

City of Berlin

Airport at Milan

Proposed timber Harvest 2019

The Airport parcel was cut heavy in the 1980's with an thinning in the early 1990's. The harvest left residual patches of smaller wood at that time. The trees in these patches are now starting to mature and some of the fir is showing signs of decay and mortality. With shallow rooted spruce and fir, there is also a danger of wind-throw as the trees gets older and less flexible.

The prescription for a harvest in this woodlot would be to treat these patches of mature softwood and aspen before mortality starts to reduce volume. A harvest will also regenerate a new age class of young trees, that will help diversify the existing age class distribution thereby improving overall stand health and resiliency. Shallow soils and species composition in the area limit the silvicultural options, and the recommendation would be to clearcut. The proposed clearcuts should be small in size limiting the patch size to average around 5 acres.

The Leavitt Stream watershed area will require significant buffer areas to be used near swamps, brooks and streams. Crossings of any wetland or water course will be built to highest standards and kept to a minimum.

This area is not a designated deer yard, however there is plenty of good cover at the present time. Harvest planning should encourage softwood regeneration to both create and retain good softwood areas for future habitat needs.

Yarding will occur off French hill road, with the possibility of needing to use one old yarding area at the east end of the runway. Using this second yard may reduce skidding distance and avoid a possible wetland crossing.

Boundaries on the airport parcel are in very bad condition, especially on the southeast side of the lot. I recommend some deed research, location of boundaries, and field confirmation of lines via flagging (if not full out blazing and painting). There is more wood that could be harvested in this area, but it cannot be accessed without an investment in boundary work.

The proposed harvest described above does not require extensive boundary work, simple flagging along found lines will be sufficient.

Proposed harvest 2019 winter

Total acres 23.5

5 patch cuts:

#1. 3 acres - Aspen and fir

#2. 1.5 acres - Spruce and fir and aspen

#3. 12 acres - Spruce and fir

#4. 3 acres - Spruce and fir

#5. 4 acres - spruce and fir

840 cords

550 cords logs

290 cords pulp

|                                   |           |
|-----------------------------------|-----------|
| 275,000 bd ft spruce and fir logs | \$ 52,250 |
|-----------------------------------|-----------|

|                |          |
|----------------|----------|
| 290 cords pulp | \$ 1,450 |
|----------------|----------|

Layout, flagging, boundaries, skid roads

|                            |          |
|----------------------------|----------|
| Showing of timber and bids | \$ 1,760 |
|----------------------------|----------|

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| Timber Harvest Supervision: 10% stumpage | \$ 5,570 |
|--|----------|

|              |          |
|--------------|----------|
| Total costs: | \$ 7,330 |
|--------------|----------|

|              |             |
|--------------|-------------|
| Net to City: | \$ \$48,370 |
|--------------|-------------|



# Untitled Map

Write a description for your map.

## Legend

- ▲ airport walk
- oak hill west

Algea

Google Earth

800 ft

