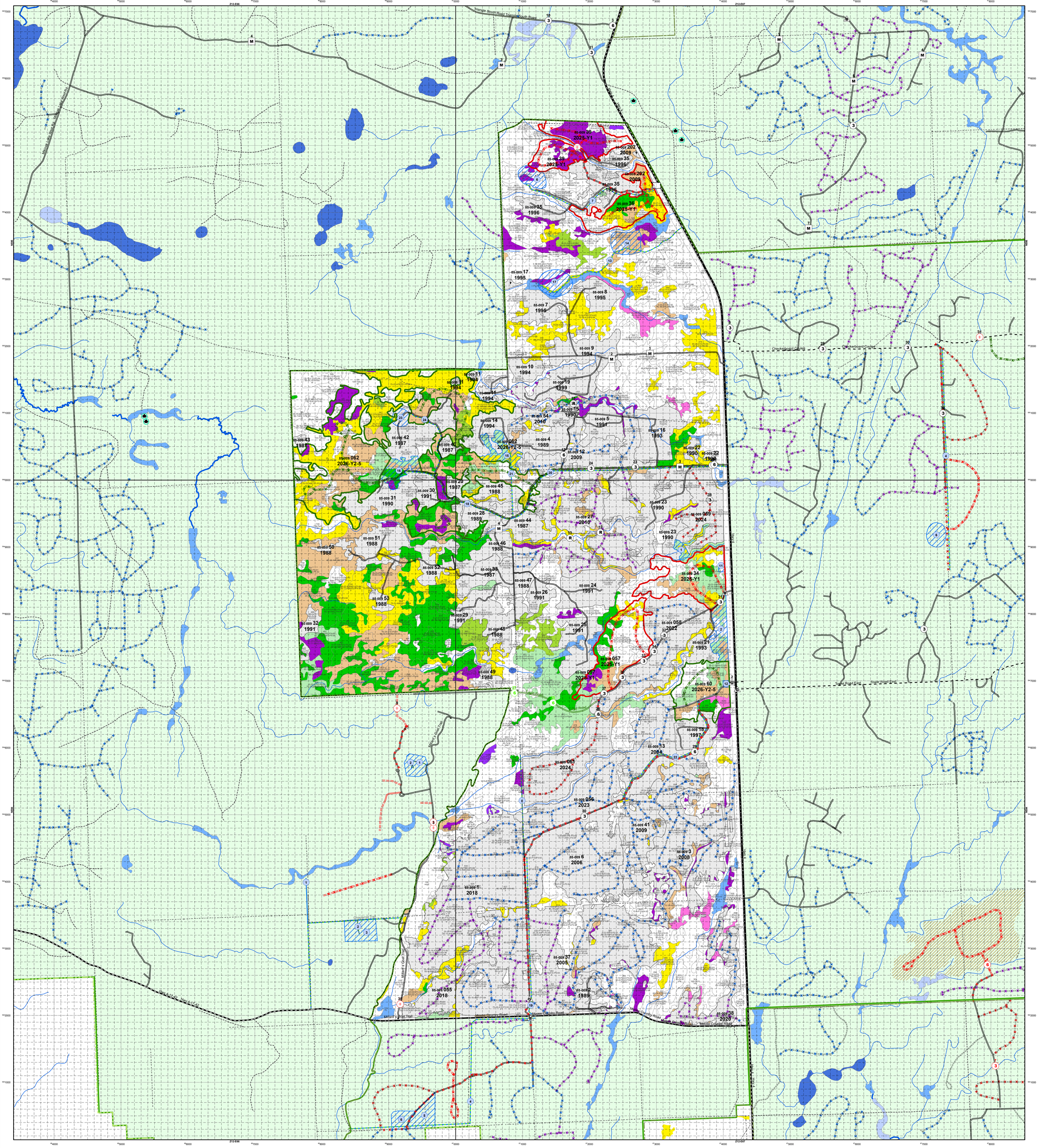

MISTIK MANAGEMENT LTD.

OPERATING AREA MAP

HELENE WEST

MANAGEMENT UNIT 85 - OPERATING AREA 009

YEAR 1 (2025) - YEARS 2-5 (2026 - 2029)

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THIS MAP WAS DEVELOPED USING AVAILABLE INFORMATION AND MAY NOT ACCURATELY REPRESENT THE LOCATION, DEFINITION OR DISTRIBUTION OF LAND BASE FEATURES.

