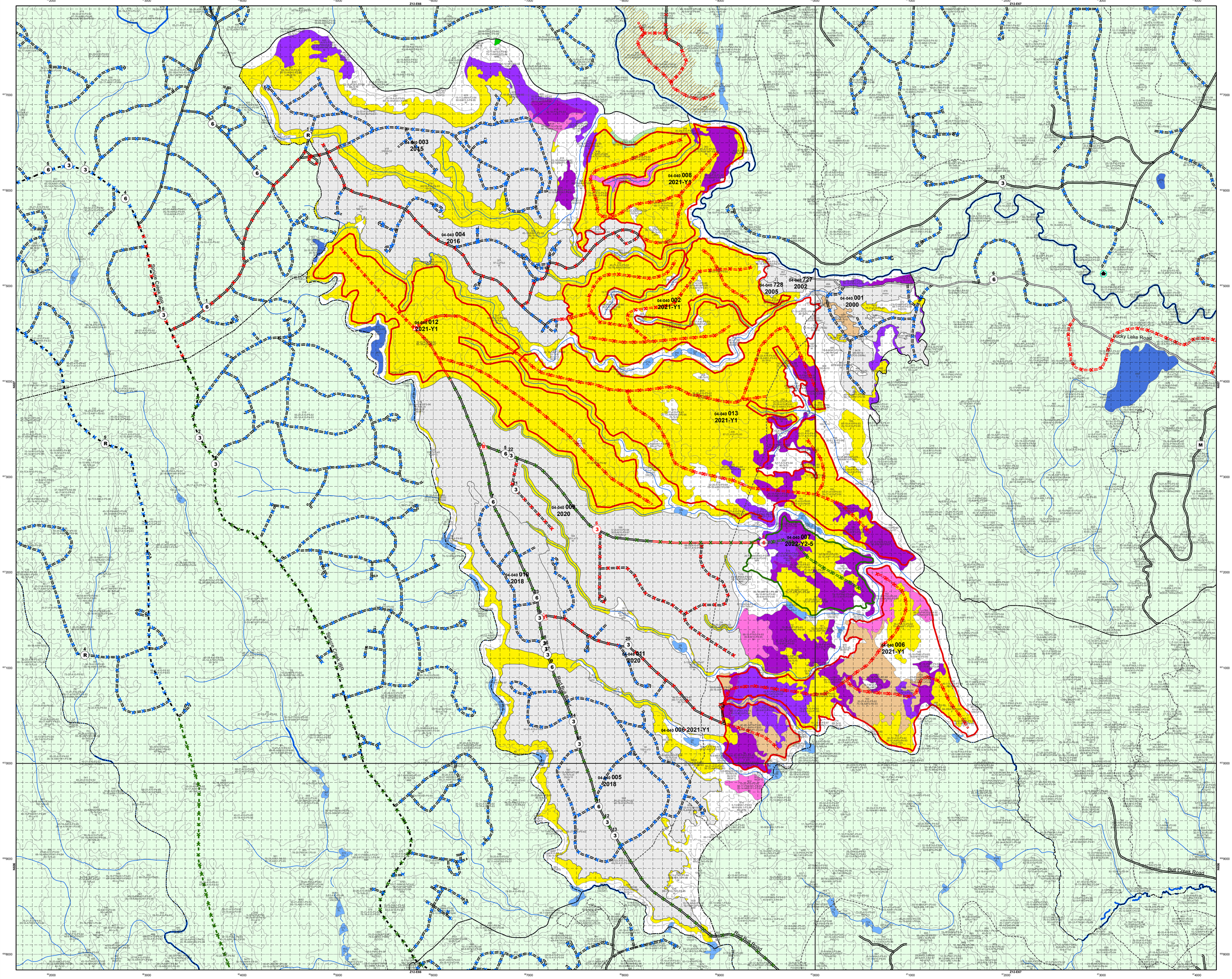


# MISTIK MANAGEMENT LTD.

## HARVEST DESIGN MAP

## BROAD CREEK
## MANAGEMENT UNIT 04 - OPERATING AREA 040
## YEAR 1 (2021) - YEARS 2-5 (2022 - 2025)

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**SCALE: 1:15,000**

0 200 400 800 1,200
Metres

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THIS MAP WAS DEVELOPED USING AVAILABLE INFORMATION AND MAY NOT ACCURATELY REPRESENT THE LOCATION, DEFINITION OR DISTRIBUTION OF LAND BASE FEATURES.

