized tree removal
	  ○ No felling of trees into the waterbody, no ruts, and leave all downed woody debris. (accidentally felled trees will remain where they fall and significant ruts will be promptly rehabilitated)
	  ○ No disturbance of the forest floor which leaves ruts or a significant area of exposed mineral soil within 15 meters of the active channel. If such disturbance occurs, the site will be promptly rehabilitated to prevent sediment from entering the water feature.
	
	• Contamination of streams by foreign materials is not permitted.
	  ○ The use and storage of fuels will be carried out in accordance with the Liquid Fuels Handling Code, and
	  ○ No equipment maintenance (washing or changing oil) is permitted within 15 meters of the active channel		

	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. landings are not permitted within the AOC. ii. New primary and branch roads that are not associated with an approved crossing are not permitted within the AOC, unless no practical or feasible alternative exists in consultation with MNRF, appropriate mitigative measures will be taken to minimize the risk of sediment entering lakes, ponds, rivers, or streams. iii. New primary or branch roads that traverse the AOC will be planned to avoid areas with a high potential to contain ephemeral streams, springs, seeps, and other areas of groundwater discharge. Crossings of recognizable ephemeral streams, springs, seeps,		

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	and other areas of groundwater discharge will be considered to minimize the risk of sediment delivery and disruption of hydrological function. iv. When new primary or branch roads traverse residual forest within the AOC, the width of the cleared corridor will be as narrow as practical and feasible, and will not exceed 20 meters. v. No in-stream construction from September 1 to June 15 in cold water streams and rivers. vi. No in-stream construction from April 15 to June 15 in cool water streams and rivers.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	i. landings are not permitted within the AOC. ii. New operational roads that are not associated with an approved crossing are not permitted within the AOC, unless no practical or feasible alternative exists in consultation with MNRF, appropriate mitigative measures will be taken to minimize the risk of sediment entering lakes, ponds, rivers, or streams. iii. New operational roads that traverse the AOC will be planned to avoid areas with a high potential to contain ephemeral streams, springs, seeps, and other areas of groundwater discharge. Crossings of recognizable ephemeral streams, springs, seeps, and other areas of groundwater discharge will be considered to minimize the risk of sediment delivery and disruption of hydrological function. iv. When new operational roads traverse residual forest within the AOC, the width of the cleared corridor will be as narrow as practical and feasible, and will not exceed 20 meters. v. No in-stream construction from September 1 to June 15 in cold water streams and rivers. vi. No in-stream construction from April 15 to June 15 in cool water streams and rivers.		
	D: Forestry Aggregate Pits		

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	Planned or Existing	Exception
	Conditions on Location, Construction or Use	
	• No aggregate pits are permitted within the AOC, or within 15 metres of the boundary of the AOC.	

AOC ID	**Group AOC**	**Description of value** Designated remote main base lodge and associated waterbody. This AOC applies to the following lakes: Nagagami Lake, Obakamiga Lake, Granitehill Lake, Larkin Lake, Kabinakagami Lake, Cameron Lake.		
RTM (RTM 1-2)	Yes			
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	RTM-1: Designated remote tourism main base lodge (structure) 400-meter AOC measured from the established property boundary of main base lodge location. **Reserve: 0-400 meters** • Harvest, renewal, and tending operations are not permitted. **RTM-2: Designated remote tourism main base lodge water and viewscape reserves** 2000-meter AOC measured from the productive forest edge at the lake shoreline. For mapping purposes, the AOC will be measured from polygons identified as productive forest (NOT polygons identified as treed muskeg, swamp, or brush). If the inner edge of the AOC will be ≥ 300 m from the shoreline of a lake or pond when these criteria are used, an AOC is not required adjacent to those sections of shoreline, unless the intervening wetland is known to provide components of fish habitat for which there is a high species' dependence (e.g. spawning habitat).		Wawa District Crown Land Use Harmonization Project Management Guidelines (2015) (pages 44-45)	No

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	In order maintain a forested appearance from the perspective of the water, a viewscape analysis was conducted to identify areas where bear ground would be visible from the perspective of the water should the harvest area be completely depleted. These areas are defined as being "visible from the lake" and were treated as no-cut viewscape reserves.
	
	Reserve: 0-120 meters
	• Harvest, renewal, and tending operations are not permitted.
	
	Modified(a): 121-2000 meters
	• *In areas visible from the lake:*
	  ○ Harvest, renewal, and tending are not permitted.
	
	• *In areas not visible from the lake:*
	  ○ Harvest, renewal, and tending operations are permitted.
	
	• The company will aim to decommission roads within 3 years of the completion of harvest; however, this window may be extended if further renewal treatments are required. Any extensions to this window must be approved by the MNRF.
	  ○ access restriction measures that don't compromise the integrity of the road base (e.g. slash piling or berms) may be implemented in the interim if the window is extended beyond the 3-year period
	
	Modified(b): 0-2000 meters
	• From the opening of walleye season to the end of the second week of the gun moose hunt, harvesting and mechanical site preparation are not permitted (for "noise control"). This timing restriction may not apply when facilities are not in operation.
	  ○ Seasonal timing restrictions can be modified on a case by case basis where otherwise agreed upon by the MNRF, Forestry or Industrial company, and the tourism establishment through a resource stewardship agreement or other instrument. MNRF is to be notified of consultation between outfitters and forest		

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	industry yielding agreement to conduct forestry operations within controlled timing windows, prior to the commencement of forest operations. • Site preparation may be permitted during the frost-free season, but will be limited to the hours of 8:00 am and 6:00 pm from the opening of walleye season to the end of the 2nd week of moose hunt rifle season. ○ Seasonal timing restrictions can be modified on a case by case basis where otherwise agreed upon by the MNRF, Forestry or Industrial company, and the tourism establishment through a resource stewardship agreement or other instrument. MNRF is to be notified of consultation between outfitters and forest industry yielding agreement to conduct forestry operations within controlled timing windows, prior to the commencement of forest operations.		
	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	RTM-2: Designated remote tourism main base lodge water and viewscape reserves • Primary and branch road construction is not permitted within the 2000-meter AOC. • <u>From the opening of walleye season to the end of the second week of the gun moose hunt</u>, Road construction and hauling are not permitted within the 0-2000 m modified zone.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	RTM-2: Designated remote tourism main base lodge water and viewscape reserves • <u>From the opening of walleye season to the end of the second week of the gun moose hunt</u>, Road construction and hauling are not permitted within the 0-2000 m modified zone. • New operational roads are not permitted within 400 meters of the shoreline of the lake.		

