



Arborland Forestry Consulting

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August 27, 2021

Mr. Steve Schiedel
Greenhorizons Sod Farms
2907 Upper James Street
Mount Hope, Ontario L0R 1W0

Re: Tree Inventory – 665 Highway 6

On August 25, 2021 I was asked to do a Tree Inventory for a wooded property at 665 Highway 6 near Caledonia. The following is a summary of the inventory:

Total Property = 49.70 acres

Total Forested = 32.07 acres (*Area 1 on maps*)

Total Successional Meadows = 7.48 acres (*Area 2 on maps*)

Total Wetland = 4.62 acres (*Area 3 on maps*)

Total Buildings / Open Area = 5.53 acres (*Area 4 on maps*)

General Forest Inventory

Species Composition:

- a. **White Pine** - 85% - Age 30-35 years, Average Diameter 10-38cm, Height – 10-18m.
- b. **Spruce** – 5% - Age 30-35, Diameter 15-32cm, Height – 11-16m.
- c. **Hardwoods** –10% - (Burr Oak, White Oak, Red Oak, Black Cherry, Ash, Walnut, Hard Maple, Soft Maple, Basswood, Poplar, Hickory, other), Age 10-100+ years, Diameters 10-60cm, Height 10-28m.

General Observations

The plantation is comprised primarily of white pine and a small pocket of spruce. They were machine and hand planted at approximately 2.1 x 2.4 meter spacing on clay soils. At this spacing with some mortality, you would anticipate there would be roughly 500-750 residual trees per acre. The trees are healthy with some normal blister rust and pine shoot beetle damage.

The larger hardwoods are mainly scattered on the perimeter of the property. They are seed sources for some light pockets of natural hardwood regeneration in the openings. The majority of the forest floor has only light to no hardwood regeneration since it was never thinned.

The forested area has pockets of grape vine, virginia creeper, dogwoods, nannyberry, wild apple, hawthorn, etc. There are pockets of invasive species such as garlic mustard, multiflora rose, honeysuckle and buckthorn. Small vernal pools exist within the wooded areas.

The successional meadows were not planted with conifer species as they were seasonally wetter areas not suited to pine or spruce. They are regenerating back to a mixture of grasses, herbaceous vegetation, dogwoods, willows, poplar, elms, sumac and the above noted invasive species.

A trail system has been created throughout all areas of the property. There were no rare, threatened or endangered tree species noted in the assessment areas.

If you have any questions, please contact me.

Sincerely,



Bruce Zavitz

Arborland Forestry Consulting

Ontario Professional Foresters Association – Associate # 2084



Attachments: Detailed Tree Inventory maps (3)



Legend

	Building as Symbol
	Building to Scale
	Airport
	Helipoint \ Hospital Helipoint
	Seaplane Base
	Ferry Route
	Trail Head \ Trail
	Railway \ Train Station
	Railway with Bridge
	Railway with Tunnel
	Road (Major → Minor)
	Winter Road
	Road with Bridge
	Road with Tunnel
	Primary, Kings or 400 Series Highway
	Secondary Highway
	Tertiary Highway
	District, County, Regional or Municipal Road
	Toll Highway
	One Way Road
	Road with Permanent Blocked Passage
	Road with Address Ranges
	Hydro Line, Communication Line or Unknown Transmission Line
	Natural Gas Pipeline, Water Pipeline or Unknown Pipeline
	Spot Height
	Index Contour
	Contour
	Wooded Area
	Wetland
	Waterbody
	Waterbody Elevation
	Watercourse
	Falls
	Rapids
	Rapids \ Falls
	Rocks
	Lock Gate
	Dam \ Hydro Wall
	Dam \ Hydro Wall
	Provincial \ State Boundary
	International Boundary
	Upper Tier \ District
	Municipal Boundary
	Lower Tier \ Single Tier Municipal Boundary
	Lot Line
	Indian Reserve
	Provincial Park
	National Park
	Conservation Reserve
	Military Lands

0 0.3 km

Projection: Web Mercator

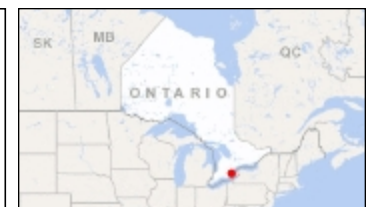


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	Watercourse
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	Rapids \ Falls
	Rocks
	Lock Gate
	Dam \ Hydro Wall
	Dam \ Hydro Wall
	Provincial \ State Boundary
	International Boundary
	Upper Tier \ District Municipal Boundary
	Lower Tier \ Single Tier Municipal Boundary
	Lot Line
	Indian Reserve
	Provincial Park
	National Park
	Conservation Reserve
	Military Lands

0 0.1 km

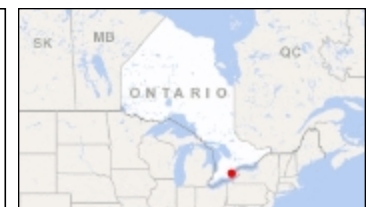
Projection: Web Mercator



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