Cavity Tree Occurrence in Hardwood Forests of Ontario, Canada

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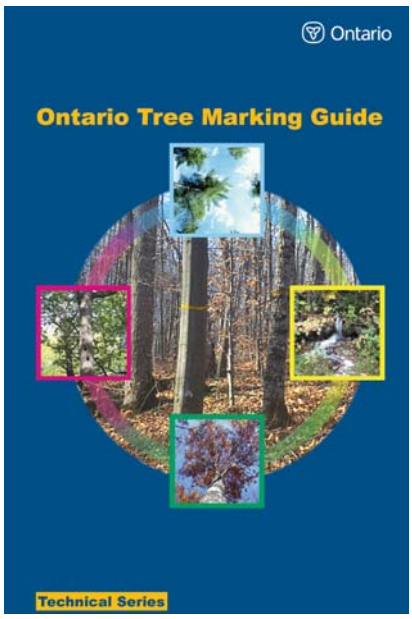
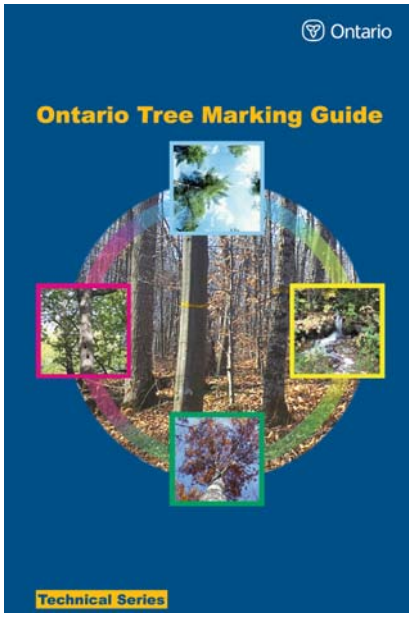




Box 4.6. Priority for retaining cavity trees.

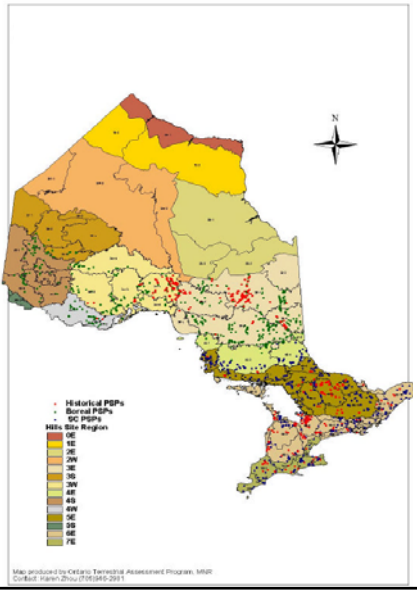
Cavity trees are to be retained in the following order of priority based on the type of cavity they contain,

1. Pileated woodpecker roost cavity
2. Pileated woodpecker nest cavity
3. Other woorpecker nest cavity or natural nest or den cavity
4. Escape cavity
5. Woodpecker feeding cavity
6. High potential to develop cavities

1) Are tree markers effective at retaining cavity trees?

2) How could tree markers be more effective?

Ontario Permanent Sampling Plot Network



Measurements

- Diameter
- Species
- Crown class of trees (D, Co-D, I, U)
- Decay class of snags (1-5)

Measurements

- Presence of tree cavities
  - **Nest**: circular or oval, 3-12 cm diameter
  - **Escape:** irregular in shape, > 8 cm diameter, not excavated
  - **Feeding:** shallow, excavated