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	• New roads will be decommissioned upon the completion of forest management activities (i.e. completion of renewal treatments). ○ The company will aim to decommission access within 3 years of completion of harvest; however, this window may need to be extended if further renewal treatments are required. Any extensions to this window must be approved by the MNRF. Access restriction measures that don't compromise the integrity of the road base (e.g. slash piling or berms) may be implemented in the interim if the window is extended beyond the 3-year period. • The road will be built to the lowest possible standard. • Lowest cost will not be the sole or overriding justification. • Tourism values will be considered and all reasonable measures will be undertaken to minimize harmful impacts and to protect a perception of inaccessibility and isolation. • The construction of roads up to or between cold water crossings will be permitted to comply with the cold water in-stream timing restriction of June 16th to August 31st. The company will consult with the affected tourism operators to schedule the most appropriate time for conducting this work. • The SFL will advise MNRF Wawa District Office if any existing trails are found leading to or within a RTM AOC when constructing operational roads.		
	D: Forestry Aggregate Pits		
	Planned or Existing Conditions on Location, Construction or Use		Exception
	RTM-2: Designated remote tourism main base lodge water and viewscape reserves i. Aggregate pits are not permitted within 400 metres of the shoreline ii. Aggregate pits are not permitted within the visible skyline AOC within 500 metres from the designated lake. iii. Forestry aggregate pits may be established between 501-1000 metres visible skyline area surrounding a designated remote tourism lake, provided it does not compromise the forested appearance (≥50% crown closure). iv. <u>From the opening of walleye season to the end of the second week of the gun moose hunt</u>, activity in aggregate pits is not permitted within the 0-2000m modified zone.		

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	v. The installation of water crossings on cold water streams must occur between June 16 and August 31. Therefore, the installation of cold-water crossings, the construction of roads and the removal of aggregate from forestry aggregate pits up to or between cold water crossings will be permitted between June 16 and August 31. The extraction of aggregate or other necessary work in aggregate pits in areas that are normally subject to timing restrictions will be limited during the restricted period to that necessary to provide access to the cold water crossing and the installation of the crossing. vi. The company will consult with affected tourism operators to schedule the most appropriate time for conducting this work and the MNRF will be notified of consultation between outfitter and forest industry yielding agreement to conduct forest operations within controlled timing window, prior to commencement of forest operations. vii. Once forest management activities have been completed, pits will be rehabilitated and closed, unless agreed to by the affected tourism operator(s), the MRNF, and the SFL. If ownership of the affected remote tourism establishment changes, the agreement must be re-negotiated between the affected parties	

AOC ID	Group AOC	Description of value		
RTO (RTO 1-2)	Yes	Designated remote outpost lodge and associated waterbody. This AOC applies to the following lakes: Ahmabel Lake, Fraser Lake, Linbarr Lake, Lessard Lake, Buffalo Island Lake, Shekak Lake, McCoy Lake, White Owl Lake, Bayfield Lake, Lascelles Lake, Kabinakagamisis Lake, Breckenridge Lake, Nameigos Lake, Bruce Lake, Ermine Lake, Tony Lake (Moose), Crescent Lake, Cigar Lake, Upper Pichogen Lake, Pichogen Lake.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception
	RTO-1: Designated remote tourism outpost lodge (structure) 300-meter AOC measured from the established property boundary of the outpost lodge location. **Reserve: 0-300 meters** • Harvest, renewal, and tending operations are not permitted.		Wawa District Crown Land Use Harmonization Project Management Guidelines (2015) (pages 44-45). RTO-1 reserve, per pg 65	No

	RTO-2: Designated remote tourism outpost lodge water and viewscape reserves
	
	1000-meter AOC, measured from the productive forest edge at the lake shoreline
	
	For mapping purposes, the AOC will be measured from polygons identified as productive forest (NOT polygons identified as treed muskeg, swamp, or brush). If the inner edge of the AOC will be ≥ 300 m from the shoreline of a lake or pond when these criteria are used, an AOC is not required adjacent to those sections of shoreline, unless the intervening wetland is known to provide components of fish habitat for which there is a high species' dependence (e.g. spawning habitat).
	
	In order maintain a forested appearance from the perspective of the water, a viewscape analysis was conducted to identify areas where bear ground would be visible from the perspective of the water should the harvest area be completely depleted. These areas are defined as being "visible from the lake" and were treated as no-cut reserves.
	
	Reserve: 0-120 meters
	• Harvest, renewal, and tending operations are not permitted.
	
	Modified(a): 121-1000 meters
	• *In areas visible from the lake:*
	  ○ Harvest, renewal, and tending are not permitted.
	
	• *In areas not visible from the lake:*
	  ○ Harvest, renewal, and tending operations are permitted.
	
	• The company will aim to decommission roads within 3 years of the completion of harvest; however, this window may be extended if further renewal treatments are required. Any extensions to this window must be approved by the MNRF.
		"exceptions" column, item "4.1.2d".	

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	○ access restriction measures that don't compromise the integrity of the road base (e.g. slash piling or berms) may be implemented in the interim if the window is extended beyond the 3-year period. **Modified(b): 0-1000 meters** • From the opening of walleye season to the end of the second week of the gun moose hunt, harvesting and mechanical site preparation are not permitted (for "noise control"). This timing restriction may not apply when facilities are not in operation. ○ Seasonal timing restrictions can be modified on a case by case basis where otherwise agreed upon by the MNRF, Forestry or Industrial company, and the tourism establishment through a re-source stewardship agreement or other instrument. MNRF is to be notified of consultation be-tween outfitters and forest industry yielding agreement to conduct forestry operations within controlled timing windows, prior to the commencement of forest operations. • Site preparation may be permitted during the frost-free season, but will be limited to the hours of 8:00 am and 6:00 pm from the opening of walleye season to the end of the 2nd week of moose hunt rifle season. ○ Seasonal timing restrictions can be modified on a case by case basis where otherwise agreed upon by the MNRF, Forestry or Industrial company, and the tourism establishment through a resource stewardship agreement or other instrument. MNRF is to be notified of consultation between outfitters and forest industry yielding agreement to conduct forestry operations within controlled timing windows, prior to the commencement of forest operations.		
	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	RTO-2: Designated remote tourism outpost camp water and viewscape reserves i. Primary and branch road construction is not permitted within the 1000-meter AOC.		

