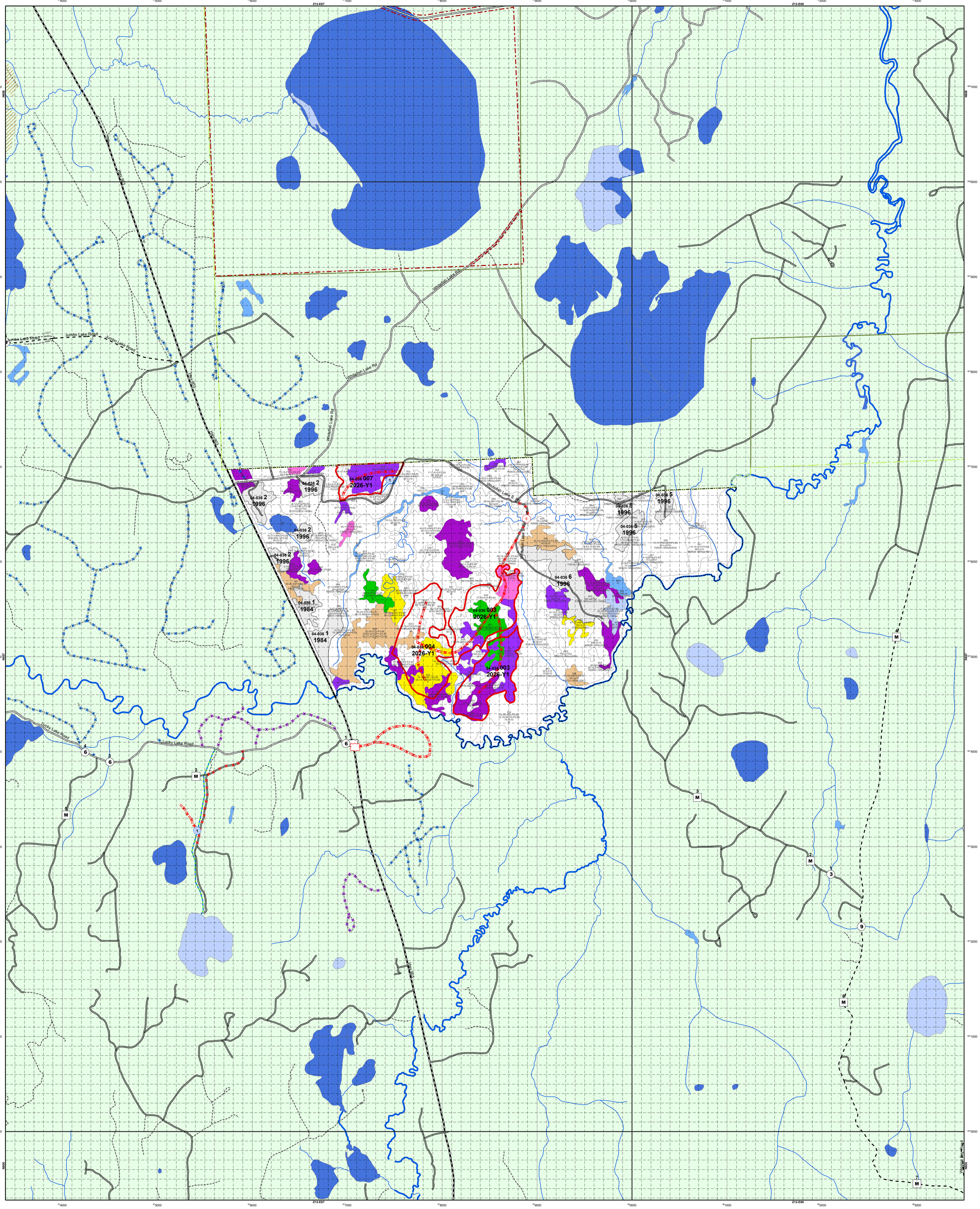


MISTIK MANAGEMENT LTD.

