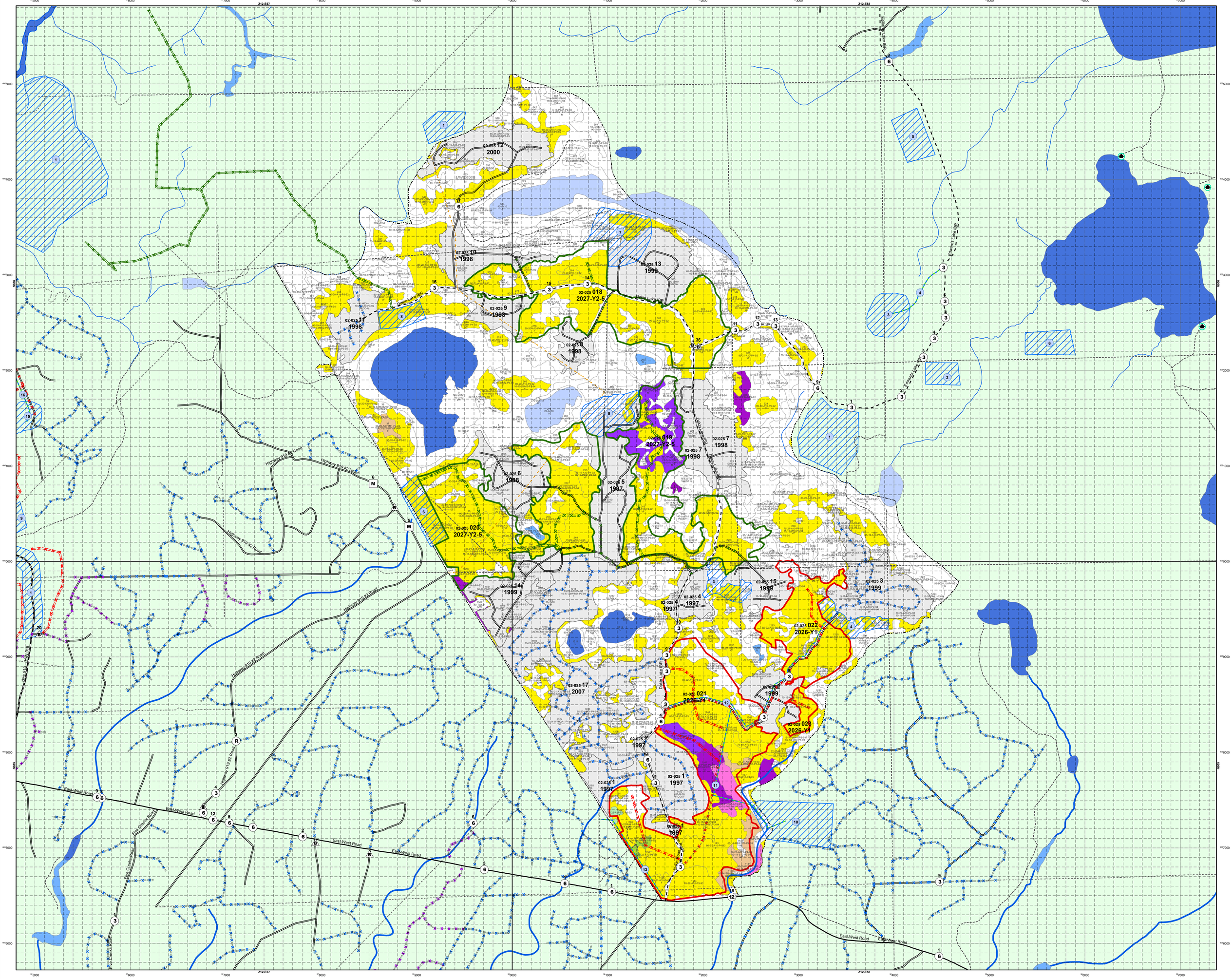


# MISTIK MANAGEMENT LTD.

## OPERATING AREA MAP

### DAKIN LAKE
### MANAGEMENT UNIT 02 - OPERATING AREA 025
### YEAR 1 (2026) - YEARS 2-5 (2027 - 2030)

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)**
- 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