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	ii. From the opening of walleye season to the end of the second week of the gun moose hunt, road construction and hauling operations are not permitted within the 0-1000m modified zone.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	RTO-2: Designated remote tourism outpost camp water and viewscape reserves i. From the opening of walleye season to the end of the second week of the gun moose hunt, road construction and hauling operations are not permitted within the 0-1000m modified zone. ii. New operational roads are not permitted within 400 meters of the shoreline of the lake. iii. New roads will be decommissioned upon the completion of forest management activities (i.e. completion of renewal treatments). o The company will aim to decommission access within 3 years of completion of harvest; however, this window may need to be extended if further renewal treatments are required. Any extensions to this window must be approved by the MNRF. Access restriction measures that don't compromise the integrity of the road base (e.g. slash piling or berms) may be implemented in the interim if the window is extended beyond the 3-year period. The road will be built to the lowest possible standard. iv. Lowest cost will not be the sole or overriding justification. v. Tourism values have been considered and all reasonable measures will be undertaken to minimize harmful impacts and to protect a perception of inaccessibility and isolation. vi. The construction of roads up to or between cold water crossings will be permitted to comply with the cold water in-stream timing restriction of June 16th to August 31st. The company will consult with the affected tourism operators to schedule the most appropriate time for conducting this work.		

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	vii. The SFL will advise MNRF Wawa District Office if any existing trails are found leading to or within a RTM AOC when constructing operational roads.		
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		
	RTO-2: Designated remote tourism outpost camp water and viewscape reserves i. Aggregate pits are not permitted within 400 metres of the shoreline ii. Aggregate pits are not permitted within the visible skyline AOC within 500 metres from the designated lake. iii. Forestry aggregate pits may be established between 501-1000 metres visible skyline area surrounding a designated remote tourism lake, provided it does not compromise the forested appearance (≥50% crown closure). iv. From the opening of walleye season to the end of the second week of the gun moose hunt, activity in aggregate pits is not permitted within the 0-1000m modified zone. v. The installation of water crossings on cold water streams must occur between June 16 and August 31. Therefore, the installation of cold-water crossings, the construction of roads and the removal of aggregate from forestry aggregate pits up to or between cold water crossings will be permitted between June 16 and August 31. The extraction of aggregate or other necessary work in aggregate pits in areas that are normally subject to timing restrictions will be limited during the restricted period to that necessary to provide access to the cold water crossing and the installation of the crossing. vi. The Company will consult with affected tourism operators to schedule the most appropriate time for conducting this work and the MNRF will be notified of consultation between outfitter and forest industry yielding agreement to conduct forest operations within controlled timing window, prior to commencement of forest operations. vii. Once forest management activities have been completed, pits will be rehabilitated and closed, unless agreed to by the affected tourism operator(s), the MRNF, and the SFL. If ownership of the affected remote tourism establishment changes, the agreement must be re-negotiated between the affected parties		

AOC ID	Group AOC	Description of value

MANAGEMENT UNIT NAME: NAGAGAMI FOREST
PLAN PERIOD: April 1, 2021 to March 31, 2031

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

RW	Yes	Railway Line.		
	A. Operational Prescriptions for areas of concern			
	Operational Prescription		Source	Exception

	RW - Railway
	
	30-meter AOC measured from the edge of the railway right of way.
	
	Reserve: none
	
	Modified: 0-30 meters
	• Harvesting is permitted within this AOC subject to the following:
	  ○ Approval from the rail line owner has been obtained.
	  ○ No trees may be felled into the right of way.
	  ○ Any logging debris within the right of way must be removed.
	  ○ No heavy equipment is permitted within 10 meters of the railway right of way.
	  ○ The local MNRF will be notified prior to harvesting land adjacent to the right of way.
	  ○ Renewal and tending will be permitted within the AOC if approval has been provided by the rail line owner
			2006 FMP Planning Team	No

	B: Primary Roads, Branch Roads, and Landings			
	Planned or Existing Conditions on Location, Construction or Use		Public Comment	Exception
	i. New primary and branch roads are not permitted within the 30-meter AOC. ii. No conditions on existing roads and landings			
	C: Operational Roads and Landings			
	Planned or Existing Conditions on Location, Construction or Use		Public Comment	Exception

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	i. New operational roads are permitted within the 30-meter AOC. ii. Landings are not permitted within the 30-meter AOC or rail right of way iii. No conditions on existing roads and landings		
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		
	i. New aggregate pits are not permitted within the 30-meter AOC, or within 15 meters of the boundary of the AOC.		

AOC ID	**Group AOC**	**Description of value**		
SH	Yes	Riparian Zone Harvest. **Harvest adjacent to lakes and ponds (SH-1)** Specific areas planned for riparian zone harvest including: Large, medium and small lakes and high, moderate and low potential ponds. Riparian zone areas planned for harvest are specifically mapped and designed to follow the SH1 AOC prescription including the planned harvest conditions. Riparian zones where no harvest is planned will follow the RHZ AOC prescriptions. **Harvest adjacent to rivers and streams (SH-2)** Specific areas planned for riparian zone harvest including: high and moderate potential rivers and streams. Riparian zone areas planned for harvest are specifically mapped and designed to follow the SH-2 AOC prescription including the planned harvest conditions. Riparian zones where no harvest is planned will follow the RHZ AOC prescriptions.		
	A. Operational Prescriptions for areas of concern		
	Operational Prescription	Source	Exception
	SH-1: Lakes and ponds 30-meter to 50-meter AOC (According to Slope). *This prescription will only be applied to shorelines with slopes <=30%.*	Forest Management Guide for Conserving	No

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

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<tr><th>Slope (%)</th><th>Slope (degrees)</th><th>Width of AOC</th></tr>
<tr><td>0-15</td><td>0-8.5</td><td>30 meters</td></tr>
<tr><td>>15-30</td><td>8.6-16.7</td><td>50 meters</td></tr>
<tr><td>>30-45</td><td>16.8-24.2</td><td>70 meters</td></tr>
<tr><td>>45</td><td>>24.2</td><td>90 meters</td></tr>
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The AOC is measured in the field from the edge of vegetation communities capable of providing an effective barrier to the movement of sediment. This will normally be those communities with ≥25% canopy cover of trees, tall (≥1 meter high) woody shrubs such as alder or willow, or low (<1 meter high) woody evergreen shrubs such as Labrador tea or Leatherleaf.

