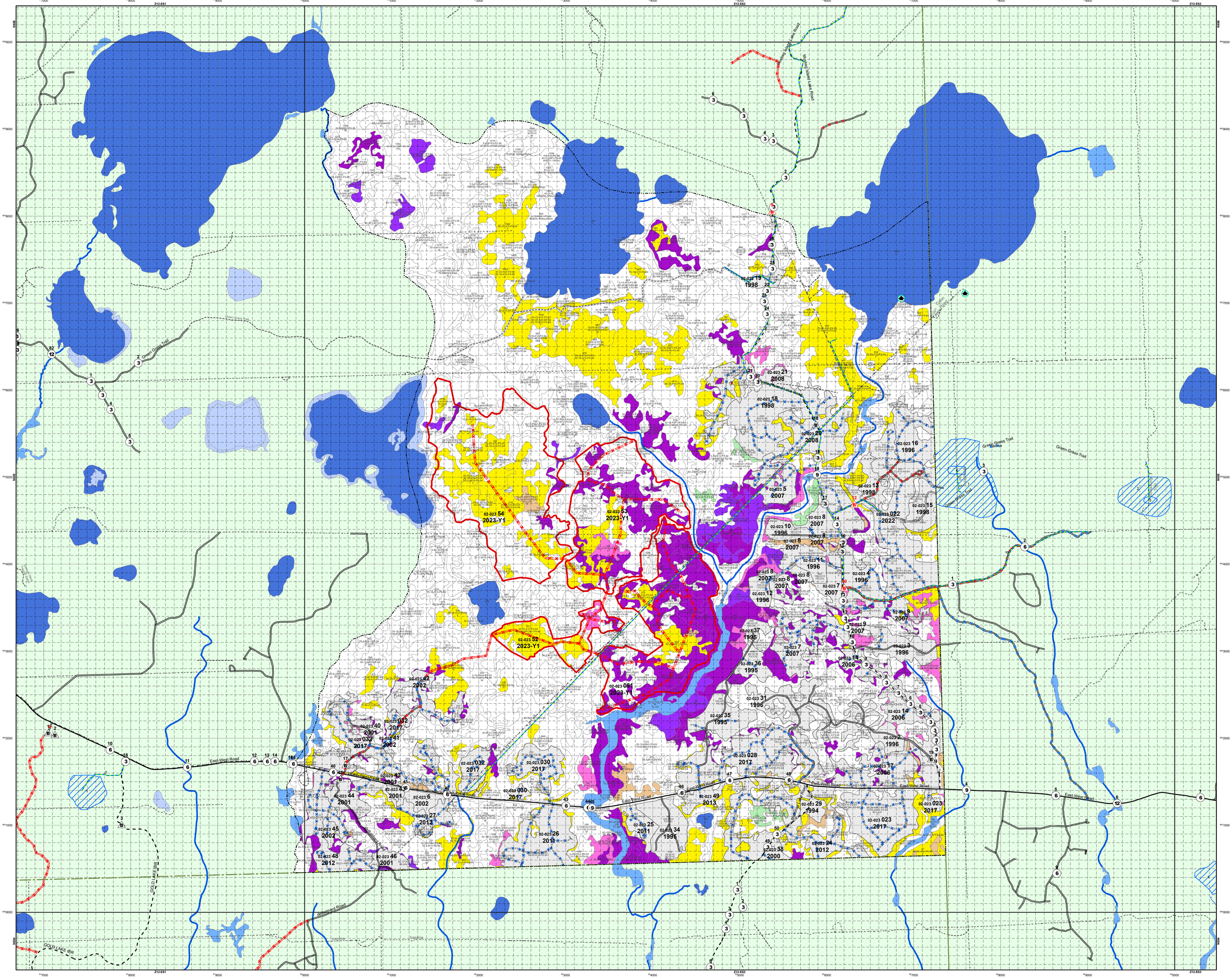

MISTIK MANAGEMENT LTD.

OPERATING AREA MAP

MUSKEG ISLAND LAKE
MANAGEMENT UNIT 02 - OPERATING AREA 023
YEAR 1 (2023) - YEARS 2-5 (2024 - 2027)

Map Version: 1.00
Created for User: cliff.mclauchlan@mistik.ca
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Map Projection: NAD_1983_UTM_Zone_12N
Map File: result_map.pdf

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)

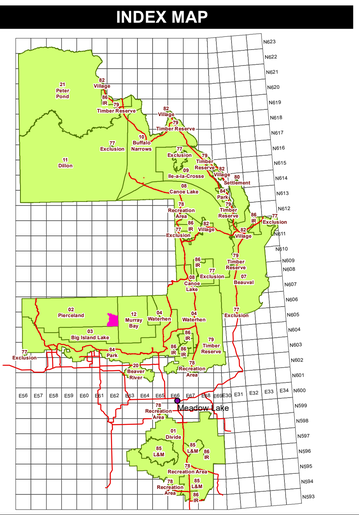
Merchantable Stands
- H 18+
- HS 18+
- S 18+ Pine
- SH 15+ mixed Pine dom
- S 15-17 Pine
- S 18+ other softwood
- SH 15+ mixed other softwood
- S 15-17 other softwood

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 - Te6Ls4 - Shrub Layer
35 - He4Gr3Fm3 - 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:

bF	B	Balsam Fir	qA	Q	Green Ash
lL	L	Siberian Larch	tA	A	Trembling Aspen
wS	S	White Spruce	bA	P	Balsam Poplar
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
eS	S	Engelmann 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 Few (2-3) Patches of Stems
- P3 Several (4 or greater) Patches of Stems
- P4 Continuous canopy, - usually common, > 60% Crown Closure

Origin or **Disturbance Year**
"YYYY" - Known to the nearest year number are dropped
"1950's" would appear as 9/0 and 2000 as 00
"a" - annum - Known to the nearest year from a source
"d" - decadal - Estimated decade of origin

Moisture Regime
Codes:

VD	Very Dry	M	Moist
MD	Mod 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	muoi	Mine: Open Pit/Gravel
cmty	Cemetery	peatc	Peat Cutting
hfac	Historical/Rec. Site	peatd	Peat Dry
tfow	Fire Tower	sdpu	Solids Depot/Dump
gaof	Gas & Oil Facilities	towu	Tower: Generic/unknown
lmby	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	Pc	Pin Cherry
Bh	Beaked Hazel	Sa	Saskatoon Berry
Cr	High-bush Cranberry	Wi	Willow
Ls	Low Shrubs Category	Dw	Red-osier Dogwood
Bb	Blueberry	Le	Labrador Tea
Be	Bearberry	Lc	Low-bush Cranberry
Bl	Black Currant	Ra	Raspberry
Bl	Bog Laurel	Rp	Wild Red Raspberry
Bu	Buffalo Berry	Ro	Prickly Rose
Cl	Shrubby Cinquefoil	Sn	Western Snowberry
Cu	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	Palmate-leafed Coltsfoot	Sa	Sarsaparilla
Fe	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:

AB	Animal Kill	HA	Hail
AS	Anthropogenic	IN	Insect
CB	Cutbank	SB	Sand/Gravel
CL	Clearing	SF	Seasonal Flood
CO	Cutover	SI	Silviculture
CW	Abandoned Well	SL	Slump
DI	Disease	SN	Snags
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)	5 - 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