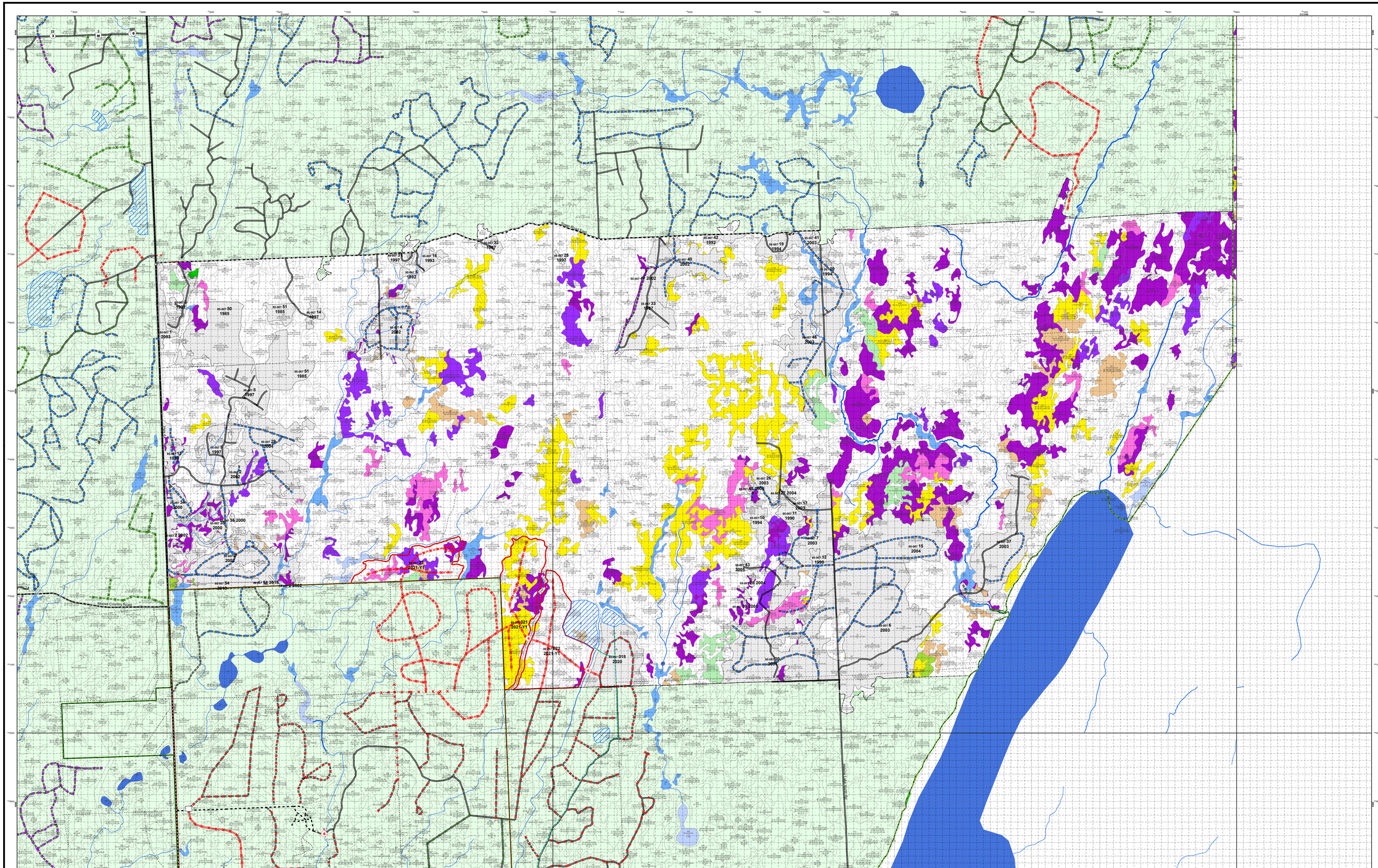


MISTIK MANAGEMENT LTD.

HARVEST DESIGN MAP

HELENE CENTRAL

MANAGEMENT UNIT 85 - OPERATING AREA 007

YEAR 1 (2021) - YEARS 2-5 (2022 - 2025)

FOREST LABEL REFERENCE

FOREST LABEL REFERENCE

Example SFW Call:

109 Stand Number
S8 - 22 - tAGu54 - P5 - 1997a Tree Layer 1
22 - 12 - wS10 - P1 - 1994d Tree Layer 2
T0 - 7 - bF10 - P3 - 1950b Tree Layer 3
1 - 1 - 1 - 1 Shrub Layer
39 - 0a0a0a0a Herb Layer
VF (C0 - 3 - 1979a; d0 - 3 - 1980a) Disturbance Modifier 2
Disturbance Modifier 1
Moisture Regime

Crown Closure
Percent (%) ground cover per layer

Height
Average stand height, in metres, per layer

Tree Species Composition
Species Code: Species Percent (in 10% classes)
10 = 100% (one species in the layer)

Species Codes:

A	Alder	Ep	Eastern Aspen
C	Cedar	Fd	Douglas Fir
D	Deciduous Conifer	Fi	Balsam Fir
E	Black Spruce	Fr	Red Pine
F	Jack Pine	Fs	Scots Pine
G	Larch	Ft	Tamarack
H	Hemlock	Lt	Eastern Larch
L	Lodgepole Pine	Pb	Balsam Poplar
M	Red Pine	Pj	Jack Pine
P	Spruce	Pr	Red Pine
S	Black Spruce	Pt	Trembling Aspen
W	White Spruce	Sb	Black Spruce
X	Other Species	Sw	White Spruce