For mapping purposes, the AOC will be measured from the edge of polygons identified as productive forest, treed muskeg swamp or brush. If the inner edge of the AOC will be ≥ 300 m from the shoreline of a lake or pond when these criteria are used, an AOC is not required adjacent to those sections of shoreline, unless the intervening wetland is known to provide components of fish habitat for which there is a high species' dependence (e.g. spawning habitat).

Reserve: none

Modified: 0-30 or 0-50 meters

<u>Harvest</u>
• Harvest is permitted within the AOC as mapped.

<u>Residual forest retention considerations</u>
1) Within the inner 15 m of the AOC, at least 10 trees/100 m of shoreline spaced about 10 m apart will be retained as a potential source of future aquatic coarse woody material. Living trees with the following characteristics will be preferentially retained:
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<td>Biodiversity at the Stand and Site Scale, OMNRF 2010 (pages 39-44 and 48-54)</td>
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FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	a. At least 15 m tall (or the tallest of those available) b. Close to the shoreline (ideally within ½ the height of the tree) c. Leaning toward the shoreline d. Coniferous supercanopy trees, scattered conifers, and veterans, especially large cedars, white pines, red pines, white spruces and jack pines. 2) Within the remainder of the AOC, the general direction for retention of wildlife trees in regular harvest areas will be followed (per FMP Text Section X.X.X.X). However, the focus will be on living trees with preferential retention of windfirm trees that provide the following special habitat features for wildlife: a. Supercanopy trees (all forest units) of value to eagles and ospreys such as white and red pines (and poplars in the boreal forest) b. Large living hardwood trees with existing cavities or the potential to develop cavities (all forest units) c. Veteran trees (clearcut forest units). ***<u>Prohibited operations</u>*** • Machine travel within the inner 3 meters of the AOC. • Operations that will result in damage to littoral zones or shorelines and associated stabilizing vegetation, or deposition of sediment within lakes or ponds. • Felling of trees into lakes or ponds or the inner 3 meters of the AOC. Trees accidentally felled into lakes or ponds will be left where they fall. • Excessive removal or damage of sapling-sized trees (<10 cm dbh) and shrubs within the inner 3 meters of the AOC. • Disturbance of the forest floor that leaves ruts or a significant area of exposed mineral soil within the inner 15 meters of the AOC. ○ Ruts and significant patches of exposed mineral soil will be promptly rehabilitated to prevent sediment from entering a water feature. Patches of mineral soil exposed by natural events are excluded (e.g. uprooting). • Disturbance of the forest floor that disrupts hydrological function (i.e., impedes, accelerates, or diverts water movement) within recognizable ephemeral streams, springs, seeps, and other areas of groundwater discharge connected to lakes or ponds.		

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	Herbicide application • Aerial application of pesticides for renewal, tending, or protection is permitted within the AOC, but will follow spray buffer zones for significant areas or sensitive areas (as appropriate) as prescribed in the Ontario Ministry of Environment/Ontario Ministry of Natural Resources Buffer Zone Guidelines for Aerial Application of Pesticides in Crown Forests of Ontario (1992). • Machine-based ground application of herbicides (e.g., air-blast sprayers mounted on skidders) is permitted within the AOC; spray buffer zones will be 30 m for significant areas and 60 m for sensitive areas. • Hand-based ground application of herbicides (e.g., back-pack sprayers) is permitted within the AOC; spray buffer zones will be 3 m. All spray buffer zones will be measured from the inner boundary of the AOC. • To prevent contamination of streams by foreign materials, the following will occur: o The use and storage of fuels will be carried out in accordance with the Liquid Fuels Handling Code. o No equipment maintenance (washing or changing oil) is permitted within 15 meters of the active channel. ***Planning considerations*** Shoreline harvest areas were identified in accordance with the following criteria: ▪ Forest that meets the definition of residual (per FMP Text Section X.X.X.X) must be retained within the AOC (based on delineation of the AOC along the entire water feature, both within and outside the harvest area). ○ ≥50% of the area of the AOC (based on delineation of the AOC around the entire water feature, both inside and outside the harvest area) associated with small lakes, HPS ponds, and MPS ponds. ○ ≥75% of the area of the AOC associated with medium lakes. ○ ≥90% of the area of the AOC associated with large lakes. ▪ Harvest that retains forest that does not meet the definition of residual (e.g., conventional clearcutting) is permitted within the AOC only where slope is ≤30%.		

- For each ha of shoreline forest harvested that does not meet the definition of residual, 1 ha of residual shoreline forest will be retained that has not been harvested within 20 years.
- When retaining residual shoreline forest, the inner 15 meters will be mature forest with a relatively uniform canopy closure ≥60% (canopy openings not to exceed individual tree crowns) unless the adjacent harvest area outside the AOC meets the definition of residual forest (per FMP Text Section X.X.X.X).
- Wildlife trees and downed woody material will be retained within the regular harvest portion of the AOC (per FMP Text Sections X.X.X.X and X.X.X.X, respectively). Wildlife trees that may function as potential nest, perch, and roost sites will be preferentially retained based on the following order of priority: 1) supercanopy trees, 2) veteran trees, 3) cavity trees, and 4) other live dominant or co-dominant trees that are wind firm. White pine, red pine, and poplar will be favoured when available.
- Reasonable efforts will be made to ensure that extraction trails will not cross recognizable ephemeral streams, springs, seeps, and other areas of groundwater discharge when not solidly frozen. When these features are crossed, special care will be taken; temporary crossing structures that do not impede, accelerate, or divert water movement will be used when appropriate. These measures are intended to minimize rutting, compaction, and mineral soil exposure that could lead to erosion and subsequent transport and deposition of sediment in lakes or ponds.