SCALE: 1:15,000

0 200 400 800 1,200
Metres

silvacom™

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

Crossings / Road Closures / POI (Existing)

- B Berm / Maintenance
- G Gate / Maintenance
- O Other / Maintenance
- Bridge / Maintenance
- R Reclaimed Bridge
- M Brushmat / Maintenance
- R Reclaimed Brushmat
- # Culvert / Maintenance
- R Reclaimed Culvert
- Highway Approach / Maintenance
- Icebridge / Maintenance
- RI Reclaimed Icebridge

Lakes / Streams

- Lake
- Flooded Land
- Aquatic Regime
- River
- Perennial
- Intermittent
- Indefinite

Proposed Crossings / Road Closures / POI (Year 1)

- B Berm / Maintenance
- G Gate / Maintenance
- O Other / Maintenance
- Bridge / Maintenance
- M Brushmat / Maintenance
- # Culvert / Maintenance
- Highway Approach / Maintenance
- Icebridge / Maintenance

Proposed Crossings / Road Closures / POI (Years 2-5)

- B Berm / Maintenance
- G Gate / Maintenance
- O Other / Maintenance
- Bridge / Maintenance
- M Brushmat / Maintenance
- # Culvert / Maintenance
- Highway Approach / Maintenance
- Icebridge / Maintenance

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
- Pipeline
- Railway Line
- Transmission Line

Stakeholder Commitment

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

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

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

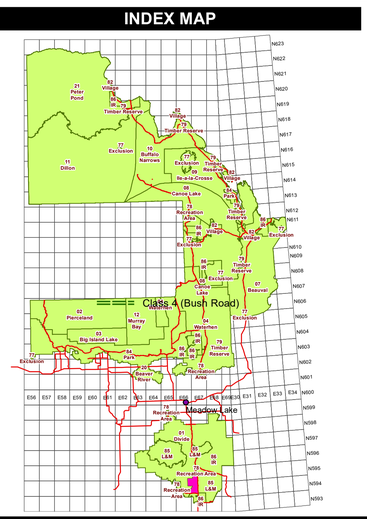
Merchantable Stands

- 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

Proposed Research and Other Projects

Insect and Disease Management Areas

INDEX MAP



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 - He40rSFm3 — 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:

aF	F	Balsam Fir	sA	G	Green Ash
aL	L	Subalpine Larch	tA	A	Trembling Aspen
tL	L	Tamarack	wB	W	White Birch
jP	P	Jack Pine	pC	C	Plains Cottonwood
lP	P	Lodgepole Pine	wE	E	White Elm
rP	P	Red Pine	mM	M	Manitoba Maple
sP	P	Scots Pine	bO	O	Bur Oak
wS	S	White 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 'Y': Sometimes the first and last number are dropped so 1990 would appear as 99, and 2000 as 00
'a' - annual - Known to the nearest year from a source
'd' - decadal - Estimated decade of origin

Moisture Regime

Codes:

VD	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:

L	Lake	R	River
FL	Flooded Land		

Non-Vegetated Landuse

Codes:

bupg	Built-up: Settlement	mg	Mine: Generic/unknown
bupi	Built-up: Industrial Site	muoz	Mine: Open Pit/Gravel
cmty	Cemetery	peatc	Peat Cutting
dmp	Dump/Landfill/Rec. Site	peatd	Peat Dry
ftow	Fire Tower	sdgu	Solids Depot/Dump
gasf	Gas & Oil Facilities	towu	Tower: Generic/unknown
imby	Lumber Yard	vegu	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 Species	Pm	Pin Cherry
Bh	Beaked Hazel	Sx	Saskatoon Berry
Cr	High-bush Cranberry	Wi	Willow
Ls	Low Shrubs Category	Dw	Red-osier Dogwood
Bb	Blueberry	Le	Labrador Tea
Bs	Buffaloberry	Lc	Low-bush Cranberry
Bt	Bog Birch	Ld	Leatherleaf
Bl	Bog Laurel	Ra	Wild Red Raspberry
Bu	Buffalo Berry	Ro	Prickly Rose
Cj	Shrubby Cinquefoil	Sn	Western Snowberry
Cr	Current		

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

Species Codes:

Hs	Herbs Category	Nc	Northern Comandra
Bu	Bunchberry	Nm	Naked Mitrewort
Co	Common Twinflowered Cotsfoot	Pv	Pyrola species
Fa	Ferns and Allies	Sr	Strawberry
Gr	Grasses Category	Se	Sedges, Rushes, Reeds
Fm	Feathermosses	Sm	Sphagnum Mosses
Li	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:

A	Animal Kill	HA	Hail
BO	Burnover	IN	Insect
CB	Cutbank	SB	Sand/Gravel
CL	Clearing	SF	Seasonal Flood
CO	Cutover	SI	Silviculture
DW	Abandoned Well	SL	Slump
GI	Gravel	SN	Snag
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 - 29% loss)	5 - 99
2	Moderate (30 - 50% loss)	100 - 299
3	Heavy (51 - 75% loss)	300 - 499
4	Severe (76 - 94% loss)	500 - 699
5	Entire (> 95% loss)	> 700