Canopy Pattern
Codes:
S1 Single Storey - usually > 250% Crown Closure
S2 Single Storey - Open Canopy/Irregular Stocking
F2 Fine (2-20 Patches of Stems)
M2 Medium (20-100 Patches of Stems)
C2 Coarse(>4 stems), Uniform canopy, > 80% Crown Closure
D2 Coarse(>4 stems), Open canopy

Origin or Disturbance Year
YYYY or YY - Assumed to the first and last number are dropped
0000 - Unknown origin, but > 100 years
a - actual - Known to the second year from a source
0a0a0a0a - Multiple origins, known

Moisture Regime
Codes:

D0	Very Dry	U	Moist
D1	Dry	U1	Very Moist
D2	Moderately Fresh	U1d	Moderately Wet
D3	Fresh	U2	Wet
D4	Very Fresh	U3	Very Wet
D5	Moderately Moist	U4	Aquatic
U0	Very Moist		

Hydrological Features
Codes:

L	Lake	R	River
Ll	Lake Land		

Non-Vegetated Landuse
Codes:

BSet	Built-up Settlement	Wat	Water (Generic/unknown)
BSod	Built-up Industrial Site	Ocean	Ocean, Open Pit Ocean
Cmet	Cemetery/Graveyard	Lake	Lake, Open Pit Lake
CFcm	Campground/Rec. Site	Rail	Railway
Ccut	Cut Block	Road	Road/Trail/Path
Ccr	Gas & Oil Facilities	Res	Reservoir (Generic/unknown)
Cfm	Farmland	Irrig	Irrigation/ Agriculture
Cfor	Lumber Yard		

Shrub Species Composition
Species Code: Species Percent (in 10% classes)
10 = 100% (one species in the layer)

Species Codes:

A	Alder	Ms	Mountain Maple
Ac	Canada Holly	Pc	Pin Cherry
Ah	Mountain Heath	Pd	Pondberry
Ai	High bush Cranberry	Pm	Pincushion Moss
Ba	Bayberry		
Lc	Low Shrub Category	Cv	Red osier Dogwood
Ld	Dwarf Birch	Ds	Silky Dogwood
Lb	Buckthorn	Ea	Late Sweet Cicely
Lh	Honeysuckle	Ew	Wild Red Raspberry
Lr	Rose	Ew	Wild Red Raspberry
Ls	Willow	Ha	Hazelnut
Lu	Bog Laurel	Mc	Western Strawberry
Lv	Bog Willow		
Mb	Mountain Maple		
Mn	Mountain Holly		
Ov	Ostrich Fern		
Pb	Bush Cinquefoil		
Sc	Bog Birch		
Sp	Spiraea		
Vc	Cranberry Viburnum		

Herb Species Composition
Species Code: Species Percent (in 10% classes)
10 = 100% (one species in the herb layer)

Species Codes:

Ac	Northern Comandra	Ss	Sarsaparilla
Ad	Bracken Fern	Sr	Starflower
Ae	Wild Sarsaparilla	Tr	Twinflower
Ag	Bunchberry	Vm	Western Mystery, Remo
Ar	Aralia nudicaulis	Sp	Sphagnum Mosses
Cc	Fuzzy Fuzzy		
Cd	Feathermosses		

Aspenite Vegetation Composition
Species Code: Species Percent (in 10% classes)
10 = 100% (one species in the aspenite layer)

Species Codes:

Ar	Aspenite Vegetation Category	Ar	Floating Vegetation
Ab	Balsam Poplar	Ar	Submergent Vegetation

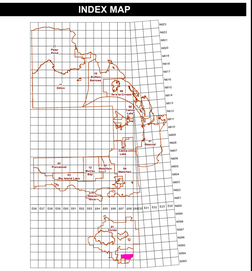
Disturbance Type
Codes:

Ccut	Cutting	Hrd	Hail
Cr	Clearing	Ice	Ice
Cr	Clearing	Ss	Sensitive Soil
Cr	Clearing	Ss	Sensitive Soil
Cr	Clearing	Wind	Wind
Cr	Clearing	Wind	Wind
Dbeaver	Beaver	Sn	Snow
Dfire	Fire	Sn	Snow
Dhwy	Highway		

Disturbance Assessment
Coverage (refer to % loss of crown closure or % land area affected)
Codes:

Code	Extent (% per hectare)		Snag Density (#/ha)
Light	(1 - 25% loss)		0 - 250
Moderate	(26 - 50% loss)		251 - 500
Heavy	(51 - 75% loss)		501 - 750
Severe	(76 - 95% loss)		751 - 1000
Entire	(>95% loss)		>1000

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
- Pipeline
- Railway Line
- Transmission Line

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
- R Reclaimed Bridge
- M Brushmat / Maintenance
- R Reclaimed Brushmat
- P Culvert / Maintenance
- R Reclaimed Culvert
- Highway Approach / Maintenance
- I Icebridge / Maintenance
- RI Reclaimed Icebridge

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

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

Proposed Research and Other Projects

Insect and Disease Management Areas

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