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## 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)

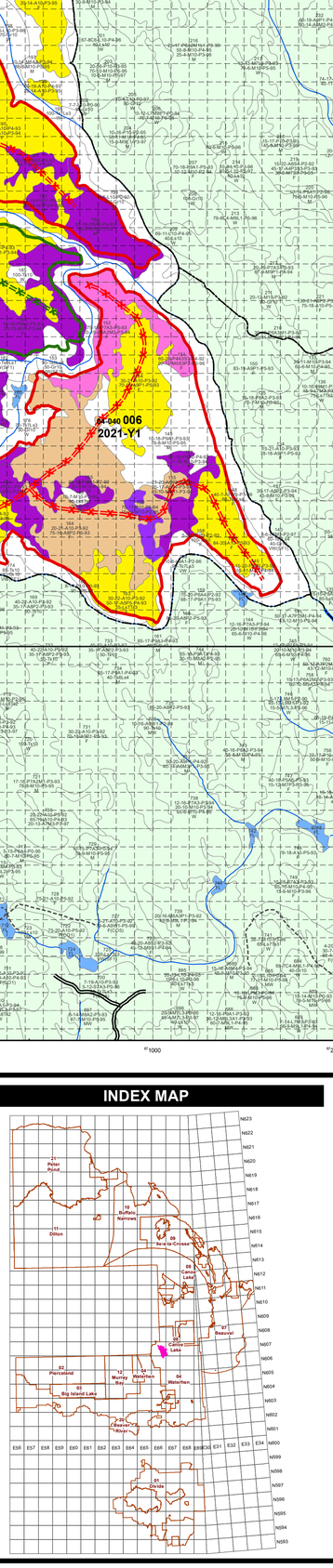
### Merchantable Stands
- H 18+
- HS 18+
- S 18+ Pine
- SH 15+ mixed Pine dom
- S 15-17 Pine
- S 18+ other softwood
- SH 15+ mixed other softwood
- S 15-17 other softwood

### 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 - Re4Gr3Fm3 | 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 | F | Balsam Fir | gA | G | Green Ash |
| tL | L | Siberian Larch | tA | A | Trembling Aspen |
| tL | L | Tamarack | wB | W | White Birch |
| jP | J | Jack Pine | wE | E | Western Hardwood |
| lP | P | Lodgepole Pine | wE | E | White Elm |
| rP | P | Red Pine | mM | N | Manitoba Maple |
| sP | P | Scots Pine | bO | O | Bur Oak |
| bS | M | Black 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, openings < 60% Crown Closure
- P5 Continuous canopy, > 60% Crown Closure

**Origin** or **Disturbance Year**
'YYYY' or 'Y1' Sometimes the first and last number are dropped so 1990 would appear as 99, and 2000 as 00
'a' - decade - Estimated decade of origin from a source
'd' - decade - Estimated decade of origin

**Moisture Regime**
**Codes:**

| | | | |
|---|---|---|---|
| VD | Very Dry | M | Moist |
| D | Dry | VM | Very Moist |
| MD | 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:**

| | | | |
|---|---|---|---|
| bsyu | Built-up: Settlement | mg | Mine: Generic/unknown |
| bupo | Built-up: Industrial Site | muoo | Mine: Open Pit/Gravel |
| cmty | Cemetery | peatd | Peat Cutting |
| dmgc | Campground/Rec. Site | rwyu | Runway |
| dump | Dump Site | tdpo | Transfer Depot/Dump |
| gsoi | Gas & Oil Facilities | trwu | Tower: Generic/unknown |
| mby | 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:**

| | | | |
|---|---|---|---|
| Ta | Tall Shrubs Category | Ma | Mountain Maple |
| Al | Alder | Pc | Pin Cherry |
| Bh | Beaked Hazel | Sa | Saskatoon Berry |
| Cr | High-bush Cranberry | Wi | Willow |
| Lu | Low Shrubs Category | Dw | Red-osier Dogwood |
| Bb | Blueberry | La | Labrador Tea |
| Be | Bearberry | Lc | Low bush Cranberry |
| Bi | Bog Birch | Le | Leatherleaf |
| Bo | Bog Laurel | Rs | 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:**

| | | | |
|---|---|---|---|
| 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 |
| Fm | 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:**

| | | | |
|---|---|---|---|
| AK | Animal Kill | HA | Hail |
| CB | Cutbank | IN | Insect |
| CD | Drainage | 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 |