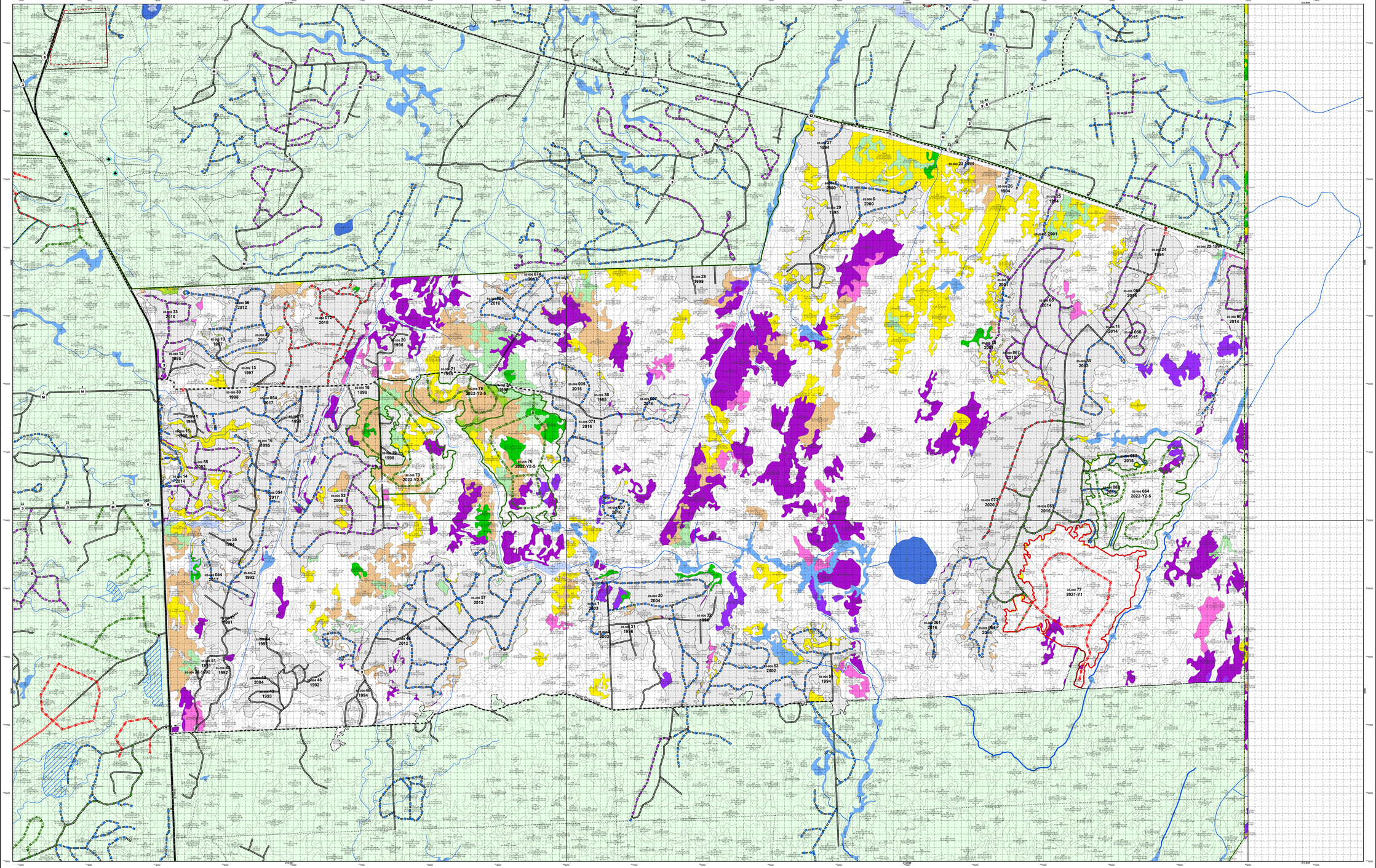


MISTIK MANAGEMENT LTD.

HARVEST DESIGN MAP

HELENE NORTH

MANAGEMENT UNIT 85 - OPERATING AREA 006

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

FOREST LABEL REFERENCE

FOREST LABEL REFERENCE

Example SFW Call:

109

58 - 22 - sAGu54 - P5 - 1931a

22 - 12 - wS10 - P1 - 1940d

10 - 7 - bF10 - P3 - 1950d

10 - 6 - sB10 - P3 - 1960d

39 - 0 - IMAGINARY

VF (CO - 3 - 1970a) (D - 3 - 1980d)

Stand Number	109
Tree Layer 1	58
Tree Layer 2	22
Tree Layer 3	10
Tree Layer 4	10
Herb Layer	39
Disturbance Modifier 2	IMAGINARY
Disturbance Modifier 1	VF (CO - 3 - 1970a) (D - 3 - 1980d)
Moisture Regime	3

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)
Up to 10 tree species in the tree layer.
Species Codes:

A	Alder	LP, C	Green Ash
B	Balsam Fir	LT	Tamarack, Larch
C	Cedar	M	Maple Species
D	Deciduous	MB	Mature Birch
E	Aspen	MH	Mature Hardwood
FB	Balsam Fir	MS	Mountain Ash
FD	Red Pine	MV	Mature Softwood
FN	Black Spruce	OH	Other Hardwood
FR	Red Pine	OS	Other Softwood
FS	Black Spruce	OT	Bur Oak
H	Hardwood	P	Jack Pine, Scots Pine

Canopy Pattern
Codes:
S1 - Single Storey - equals > 25% Crown Closure
S2 - Single Storey - equals 10-25% Crown Closure
F2 - Free of 25 Percent of Stems
F1 - Free of 10 Percent of Stems
C - Continuous canopy, equals > 10% Crown Closure
D - Discontinuous canopy, equals < 10% Crown Closure

Origin or Disturbance Year
YYYY - YYYY - Seedlings into the grid and number are dropped
YYYY - Year of origin, or year of disturbance
a - actual - Known to the second year from a source
d - default - Default value used in the absence of other information

Moisture Regime
Codes:

0	Very Dry	U	Moist
1	Dry	V	Very Moist
2	Moderately Fresh	W	Moderately Wet
3	Fresh	X	Wet
4	Very Fresh	Y	Very Wet
5	Moderately Moist	Z	Aquatic
6	Moist		

Hydrological Features
Codes:

S	Seep	R	River
T	Intermittent Lake		

Non-Vegetated Landuse
Codes:

BS	Built-up: Settlement	FG	Mine: Generic/unknown
BU	Built-up: Industrial Site	FM	Mine: Open Pit Gravel
CU	Cultivated Land	FO	Mine: Open Pit Other
CR	Campground/Rec. Site	HW	Railway
CS	Cut Block	HR	Road: Gravel/Dirt
CT	Gas & Oil Facilities	HT	Road: Paved/Hardsurface
DL	Landfill/Dump	HU	Road: Unpaved/Unknown
DW	Lumber Yard	HW	Irrigation: Agriculture

Shrub Species Composition
Species Code - Species Percent (in 10% classes)
Up to 10 shrub species in the shrub layer.
Species Codes:

A	Alder	Ev	Bracted Maple
Ac	Alder Hedge	Fv	Pin Cherry
Ag	Alder Hedge	Gb	Gooseberry Spp.
Ba	Bog/Low Bush Cranberry	Hb	Hobble
Bl	Blueberry	Ht	Hawthorn
Lc	Low Shrub Category	Ov	Red color Dogwood
Lb	Low Bush	Pb	Pubescent Dogwood
Lt	Leatherleaf	Rb	Low Bush Cranberry
Mb	Mountain Maple	Rg	Red Raspberry
Mt	Mountain Holly	Rn	Wild Red Raspberry
Pb	Bog Laurel	Rs	Raspberry Spp.
Pm	Pond Alder	Sb	Saskatoon Serviceberry
Pr	Prickly Rose	Sw	Willow
Rh	Rhododendron		

Herb Species Composition
Species Code - Species Percent (in 10% classes)
Up to 10 herb species in the herb layer.
Species Codes:

Ar	Arnica	Sc	Northern Comandra
Bc	Bunchberry	Sr	Sarsaparilla
Cc	Canada Violet	Ss	Starflower
Cv	Clover	Tr	Trefoil
Fa	Fireweed/Willow Herb	Vb	Vetchling, Bulbous, Peavine
Fr	Fragrant Fleabane	Sp	Sphagnum Mosses
Hc	Hairy Cap Moss		

Aspenb Vegetation Composition
Species Code - Species Percent (in 10% classes)
Up to 10 aspen species in the aspenb layer.
Species Codes:

Ar	Aspenb Vegetation Association	Ar	Floating Vegetation Sedge/grass Vegetation

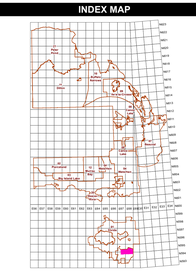
Disturbance Type
Codes:

BR	Burned 5-9	HA	Hail
CB	Cutting	HF	Hoarfrost
CC	Cutting	IS	Specialized
CL	Cutting	IT	Insect/Disease
CW	Cutting	MT	Mechanical
DA	Drought Dead	PB	Pest
DB	Blowdown	SA	Snow
DF	Frost	SL	Slough
DM	Mortality	WF	Wildfire

Disturbance Statement
Code - Percentage for % loss of crown closure or % land area affected
Codes:

Code	Crown (% per hectare)		Snag Density (# hac)
L	Light (1 - 25% loss)	S	0 - 200
M	Moderate (26 - 50% loss)	M	201 - 500
H	Heavy (51 - 75% loss)	H	501 - 1000
S	Stripped (76 - 95% loss)	S	1001 - 1500
E	Extra (> 96% loss)	E	>1500

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
- Distrct
- 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-Maint. (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
- F 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
- F 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
- F Culvert / Maintenance
- Highway Approach / Maintenance
- I Icebridge / Maintenance

Proposed Research and Other Projects

Insect and Disease Management Areas

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