SH-2: Rivers and streams

30-meter to 50-meter AOC (according to slope). *This prescription will only be applied to shorelines with slopes <=30%.*

Slope (%)	Slope (degrees)	Width of AOC
0-15	0-8.5	30 meters
>15-30	8.6-16.7	50 meters
>30-45	16.8-24.2	70 meters

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>45	>24.2	90 meters	

The AOC is measured in the field from the edge of vegetation communities capable of providing an effective barrier to the movement of sediment. This will normally be those communities with ≥25% canopy cover of trees, tall (≥1 meter high) woody shrubs such as alder or willow, or low (<1 meter high) woody evergreen shrubs such as Labrador tea or Leatherleaf.

For mapping purposes, the AOC will be measured from the edge of polygons identified as productive forest, treed muskeg swamp or brush. If the inner edge of the AOC will be ≥ 300 m from the shoreline of a lake or pond when these criteria are used, an AOC is not required adjacent to those sections of shoreline, unless the intervening wetland is known to provide components of fish habitat for which there is a high species' dependence (e.g. spawning habitat).

Reserve: 0-15m Measured from the edge of the active channel

Modified: 0-30 or 0-50 meters Measured from the edge of edge of vegetation communities capable of providing an effective barrier to the movement of sediment (as described above)

Harvest

- Harvest is permitted within the AOC as mapped

Residual forest retention considerations

1) Mature forest with >60% canopy closure (i.e. canopy openings do nto exceed individual tree crowns) must be maintained within 15 meters of the active channel. If the inner edge of the AOC is >15m from the active channel, this minimum canopy closure does not apply
2) Within the remainder of the AOC, the general direction for retention of wildlife trees in regular harvest areas will be followed (per FMP Text Section X.X.X.X). However, the focus will be on living trees with preferential retention of windfirm trees that provide the following special habitat features for wildlife:

FMP-11 Operational Prescriptions for Areas of Concern and Conditions on Roads, Landings, and Forestry Aggregate Pits

	a. Supercanopy trees (all forest units) of value to eagles and ospreys such as white and red pines (and poplars in the boreal forest) b. Large living hardwood trees with existing cavities or the potential to develop cavities (all forest units) c. Veteran trees (clearcut forest units). 3) Within the inner 15 m of the AOC, at least 10 trees/100 m of shoreline spaced about 10 m apart will be retained as a potential source of future aquatic coarse woody material. Living trees with the following characteristics will be preferentially retained: a. At least 15 m tall (or the tallest of those available) b. Close to the shoreline (ideally within ½ the height of the tree) c. Leaning toward the shoreline d. Coniferous supercanopy trees, scattered conifers, and veterans, especially large cedars, white pines, red pines, white spruces and jack pines. ***Prohibited operations*** • Machine travel within the inner 3 meters of the AOC. • Operations that will result in damage to littoral zones or shorelines and associated stabilizing vegetation, or deposition of sediment within lakes or ponds. • Felling of trees into lakes or ponds or the inner 3 meters of the AOC. Trees accidentally felled into lakes or ponds will be left where they fall. • Excessive removal or damage of sapling-sized trees (<10 cm dbh) and shrubs within the inner 3 meters of the AOC. • Disturbance of the forest floor that leaves ruts or a significant area of exposed mineral soil within the inner 15 meters of the AOC. ○ Ruts and significant patches of exposed mineral soil will be promptly rehabilitated to prevent sediment from entering a water feature. Patches of mineral soil exposed by natural events are excluded (e.g. uprooting). • Disturbance of the forest floor that disrupts hydrological function (i.e., impedes, accelerates, or diverts water movement) within recognizable ephemeral streams, springs, seeps, and other areas of groundwater discharge connected to lakes or ponds.		

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	Herbicide application
	• Aerial application of pesticides for renewal, tending, or protection is permitted within the AOC, but will follow spray buffer zones for significant areas or sensitive areas (as appropriate) as prescribed in the Ontario Ministry of Environment/Ontario Ministry of Natural Resources Buffer Zone Guidelines for Aerial Application of Pesticides in Crown Forests of Ontario (1992).
	• Machine-based ground application of herbicides (e.g., air-blast sprayers mounted on skidders) is permitted within the AOC; spray buffer zones will be 30m for significant areas and 60m for sensitive areas.
	• Hand-based ground application of herbicides (e.g., back-pack sprayers) is permitted within the AOC; spray buffer zones will be 3 m. All spray buffer zones will be measured from the inner boundary of the AOC.
	• To prevent contamination of streams by foreign materials, the following will occur:
	  o The use and storage of fuels will be carried out in accordance with the Liquid Fuels Handling Code.
	  o No equipment maintenance (washing or changing oil) is permitted within 15 meters of the active channel.
	
	Planning considerations
	Modified harvest areas were identified in accordance with the following criteria:
	• Forest that meets the definition of residual (per FMP Text Section X.X.X.X) must be retained within the AOC (based on delineation of the AOC along the entire water feature, both within and outside the harvest area) on at least 1 side of rivers, HPS streams, and MPS streams to provide a travel corridor.
	• Mature forest with relatively uniform canopy closure ≥60% (canopy openings not to exceed individual tree crowns) must be retained within 15 meters of *the active channel* on both sides of HPS and MPS streams to provide shade. If the AOC boundary (as defined above), is ≥ 15 meters from the active channel, retention of mature forest is not required.
	• When retaining residual shoreline forest, the inner 15 meters (measured from the edge of the active channel) will be mature forest with a relatively uniform canopy closure ≥60%		

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	(canopy openings not to exceed individual tree crowns) unless the adjacent harvest area outside the AOC meets the definition of residual forest (per FMP Text Section X.X.X.X). • If forest is not mature or does not have an initial canopy closure ≥60%, harvest is not permitted. • For each ha of shoreline forest harvested that does not meet the definition of residual, 1 ha of residual shoreline forest will be retained that has not been harvested within 20 years. • Harvest that retains forest that does not meet the definition of residual (e.g., conventional clearcutting) is permitted within the AOC only where slope is ≤30%. • Wildlife trees and downed woody material will be retained within the regular harvest portion of the AOC (per FMP Text Sections X.X.X.X and X.X.X.X, respectively). Wildlife trees that may function as potential nest, perch, and roost sites will be preferentially retained based on the following order of priority: 1) supercanopy trees, 2) veteran trees, 3) cavity trees, and 4) other live dominant or co-dominant trees that are wind firm. White pine, red pine, and poplar will be favoured when available. • Reasonable efforts will be made to ensure that extraction trails will not cross recognizable ephemeral streams, springs, seeps, and other areas of groundwater discharge when not solidly frozen. When these features are crossed, special care will be taken; temporary crossing structures that do not impede, accelerate, or divert water movement will be used when appropriate. These measures are intended to minimize rutting, compaction, and mineral soil exposure that could lead to erosion and subsequent transport and deposition of sediment into rivers or streams.		
	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	Lakes and ponds (SH-1) i. New landings are not permitted within the 30 to 90-meter AOC, depending on slope. (*Note: MPS is always a 30-meters AOC, regardless of slope*)		

