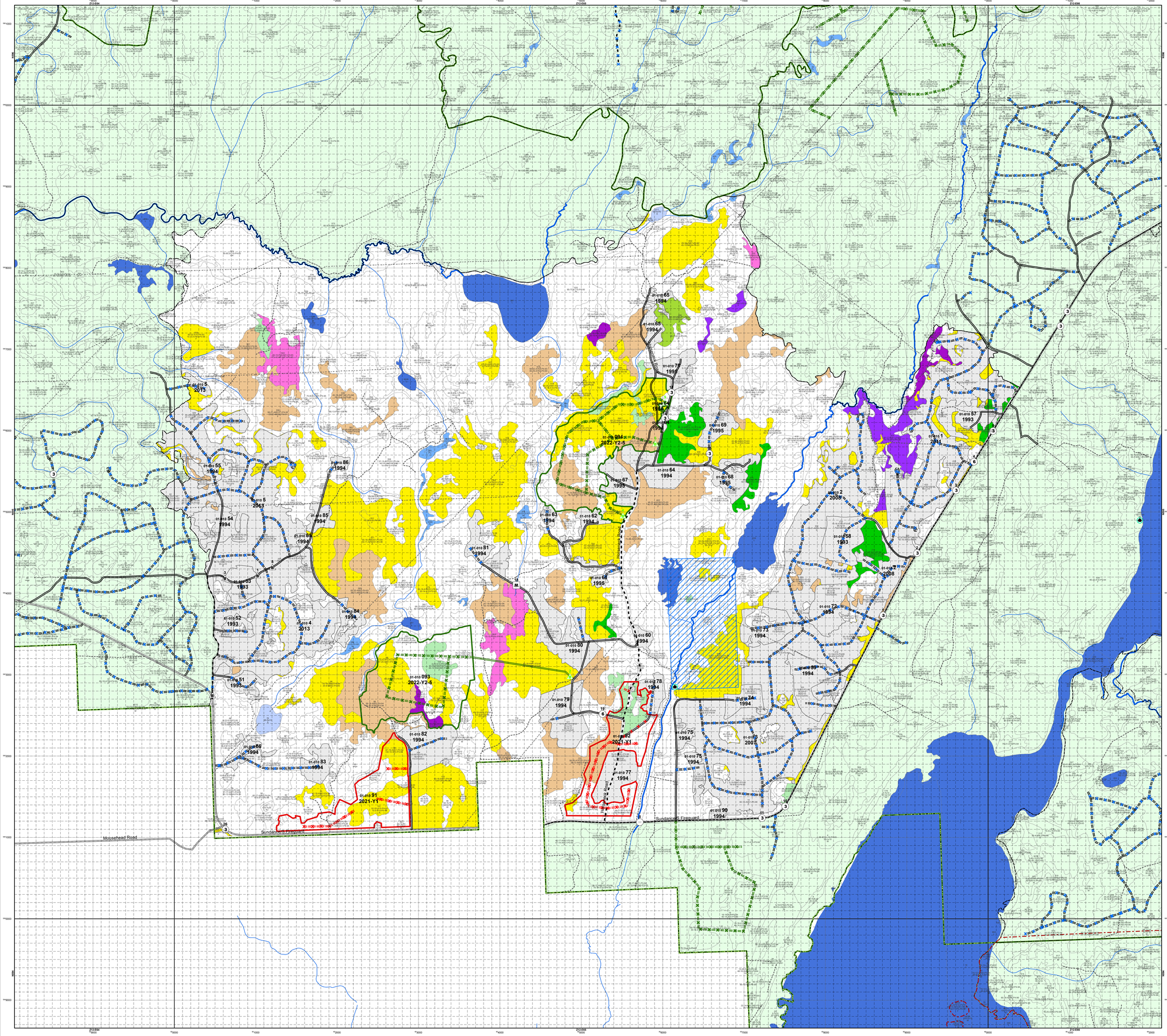


MISTIK MANAGEMENT LTD.

