

5.7.3 Hazard Stands for Utility Disposition Holders

Strategy 2.2.3 was developed in an effort to integrate initiatives with utility disposition holders within the Vanderwell FMA. The utility disposition holders have an initiative to reduce hazard trees adjacent to their power lines. This could result in a significant land-base loss for the FMA holder, unless both companies agree to work together in the initiative. Map 5-16 displays the hazard stands for utility dispositions within the Vanderwell FMA.

Rge 3

Rge 2

Rge 1

Twp 72

Twp 71

Twp 70

Twp 69

Twp 68

Twp 67

Rge 3

Rge 2

Rge 1



FIRE HAZARD REDUCTION MAP

ATCO ELECTRIC RECOGNIZES 2 TREE-FREE QUALIFICATIONS WHILE ASSESSING POTENTIAL WILDFIRE CONCERNS:

- HIGH RISK STANDS
- STANDS LOCATED IN STEEP SLOPE AREAS

High Risk Stands:

Are stands that represent a high risk for windfall and ignition, due to the stand composition. The intent is to target older stands, primarily coniferous that are tall enough to make contact with a primary conductor.

Specific stand criteria are:

- STANDS OLDER THAN 100 YEARS OF AGE
- STAND DENSITY OF A OR B
- BLACK SPRUCE STANDS OF C OR D DENSITY
- STANDS WITH ANY OF THE FOLLOWING FIRE BEHAVIOR PREDICTION (FBP) FUEL TYPE: C-1, C-2, C-3 OR M-1
- STANDS WITH AN AVERAGE HEIGHT SUFFICIENT TO MAKE CONTACT WITH AN ADJACENT PRIMARY CONDUCTOR (4.5M).

Steep Slope Area:

Are stands that, regardless of age or density, fall in an area with steep slopes. The idea being that stands located in steep slope areas are more susceptible to wind throw.

Specific stand criteria are:

- STANDS LOCATED IN AREAS OF STEEP SLOPE GREATER THAN 20% (WITHIN 500M BUFFER OF THE ATYABASCA OR SALL TEAUX RIVERS)
- STANDS WITH ANY OF THE FOLLOWING FIRE BEHAVIOR PREDICTION (FBP) FUEL TYPES: C-1, C-2, C-3 OR M-1
- STANDS WITH AN AVERAGE HEIGHT SUFFICIENT TO MAKE CONTACT WITH AN ADJACENT PRIMARY CONDUCTOR (4.5M).

DISCLOSURE:

Fuel code assignments were derived solely from decision rules developed by the Provincial Forest Fire Centre (AVI2FB.exe V2, Sept 1, 1999) and are intended to be approximately consistent with the Canadian Forest Fire Behaviour Prediction System (reference: development and structure of the Canadian Forest Fire Behaviour Prediction System, Forestry Canada Fire Danger Group, and information report ST-X-3).

NOTE:

The most recent AVI and provincial base data was used to generate this map. Base data (roads, lakes, etc.), forest stand boundaries and attributes, land use, etc. shown on this map may not accurately reflect current forest and access conditions.

FOREST STANDS AT RISK

- High Risk Stand (with age > 100 years old)
- High Risk Stand in Steep Slope Area
- Steep Slope Area

AVI UPDATES

- Anthropogenic
- Cutblock
- Recent fire

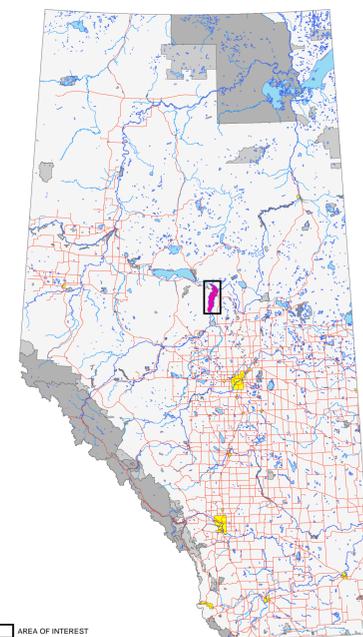
ATCO ELECTRIC POWERLINE

- ATCO Electric Powerline Centreline
- ATCO Electric Powerline Right-of-way
- Powerline right-of-way area recommended for Tree-Free Timber Removal

PLANIMETRIC LEGEND

- Paved Primary
- Gravel Primary
- Gravel Secondary
- Improved
- Truck Trail
- Railway
- Cutline
- Lake/River
- Perennial Stream
- Indefinite Stream
- Township Grid
- FMA Boundary

PROVINCIAL INDEX



AREA OF INTEREST
VANDERWELL CONTRACTORS (1971) LTD. FMA



SILVACOM LTD.
DATA IS OUR CORE BUSINESS™



0 1 2 4 6
Kilometres

COPYRIGHT © 2004 ATCO ELECTRIC
VANDERWELL CONTRACTORS LTD.
ANY USE, DUPLICATION OR DISTRIBUTION
WITHOUT PERMISSION IS PROHIBITED

Map Version 1.0
Map Date: August 22, 2004
Original Map Scale: 1:50,000
Map Production: Silvacom Ltd.
Silvacom Reference: L-088
Map File: JL-088/maps/atco_risk.mxd