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	ii. New or reconstructed primary or branch roads that are not associated with an approved crossing are only permitted within the AOC if no practical or feasible alternative exists, appropriate mitigative measures will be taken to minimize the risk of sediment entering the waterbody. a. When new or reconstructed primary and branch roads traverse residual forest within the AOC, the width of the cleared corridor will normally not exceed **20** metres. **River and streams (SH-2)** i. New landings are not permitted within the 30 to 90-meter AOC, depending on slope. (*Note: MPS is always a 30-meters AOC, regardless of slope*). ii. New or reconstructed primary and branch roads that are not associated with an approved crossing are only permitted within the AOC if no practical or feasible alternative exists, appropriate mitigative measures will be taken to minimize the risk of sediment entering the watercourse. Additionally, the road, including specific location, is identified and justified through the FMP AOC planning process. iii. New primary and branch roads that traverse the AOC will be planned to avoid areas with a high potential to contain ephemeral streams, springs, seeps, and other areas of groundwater discharge. Crossings of recognizable ephemeral streams, springs, seeps, and other areas of groundwater discharge will consider design principles that minimize the risk of sediment delivery and disruption of hydrological function. iv. Crossings of recognizable ephemeral streams, springs, seeps, and other areas of groundwater discharge will consider design principles to minimize the risk of sediment delivery and disruption of hydrological function. a. When new or reconstructed primary and branch roads traverse residual forest within the AOC, the width of the cleared corridor will normally not exceed **20** metres.		
	C: Operational Roads and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception

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	Lakes and ponds (SH-1) i. New landings are not permitted within the AOC. ii. New or reconstructed operational roads that are not associated with an approved crossing are only permitted within the AOC if no practical or feasible alternative exists, appropriate mitigative measures will be taken to minimize the risk of sediment entering the waterbody. a. When new or reconstructed operational roads traverse residual forest within the AOC, the width of the cleared corridor will normally not exceed **20** metres. **River and streams (SH-2)** i. New Landings are not permitted within the AOC. ii. New or reconstructed operational roads that are not associated with an approved crossing are only permitted within the AOC if no practical or feasible alternative exists, appropriate mitigative measures will be taken to minimize the risk of sediment entering the watercourse. Additionally, the road, including specific location, is identified and justified through the FMP AOC planning process. iii. New operational roads that traverse the AOC will be planned to avoid areas with a high potential to contain ephemeral streams, springs, seeps, and other areas of groundwater discharge. Crossings of recognizable ephemeral streams, springs, seeps, and other areas of groundwater discharge will consider design principles that minimize the risk of sediment delivery and disruption of hydrological function. iv. Crossings of recognizable ephemeral streams, springs, seeps, and other areas of groundwater discharge will consider design principles to minimize the risk of sediment delivery and disruption of hydrological function. a. When new or reconstructed operational roads traverse residual forest within the AOC, the width of the cleared corridor will normally not exceed **20** metres.	No	
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Conditions on Location, Construction or Use		

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	Lakes and ponds (SH-1) i. Aggregate pits are not permitted within the 30-meter AOC, or within 15 meters of the boundary of the AOC. **River and streams (SH-2)** i. Aggregate pits are not permitted within the 30-meter AOC, or within 15 meters of the boundary of the AOC.	

AOC ID	Group AOC	Description of value
USR (USR 1-4)	Yes	Uncommon stick nesting raptor nest. **Red Shouldered Hawk primary nests (USR-1)** Nests known or suspected to have been occupied at least once within the past 5 years (i.e., active nests), unless the nest and all associated nests within the nesting area have been documented as unoccupied for ≥3 consecutive years, in which case the nest is considered inactive. When ≥2 active nests occur in sufficiently close proximity to be considered part of the nesting area of an individual pair, the nest with the most recent known or suspected history of occupancy within this nesting area is the primary nest; the other active nest(s) is (are) considered alternate nests. Direction applies to nests known before, or found during, operations. **Great Grey Owl and Northern Goshawk Primary nests (USR-2)** Nests known or suspected to have been occupied at least once within the past 5 years (i.e., active nests), unless the nest and all associated nests within the nesting area have been documented as unoccupied for ≥3 consecutive years, in which case the nest is considered inactive. When ≥2 active nests occur in sufficiently close proximity to be considered part of the nesting area of an individual pair, the nest with the most recent known or suspected history of occupancy within this nesting area is the primary nest; the other active nest(s) is (are) considered alternate nests. Direction applies to nests known before, or found during, operations. **Red-shouldered Hawk, Great Grey Owl, and Northern Goshawk alternate nests (USR-3)** Nests known or suspected to have been occupied at least once within the past 5 years that are not primary nests, and the nest is considered alternate or any nest in good repair within 400m of the primary nest. When ≥2 active nests occur in sufficient proximity to be considered part of the nesting area of an individual pair, the nest with the less recent known or

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suspected history of occupancy within the nesting area is the alternate nest. Direction applies to nests known before, or found during, operations.

Red-shouldered Hawk, Great Grey Owl, and Northern Goshawk inactive nests (USR-4)
Nests known or suspected to have been occupied at least once within the past 5 years that are either:

- >400 m from a primary nest, or
- ≤400 m from a primary nest, but in poor repair

Direction applies to nests known before, or found during, operations.

A. Operational Prescriptions for areas of concern

Operational Prescription	Source	Exception

USR-1: Red-Shouldered Hawk Primary Nest
 	
400-meter AOC centered on primary nests
 	
Reserve: 0-50 meters
• Harvest operations are not permitted.
  ○ If some harvest occurs within 50 m of a primary nest prior to its discovery, the primary nest will be retained in a 0.8 ha unharvested patch that is as nearly circular as possible (to minimize edge).
 	