HARVEST DESIGN MAP

HORSENECK

MANAGEMENT UNIT 01 - OPERATING AREA 010

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

FOREST LABEL REFERENCE

FOREST LABEL REFERENCE

Example SFVI Call:

109 — Stand Number
58 - 22 - tAfw54 - P5 - 1921a — Tree Layer 1
22 - 12 - wS10 - P1 - 1940d — Tree Layer 2
10 - 7 - bF10 - P3 - 1850d — Tree Layer 3
60 - TaSLs4 — Shrub Layer
35 - Ht4Gr3Fm3 — Herb Layer
VF (Ca - 1 - 1978a) (Bl - 1 - 1980a) — Disturbance Modifier 2 / Disturbance Modifier 1

Minimum 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 8 tree species per tree layer:

Species Codes:

aF	F - Balsam Fir	gA	G - Green Ash
bF	F - Subalpine Fir	tA	A - Trembling Aspen
tL	L - Tamarack	wB	W - White Birch
lP	P - Lodgepole Pine	pC	C - Balsam Poplar
jP	P - Jack Pine	aC	C - Alpine Cottonwood
sP	P - Scots Pine	mC	C - Black Cottonwood
rP	P - Red Pine	mM	M - Manitoba Maple
sP	P - Scrub Pine	bO	O - Bur Oak
bS	S - Black Spruce	bP	P - Balsam Poplar
wS	S - White Spruce		

Canopy Pattern
Codes:

- P1 Single Stems - usually < 20% Crown Closure
- P2 Single Patch of Stems/Minimal Scattered Stems
- P3 Several (2 or greater) Patches of Stems
- P4 Several (4 or greater) Patches of Stems
- P5 Continuous canopy, openings common, > 60% Crown Closure
- P6 Continuous canopy, < 60% Crown Closure

Origin or **Disturbance Year**
Stand origin, or year of disturbance. Stand number are dropped to 1990 except those on 89, and 2000 and 06
'A' - unknown - Known to the nearest year from a source
'a' - decade - Estimated decade of origin

Moisture Regime
Codes:

VD	Very Dry	M	Moist
D	Dry	VM	Very Moist
MF	Moderately Fresh	WM	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:

buig	Built-up: Settlement	mg	Mine: Generic/unknown
uing	Built-up: Industrial Site	mgr	Mine: Gravel Pit/ Gravel
cmtc	Cemetery	pscc	Rail: Coaling
dmgc	Campground/Rec. Site	rwyc	Runway
dsp	Dump Site	snow	Snow: Avalanche/Dump
gsf	Gas & Oil Facilities	trees	Trees: Generic/unknown
lmby	Lumber Yard	vegc	Vegetation: Agriculture

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

Species Codes:

a	Tall Shrub Category	Mp	Mountain Maple
Ar	Alder	Pc	Pin Cherry
Bh	Beaked Hazel	Sa	Saskatoon Berry
Cr	High bush Cranberry	Wi	Willow
Ls	Low Shrubs Category	Cw	Red-osier Dogwood
Ba	Buffaloberry	Ha	Hawthorn
Bi	Bearberry	Lb	Low bush Cranberry
Bi	Bog Birch	Le	Leatherleaf
Br	Bog Laurel	Rs	Wild Red Raspberry
Bs	Bog Willow	Rt	Prickly Rose
Cl	Shrubby Cinquefoil	Sn	Western Snowberry
Cr	Cranberry		

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

Species Codes:

Ha	Herbs Category	Sc	Northern Comandra
Bu	Bunchberry	Nm	Naked Mitrewort
Cc	Canada Reed Calitoot	Pv	Pyrola
Fa	Ferns and Allies	Sr	Strawberry
Gr	Grasses Category	Sa	Sedges, Rushes, Reeds
Fm	Feathermosses	Sm	Sphagnum Mosses
Lu	Lichens		

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

Species Codes:

Ae	Emergent Vegetation	Af	Floating Vegetation
		As	Submergent Vegetation

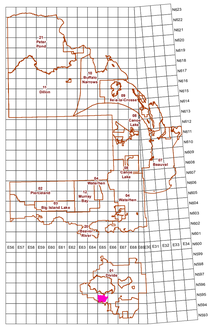
Disturbance Type
Codes:

AK	Animal Kill	HA	Hail
BO	Burnover	IN	Insect
CE	Cutbank	LS	Landslide
CL	Cutbank	SF	Seasonal Flood
CO	Cutover	SP	Silviculture
CW	Abandoned Well	SL	Slump
DR	Drought	ST	Storm
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)	0 - 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
- 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
- Culvert / Maintenance
- R Reclaimed Culvert
- Highway Approach / Maintenance
- Icebridge / Maintenance
- RI Reclaimed Icebridge

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

Proposed Research and Other Projects

Insect and Disease Management Areas

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