

Forest EDGE Tool Instructions: Economic Fibre Supply Model (EFSM)

(This application is not formatted for use on mobile devices.)

EFSM will allow you to explore available wood volumes in Ontario with accurate and up-to-date data developed in partnership with Foresite. Our interactive model helps to estimate delivered fibre costs by combining forest inventory (tree species, volumes, location) and the location of potential facility locations.

This app produces stand-specific values and delivered fibre costs at multiple scales (e.g., woodlands, watershed, landscape units or tracts) to support the screening of regional economic development opportunities.

Note: *This fibre is representative of allocations within an approved forest management plan. Available volumes for development must be scoped with further investigation.*

Note: *These first 3 steps are what is included in the **Planned Allocations tab** at the bottom of the app screen.*

1. **Regional Zone Selector-** To use this application, you must first select a regional zone from the drop-down list in the upper right corner of the app window. If the zone selector isn't visible, scroll up the page until it is.

Once a zone is selected, the map will display a white dashed circle around the zone for that location and focus on the 200km surrounding the area of interest. (Note: hovering over the map and scrolling up or down, will zoom in or out and you can drag the map with your mouse to display the area you're interested in.) This can then be narrowed down further by utilizing the delivered wood cost slider next to the regional selector.

2. **Annual Net Merchantable Volume by Species-** On the right side of the application next to the map, is a pie chart displaying the species group distribution for that selected zone and the associated volumes in cubic meters.
3. **Delivered Wood Costs-** The gauge below the pie chart showcases the average delivered wood cost for those associated volumes. These values will change as you zoom in and out of the map, but they will never incorporate more data than the information from the selected zone, which is highlighted in the white dashed outline that is visible once your zone has been selected. The values for delivered wood is based on fuel cost for hauling over distance, which has been calculated based on the road network (avg speed has been incorporated with that). The distance being from the cut block to the nearest mill of the centroid for the zone.
4. **Link to Further Modeling Work** – Each zone has been further fortified with extensive relational modeling for the current wood usage structure and availability of opportunity wood, biomass & interpretive scope of how a new entrant to the market would positively affect the existing forest market. This modeling is available by clicking the green text in the bottom box that is populated after the zone is selected. The link will open in a new tab to view CRIBE's tableau presentation for that selected zone.