• A total of 28 hectares of suitable nesting habitat (Residual forest) will be retained within the 400-meter AOC. Suitable nesting habitat is mature forest with a relatively uniform canopy closure ≥70%, average size of canopy openings not to exceed individual tree crowns, and maximum size of canopy gaps ≤0.1 hectares including the 50m reserve.
  ○ The 50 m radius (0.8 ha) patch(es) of unharvested forest surrounding the primary nest (and any alternate nests) contribute(s) to the 28 ha patch of suitable nesting habitat
 	
Modified: 51-400 meters
• 7 hectares of the 28 hectares of suitable nesting habitat will be retained within 200 meters of the primary nest; any harvest will follow the residual stand structure targets for creation
	Forest Management Guide for Conserving Biodiversity at the Stand and Site Scale, OMNRF 2010, (pages 77-81)	No

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of old growth forest conditions (5-5-5-5 m2/ha of poles, small logs, medium logs, and large logs, respectively; see the Ontario Tree Marking Guide, page 100); the remaining 21 hectares of suitable nesting habitat may be located anywhere within the 400-meter AOC.

- 7 ha of residual within 200m of a nest may be accomplished by applying a 0-150m no-cut reserve centered on the nest (*Note: This is a recommendation and not a requirement*).

- Harvest that changes development stage, reduces canopy closure below 60%, or creates canopy openings that exceed individual tree crowns is not permitted within 200 m of the primary nest.
- Wildlife trees and downed woody material (as defined in the corresponding Conditions on regular operations in supplementary documentation 6.1(q)) will be retained within harvested portions of the 400-meter AOC.
- Within the entire AOC, renewal and tending operations that will leave a residual stand structure below the minimum described above are not permitted.
- During the critical breeding period (March 15 to July 15), renewal and tending operations are permitted within 50-200m of a primary nest, based on the potential impact of the operation (*refer to impact table below*)

Impact table:

Potential Impact	No Operations Within
High	200 m
Moderate	100 m
Low	50 m

High *= harvesting, road construction, site preparation, large scale tree plant (>=5 people),* ***Moderate*** *= Small Tree Plant (<5 people),* ***Low*** *= aerial application of herbicides, boundary marking, hauling, road maintenance. Refer to page 192-193 of the stand and site guide for full definitions.*

Additional notes for USR-1

When mature forest is retained as suitable nesting habitat within the AOC, to the extent practical and feasible:

	• Suitable nesting habitat will be retained as a contiguous patch that encompasses the primary nest and any alternate nests.
	• Suitable nesting habitat will be retained as a circular patch centered on the primary nest (300 m radius circle) if the primary nest occurs in a large uniform block of habitat. Suitable nesting habitat will be retained as an irregularly shaped patch (contained within the 400 m AOC) if this configuration better encompasses primary and alternate nests as well as preferred habitat.
	
	USR-2: Northern Goshawk and Great Grey Owl primary nest
	
	400-meter AOC centered on primary nests
	
	Reserve: 0-50 meters
	• Harvest operations are not permitted.
	  ○ If some harvest occurs within 50 m of a primary nest prior to its discovery, the primary nest will be retained in a 0.8 ha unharvested patch that is as nearly circular as possible (to minimize edge).
	
	• A total of 28 hectares of suitable nesting habitat (defined below) will be retained within the 400-meter AOC.
	  ○ The 50 m radius (0.8 ha) patch(es) of unharvested forest surrounding the primary nest (and any alternate nests) contribute(s) to the 28 ha patch of suitable nesting habitat.
	
	• <u>During the critical breeding period (March 15 to July 15 for Great Grey Own and northern Goshawk)</u>, renewal and tending operations are permitted within 50-200m of a primary nest, based on the potential impact of the operation (*refer to impact table below*)
	
	Modified: 51-400 meters		

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- 7 hectares of the 28 hectares of suitable nesting habitat will be retained within 0-200 meters of the primary nest, and will be mature forest with relatively uniform canopy closure (≥ 70%) and canopy openings that do not exceed individual tree crowns.
    - 7 ha of suitable nesting habitat within 200m of a nest may be accomplished by applying a 0-150m no-cut reserve centered on the nest (*Note: This is a recommendation and not a requirement*).
- The remaining 21 ha will be located any where within 201-400m of the nest, and will be mature forest (≥50% canopy closure) with canopy gaps ≤ 0.1 ha.
- Harvest that changes development stage, reduces canopy closure below 50%, or creates canopy gaps >0.1 ha is not permitted within 200 m of the primary nest **(northern goshawk only).**
- Wildlife trees and downed woody material (as defined in the corresponding conditions on regular operations Supp doc 6.1(q)) will be retained within harvested portions of the 400-meter AOC.
- Within the entire AOC, renewal and tending operations that will leave a residual stand structure below the minimum described above are not permitted.

Impact table:

Potential Impact	No Operations Within
High	200 m
Moderate	100 m
Low	50 m

High *= harvesting, road construction, site preparation, large scale tree plant (>=5 people),* ***Moderate*** *= Small Tree Plant (<5 people),* ***Low*** *= aerial application of herbicides, boundary marking, hauling, road maintenance. Refer to page 192-193 of the stand and site guide for full definitions.*

Additional notes for USR-2

When mature forest is retained as suitable nesting habitat within the AOC, to the extent practical and feasible:

	• Suitable nesting habitat will be retained as a contiguous patch that encompasses the primary nest and any alternate nests. • Suitable nesting habitat will be retained as a circular patch centered on the primary nest (300 m radius circle) if the primary nest occurs in a large uniform block of habitat. Suitable nesting habitat will be retained as an irregularly shaped patch (contained within the 400 m AOC) if this configuration better encompasses primary and alternate nests as well as preferred habitat. **USR-3: Great Gray Owl, Northern Goshawk, or Red-Shouldered Hawk Alternate Nest** 50-meter AOC centered on alternate nests. **Reserve: 0-50 meters** • Harvest, renewal, and tending are not permitted. ○ If harvesting occurs within the 0-50 metre reserve prior to its discovery, the alternate nest will be retained in a 0.8-hectare un-harvested patch that is as circular as possible to minimize edge; **Modified: none** **USR-4: Great Gray Owl, Northern Goshawk, or Red Shouldered Hawk Inactive Nest** 20-meter AOC centered on inactive nests **Reserve: 0-20 meters** • Harvest, renewal or tending operations are not permitted if the nest is in good repair; • If the nest is in poor repair, nest tree will be retained as a wildlife tree.		

