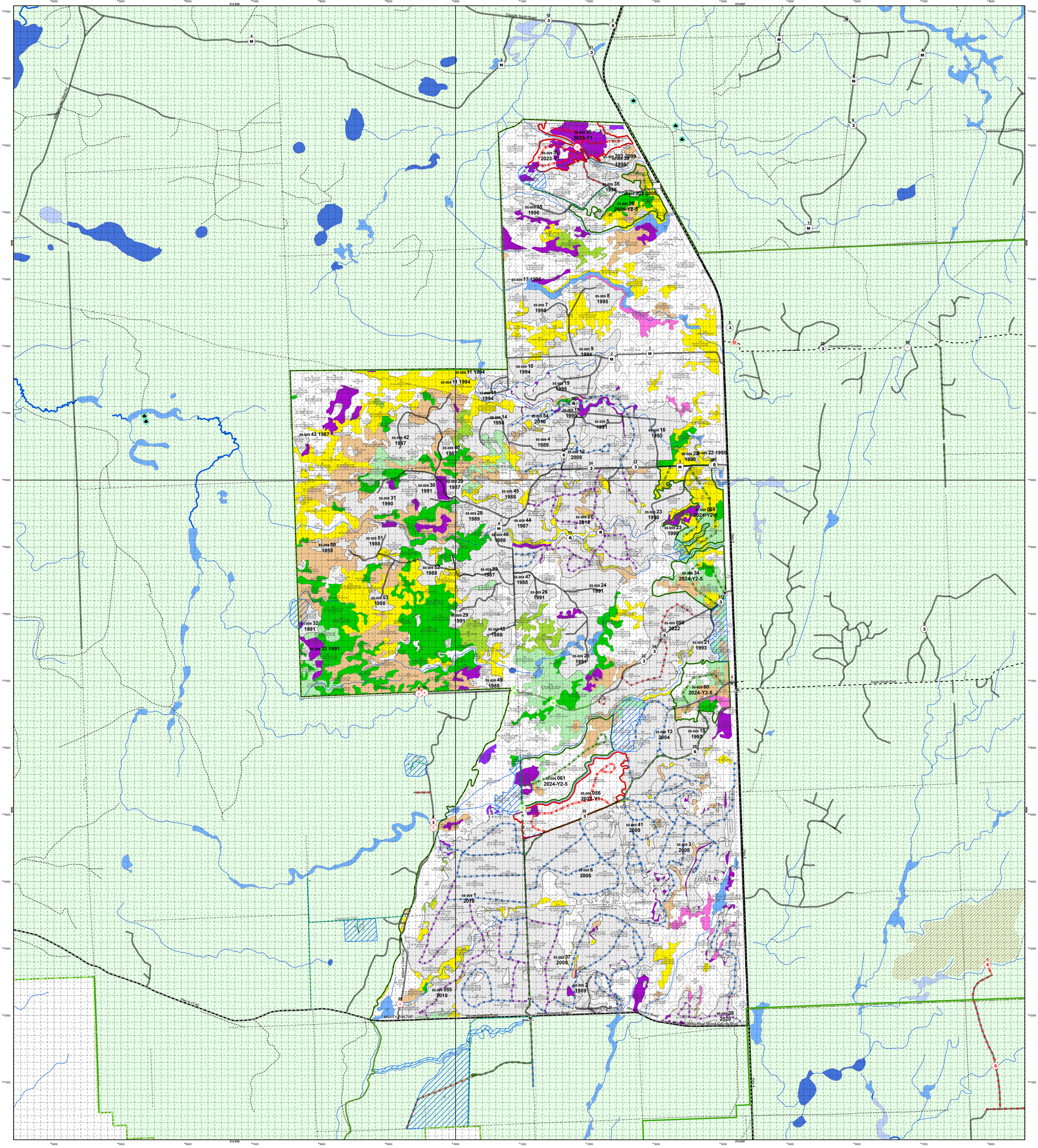

MISTIK MANAGEMENT LTD.

OPERATING AREA MAP

HELENE WEST
MANAGEMENT UNIT 85 - OPERATING AREA 009
YEAR 1 (2023) - YEARS 2-5 (2024 - 2027)

Map Version: 1.00
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SCALE: 1:15,000

0 200 400 800 1,200
Metres

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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)

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

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 - Tx6Ls4                      Shrub Layer
35 - Hx40rSFm3                   Herb Layer
VF (CG - 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:

aE	E	Balsam Fir	gA	G	Green Ash
bF	F	Siberian Larch	tA	T	Trembling Aspen
tL	L	Tamarack	wB	W	White Birch
jP	P	Jack Pine	wC	C	Plains Cottonwood
lP	P	Lodgepole Pine	wE	E	White Elm
rP	P	Red Pine	mM	G	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 'Y' Sometimes the first and last number are dropped so 1990 would appear as 99, and 2000 as 00
'x' - annum - 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	mucr	Mine: Open Pit/Gravel
cmty	Cemetery	peatc	Peat Cutting
rec	Developed/Rec. Site	peatl	Peat Land
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	Ns	Saskatoon
Bh	Beaked Hazel	Sa	Sandbar Willow
Cr	High-bush Cranberry	Wi	Willow
Ls	Low Shrubs Category	Dw	Red-osier Dogwood
Bb	Bearberry	Le	Labrador Tea
Bi	Bog Birch	Lo	Low bush Cranberry
Bl	Bog Laurel	Rs	Wild Red Raspberry
Bu	Buffalo Berry	Ro	Prickly Rose
Cl	Shrubby Cinquefoil	Sn	Western Snowberry
Cc	Currant		

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	Creeping Red Cotsfoot	Pe	Peavine
Fa	Ferns and Allies	St	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:

AK	Animal Kill	HA	Hail
BO	Burnover	IN	Insect
CB	Cutbank	SB	Sand/Gravel
CL	Clearing	SF	Seasonal Flood
CO	Cutover	SI	Silviculture
DG	Diseased	SL	Slump
DI	Disease	SN	Snag
GR	Grazing	WI	Windthrow

Disturbance Extent
Externs 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 - 699
4	Severe (76 - 95% loss)	700 - 999
5	Entire (> 95% loss)	> 700