OPERATING AREA MAP

FERN LAKE

MANAGEMENT UNIT 04 - OPERATING AREA 036

YEAR 1 (2026) - YEARS 2-5 (2027 - 2030)

FOREST LABEL REFERENCE

FOREST LABEL REFERENCE

Example SFVI Call:

109 - Stand Number
58 - 22 - tA6wS4 - P5 - 1921a - Tree Layer 1
22 - 12 - wS10 - P1 - 1940d - Tree Layer 2
10 - 7 - bF10 - P3 - 1950d - Tree Layer 3
60 - Ts6Ls4 - Shrub Layer
35 - He4Gr3Fm3 - Herb Layer
VF (CO - 1 - 1978a) (SI - 1 - 1980a) - Disturbance Modifier 2 / Disturbance Modifier 1
Moisture Regime

Crown Closure
1 - 100%, ground cover per layer

Height
Average stand height, in meters, per layer

Tree Species Composition
Species Code / Species Percent (in 10% classes)
Up to 6 tree species per tree layer

Species Codes:

sF	F	Balsam Fir	gA	G	Green Ash
aL	L	Siberian Larch	tA	A	Trembling Aspen
lP	L	Larch	wB	B	White Birch
jP	P	Jack Pine	pC	C	Plains Cottonwood
lP	P	Lodgepole Pine	wE	E	White Elm
rP	P	Red Pine	mM	N	Manitoba Maple
sP	P	Scots Pine	bO	O	Bur Oak
bS	M	Black Spruce	bP	B	Balsam Poplar
wS	S	White Spruce			

Canopy Pattern

Codes:
P0 Single Stems - usually <.20% Crown Closure
P1 Single Patch of Stems/Minimal Scattered Stems
P2 Several Patches of Stems
P3 Several (4 or greater) Patches of Stems
P4 Continuous canopy, openings common, >.60% Crown Closure
P5 Continuous canopy, >.60% Crown Closure

Origin or Disturbance Year
'YYYY' or 'YY' Sometimes the first and last number are dropped so 1990 would appear as 99, and 2000 as 00
'a' - annum - Known to the nearest year from a source
'd' - decadal - Estimated decade of origin

Moisture Regime

Codes:

D	Very Dry	M	Moist
D	Dry	VM	Very Moist
MF	Moderately Fresh	MW	Moderately Wet
F	Fresh	W	Wet
VF	Very Fresh	VW	Very Wet
MM	Moderately Moist	A	Aquatic

Hydrological Features

Codes:

Dl	Lake	R	River
Fl	Flooded Land		

Non-Vegetated Landuse

Codes:

bupg	Built-up: Settlement	mg	Mine: Generic/unknown
bupo	Built-up: Industrial Site	muno	Mine: Open Pit/Gravel
cmty	Cemetery	peatc	Peat Cutting
ofrg	Off-road/Ground/Rec. Site	pipe	Pipeline
ftow	Fire Tower	sdgo	Solids Depot/Dump
gsof	Gas & Oil Facilities	towu	Tower: Generic/unknown
lmby	Lumber Yard	virgu	Vegetation: Agriculture

Shrub Species Composition
Species Code / Species Percent (in 10% classes)
Up to 10 shrub species in the shrub layer

Species Codes:

Ts		Tall Shrubs Category	Ma		Mountain Maple
Al		Alder	Pc		Pin Cherry
Bh		Beaked Hazel	Ss		Saskatoon Berry
Cr		High-bush Cranberry	Wi		Willow
Ls		Low Shrubs Category	Dw		Red-osier Dogwood
Bb		Blueberry	La		Labrador Tea
Bs		Bearberry	Lc		Low-bush Cranberry
Bt		Buffaloberry	Ra		Willd Red Raspberry
Bl		Bog Laurel	Ro		Prickly Rose
Bu		Buffalo Berry	Sn		Western Snowberry
Cl		Shrubby Cinquefoil			
Cu		Currant			

Herb Species Composition
Species Code / Species Percent (in 10% classes)
Up to 10 herb species in the herb layer

Species Codes:

He		Herbs Category	Nc		Northern Comandra
Bu		Bunchberry	Nm		Naked Mitrewort
Cc		Palmate-leaked Coltsfoot	Sa		Sasaparilla
Fe		Ferns and Allies	St		Strawberry
Gr		Grasses Category	Se		Sedges, Rushes, Reeds
		Feathermosses	Sm		Sphagnum Mosses
Lt		Lichens			

Aquatic Vegetation Composition
Species Code / Species Percent (in 10% classes)
Up to 3 aquatic vegetation types in the aquatic layer

Species Codes:

Av	Aquatic Vegetation	Af	Floating Vegetation
Ae	Emergent Vegetation	As	Submergent Vegetation

Disturbance Type

Codes:

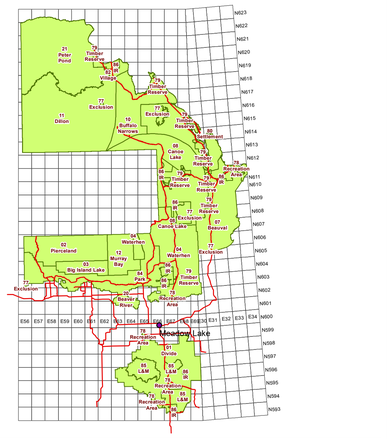
AK	Animal Kill	Hs	Hail
BR	Burnrock	IN	Insect
CB	Cutbank	SB	Sand/Gravel
CL	Clearing	SF	Seasonal Flood
CO	Cutover	SI	Silviculture
CW	Abandoned Well	SL	Slump
DI	Disease	SN	Snags
GR	Grazing	WI	Windthrow

Disturbance Extent
Extents refer to % loss of crown closure or % land area affected

Codes:

Code:	Extent (% per hectare):	Snag Density (#/ha):
1	Light (1 - 25% loss)	5 - 99
2	Moderate (26 - 50% loss)	100 - 299
3	Heavy (51 - 75% loss)	300 - 499
4	Severe (76 - 94% loss)	500 - 699
5	Entire (> 95% loss)	> 700

INDEX MAP



PLANIMETRIC LEGEND

Symbol Reference
- Brushland
- Meadow
- Clear Rock
- OP Open Land
- Sand
- SB Scrub
- C. Clearing
- Treed Muskeg
- Fen, Bog, Muskeg
- Treed Rock
- Residential Site
- Mileage

Boundaries
- FMA
- Exclusions
- District
- MUs
- Operating Areas

UTM Lines
- 10 Km
- 1 Km
- 100 m

Lakes / Streams
- Lake
- Flooded Land
- Aquatic Regime
- River
- Perennial
- Intermittent
- Indefinite

Stakeholder Commitment
- Stakeholder Commitment Point
- Stakeholder Commitment Line
- Stakeholder Commitment Polygon

Merchantable Stands
- H 18+
- HS 18+
- S 18+ Pine
- SH 15+ mixed Pine dom
- S 15-17 Pine
- S 18+ other softwood
- SH 15+ mixed other softwood
- S 15-17 other softwood

Blocks
- Planned Block (Year 1)
- Planned Block (Year 2-5)
- Harvested Block

Year 1 Blocks = Y1
Years 2-5 Blocks = Y2-5

Roads and Trails (Existing)
- Paved Highway
- Gravel Highway
- Class 1 (FRR) Maintenance
- Class 2 (IBR) Maintenance
- Class 3 (Bush Road) Maintenance
- Class 4 (Bush Road) Maintenance
- Non-Mistik (public use) Maintenance
- Oil / Gas Road Maintenance
- 3rd Party Block Road Maintenance
- Seismic Line
- Trail
- Railway Line
- Transmission Line

Pipelines
- Null
- Abandoned
- Active
- Suspended
- Unknown

Proposed Roads (Year 1)
- Class 1 (FRR)
- Class 2 (IBR)
- Class 3 (Bush Road)
- Class 4 (Bush Road)

Proposed Roads (Years 2+)
- Class 1 (FRR)
- Class 2 (IBR)
- Class 3 (Bush Road)
- Class 4 (Bush Road)

Road Reclaim Status
- Planted Road
- Completed Road Reclaim
- Planned Reclaim (Year 1 and Older)
- Planned Reclaim Future (Year 2 to 5)

Crossings / Road Closures / POI (Existing)
- Berm / Maintenance
- Gate / Maintenance
- Other / Maintenance
- Bridge / Maintenance
- Reclaimed Bridge
- Brushmat / Maintenance
- Reclaimed Brushmat
- Culvert / Maintenance
- Reclaimed Culvert
- Highway Approach / Maintenance
- Icebridge / Maintenance
- Reclaimed Icebridge

Proposed Crossings / Road Closures / POI (Year 1)
- Berm / Maintenance
- Gate / Maintenance
- Other / Maintenance
- Bridge / Maintenance
- Brushmat / Maintenance
- Culvert / Maintenance
- Highway Approach / Maintenance
- Icebridge / Maintenance

Proposed Crossings / Road Closures / POI (Years 2-5)
- Berm / Maintenance
- Gate / Maintenance
- Other / Maintenance
- Bridge / Maintenance
- Brushmat / Maintenance
- Culvert / Maintenance
- Highway Approach / Maintenance
- Icebridge / Maintenance

Proposed Research and Other Projects

Insect and Disease Management Areas

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