**Lakes / Streams**
- Lake
- Flooded Land
- Aquatic Regime
- River
- Perennial
- Intermittent
- Indefinite

**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

**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
- Railway Line
- Transmission Line

**Pipelines**
- Null
- Abandoned
- Active
- Suspended
- Unknown

**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)

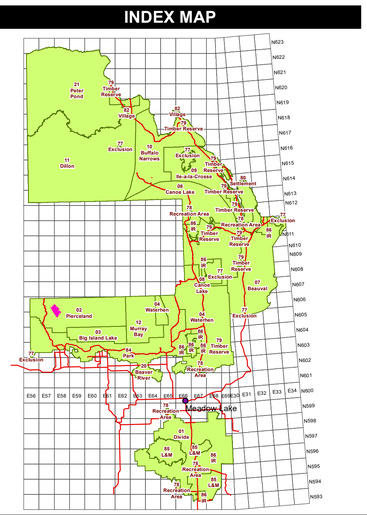
**Merchantable Stands**
- H 18+
- HS 18+
- S 18+ Pine
- SH 15+ mixed Pine dom
- S 15-17 Pine
- S 18+ other softwood
- SH 15+ mixed other softwood
- S 15-17 other softwood

**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 - TsBLs4 - 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 | Balsam Fir | gA | Green Ash |
| aA | Trembling Aspen | tA | Balsam Poplar |
| tL | Tamarack | wB | White Birch |
| jP | Jack Pine | pC | Plains Cottonwood |
| lP | Lodgepole Pine | wE | White Elm |
| rP | Red Pine | mM | Manitoba Maple |
| sP | Scots Pine | bO | Bur Oak |
| bS | Black Spruce | bP | Balsam Poplar |
| wS | 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 Patches/Many Patches of Stems
- P4 Continuous canopy, openings common, >60% Crown Closure
- P5 Continuous canopy, >60% Crown Closure

**Origin** or **Disturbance Year:**
'YYYY' or 'YY' - Sometimes the first and last number are dropped so 1990 would appear as 99, 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 |
| 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:**

| | | | |
|---|---|---|---|
| bup | Built-up: Settlement | mg | Mine: Generic/unknown |
| bupo | Built-up: Industrial Site | muco | Mine: Open Pit/Gravel |
| bupi | Built-up: Other | mupo | Mine: Processing |
| dmcp | Campground/Rec. Site | rwpo | Runway |
| ftow | Fire Tower | sdgo | Solids Depot/Dump |
| gasf | Gas & Oil Facilities | towu | Tower: Generic/unknown |
| limby | 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 |
| Ai | Alder | Pc | Pin Cherry |
| Ah | Alder/ Hazel | Pe | Pin Cherry |
| Cc | High-bush Cranberry | Wi | Willow |
| Ls | Low Shrubs Category | Dw | Red-osier Dogwood |
| Bb | Blueberry | Le | Labrador Tea |
| Bd | Dwarf Birch | Lt | Leatherleaf Cranberry |
| Bg | Bog Birch | Lw | Leatherleaf |
| Bl | Bog Laurel | Ra | Wild Red Raspberry |
| Bu | Buffalo Berry | Ru | Prickly Rose |
| Ci | 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:**

| | | | |
|---|---|---|---|
| He | Herbs Category | Nc | Northern Comandra |
| Bu | Bunchberry | Nm | Naked Mitrewort |
| Co | Palmate-leafed Coltsfoot | Sa | Sasaparilla |
| Fe | Ferns and Allies | St | Strawberry |
| Gr | Grasses Category | Se | Sedges, Rushes, Reeds |
| | Feathermosses | Sm | Sphagnum Mosses |
| | 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 |
| BO | Burnover | IN | Insect |
| CB | Cutbank | SB | Sand/Gravel |
| CL | Clearing | SF | Seasonal Flood |
| CO | Cutover | SI | Silviculture |
| CW | Abandoned Well | SL | Slump |
| FI | Fire Line | WI | Wildlife |
| GR | Grading | 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 |