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	• There are no timing restrictions on harvest, renewal or tending operations around inactive nests. **Modified: None**		
	B: Primary Roads, Branch Roads, and Landings		
	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	Red Shouldered Hawk primary nests (USR-1) i. New primary roads, branch roads, and landings are not permitted within the 0-50m reserve, or within the 7-ha patch of suitable habitat retained within 200 metres of the nest ii. Reasonable effort will be made to avoid constructing new primary roads, branch roads, and landings within 51-200m of the nest o If roads are constructed, temporary roads and/or water crossings will be used whenever practical and feasible to limit future access and disturbance and the width of the cleared corridor will be as narrow as practical and feasible, and will not exceed 20 m. iii. <u>During the critical breeding period (March 15 to July 15)</u>, operations associated with primary and branch road construction are not permitted, unless required for safety reasons or environmental protection. iv. There is no timing restriction on hauling or low potential impact road maintenance operations (e.g., grading) if the road predates the nest. v. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. **Great Grey Owl and North Goshawk Primary nests (USR-2)** i. New primary roads, branch roads, and landings are not permitted within the 0-50m reserve, or within the 7-ha patch of suitable habitat retained within 200 metres of the nest		

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	ii. Reasonable effort will be made to avoid constructing new primary roads, branch roads, and landings within 51-200m of the nest o If roads are constructed, temporary roads and/or water crossings will be used whenever practical and feasible to limit future access and disturbance and the width of the cleared corridor will be as narrow as practical and feasible, and will not exceed 20 m. iii. During the critical breeding period (March 15 to July 15), operations associated with primary and branch road construction are not permitted, unless required for safety reasons or environmental protection. iv. There is no timing restriction on hauling or low potential impact road maintenance operations (e.g., grading) if the road predates the nest. v. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. **Red-shouldered Hawk, Great Grey Owl, and Norther Goshawk alternate nests (USR-3)** i. New primary roads, branch roads, and landings are not permitted within the 50-meter AOC. ii. No timing restrictions on operations associated with primary roads, branch roads, and landings. iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. **Red-shouldered Hawk, Great Grey Owl, and Norther Goshawk inactive nests (USR-4)** i. New primary roads, branch roads, and landings are not permitted within the 20-meter AOC. ii. No timing restrictions on operations associated with primary roads, branch roads, and landings. iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	C: Operational Roads and Landings		

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	Planned or Existing Conditions on Location, Construction or Use	Public Comment	Exception
	Red Shouldered Hawk primary nests (USR-1) i. New operational roads and landings are not permitted within the 0-50m reserve, or within the 7-ha patch of suitable habitat retained within 200 metres of the nest ii. Reasonable effort will be made to avoid constructing new operational roads and landings within 51-200m of the nest a. If roads are constructed, temporary roads and/or water crossings will be used whenever practical and feasible to limit future access and disturbance and the width of the cleared corridor will be as narrow as practical and feasible, and will not exceed 20 m. iii. <u>During the critical breeding period (March 15 to July 15)</u>, operations associated with operational road construction are not permitted, unless required for safety reasons or environmental protection. iv. There is no timing restriction on hauling or low potential impact road maintenance operations (e.g., grading) if the road predates the nest. v. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. **Great Grey Owl and North Goshawk Primary nests (USR-2)** i. New operational roads and landings are not permitted within the 0-50m reserve, or within the 7-ha patch of suitable habitat retained within 200 metres of the nest ii. Reasonable effort will be made to avoid constructing new operational roads and landings within 51-200m of the nest o If roads are constructed, temporary roads and/or water crossings will be used whenever practical and feasible to limit future access and disturbance and the width of the cleared corridor will be as narrow as practical and feasible, and will not exceed 20 m. iii. <u>During the critical breeding period (March 15 to July 15)</u>, operations associated with operational road construction are not permitted, unless required for safety reasons or environmental protection.		

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	iv. There is no timing restriction on hauling or low potential impact road maintenance operations (e.g., grading) if the road predates the nest. v. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. **Red-shouldered Hawk, Great Grey Owl, and Norther Goshawk alternate nests (USR-3)** i. New operational roads or landings are not permitted within the 50-meter AOC. ii. No timing restrictions on operations associated with primary roads, branch roads, and landings. iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window. **Red-shouldered Hawk, Great Grey Owl, and Norther Goshawk inactive nests (USR-4)** i. New roads or landings are not permitted within the 20-meter AOC. ii. No timing restrictions on operations associated with primary roads, branch roads, and landings. iii. No additional conditions on existing roads and landings outside of the seasonal timing restriction window.		
	D: Forestry Aggregate Pits		
	Planned or Existing		Exception
	Red Shouldered Hawk primary nests (USR-1) i. New aggregate pits are not permitted within the 0-50m reserve, or within the 7-ha patch of suitable habitat retained within 200 metres of the nest. ii. Reasonable effort will be made to avoid constructing new aggregate pits within 51-200m of the nest. iii. <u>During the critical breeding period (March 15 to July 15)</u>, operations associated aggregate pits are not permitted. **Great Grey Owl and North Goshawk Primary nests (USR-2)**		

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	i. New aggregate pits are not permitted within the 0-50m reserve, or within the 7-ha patch of suitable habitat retained within 200 metres of the nest. ii. Reasonable effort will be made to avoid constructing new aggregate pits within 51-200m of the nest. iii. During the critical breeding period (March 15 to July 15), operations associated aggregate pits are not permitted. **Red-shouldered Hawk, Great Grey Owl, and Norther Goshawk alternate nests (USR-3)** i. New aggregate pits are not permitted within the 50-meter AOC, or within 15 meters of the boundary of the AOC **Red-shouldered Hawk, Great Grey Owl, and Norther Goshawk inactive nests (USR-4)** i. New roads or landings are not permitted within the 20-meter AOC, or within 15 meters of the boundary of the AOC	