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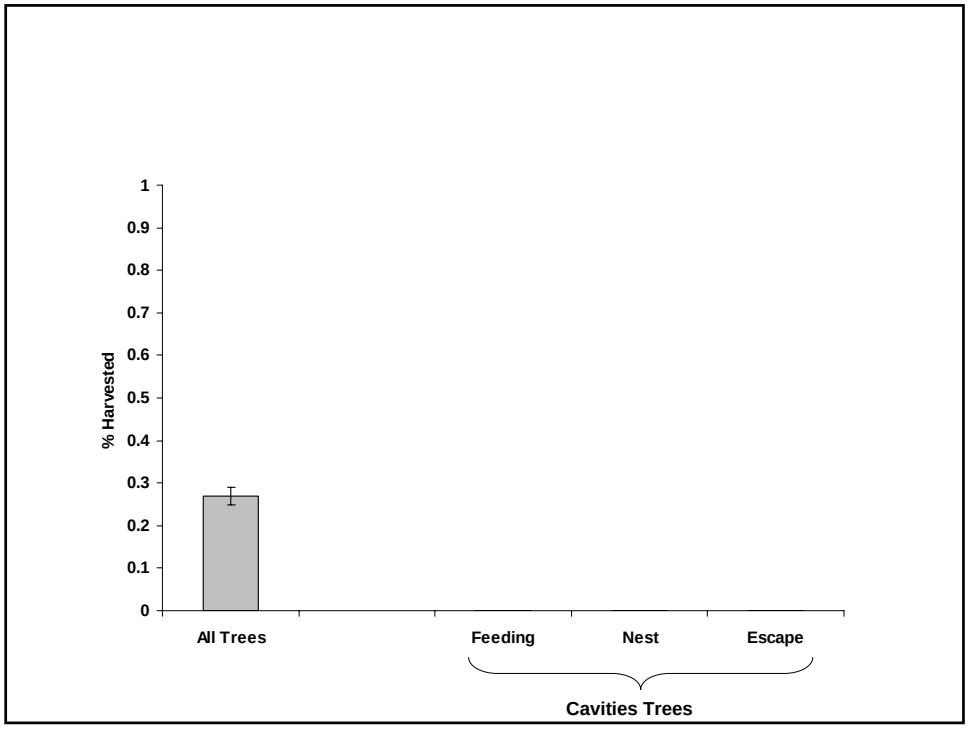
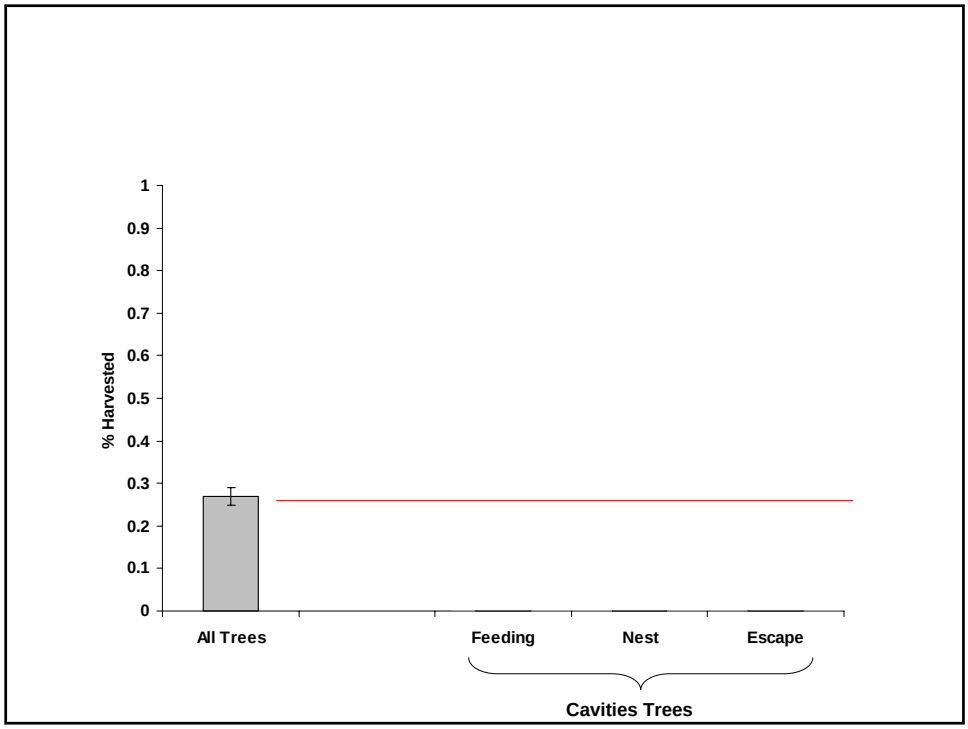
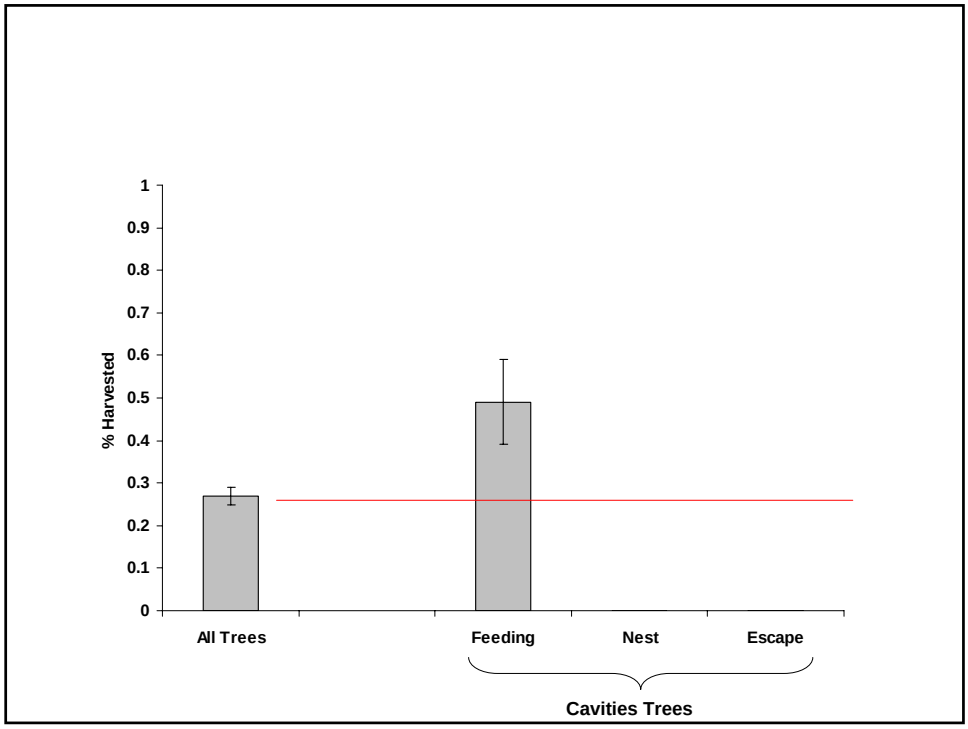
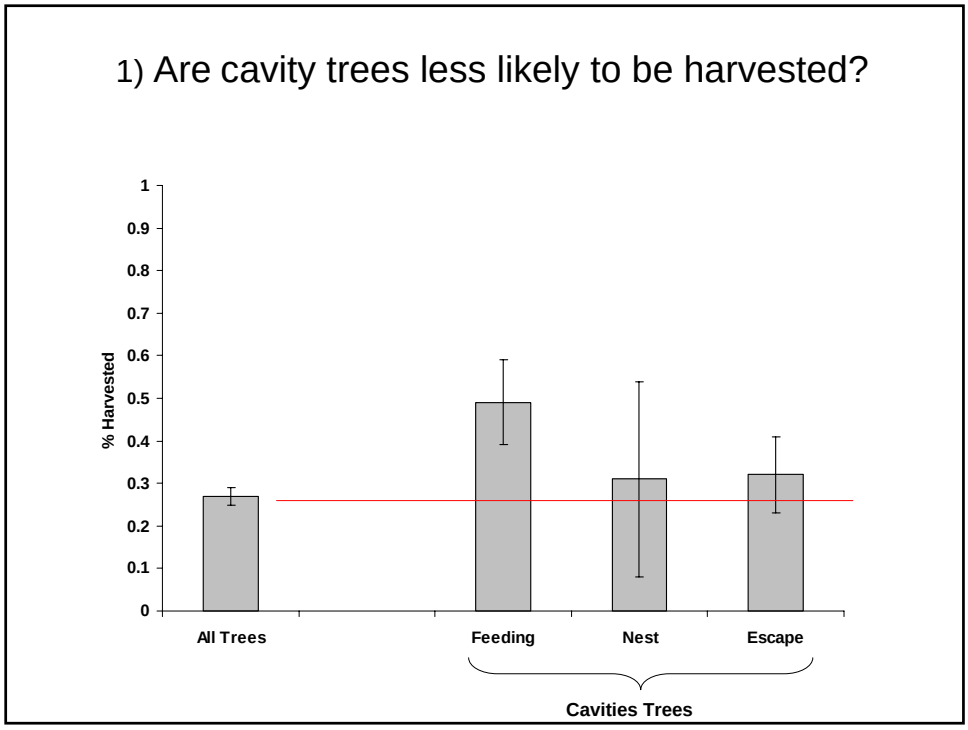

1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
% Harvested
All Trees
Feeding
Nest
Escape
Cavities Trees


1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
% Harvested
All Trees
Feeding
Nest
Escape
Cavities Trees



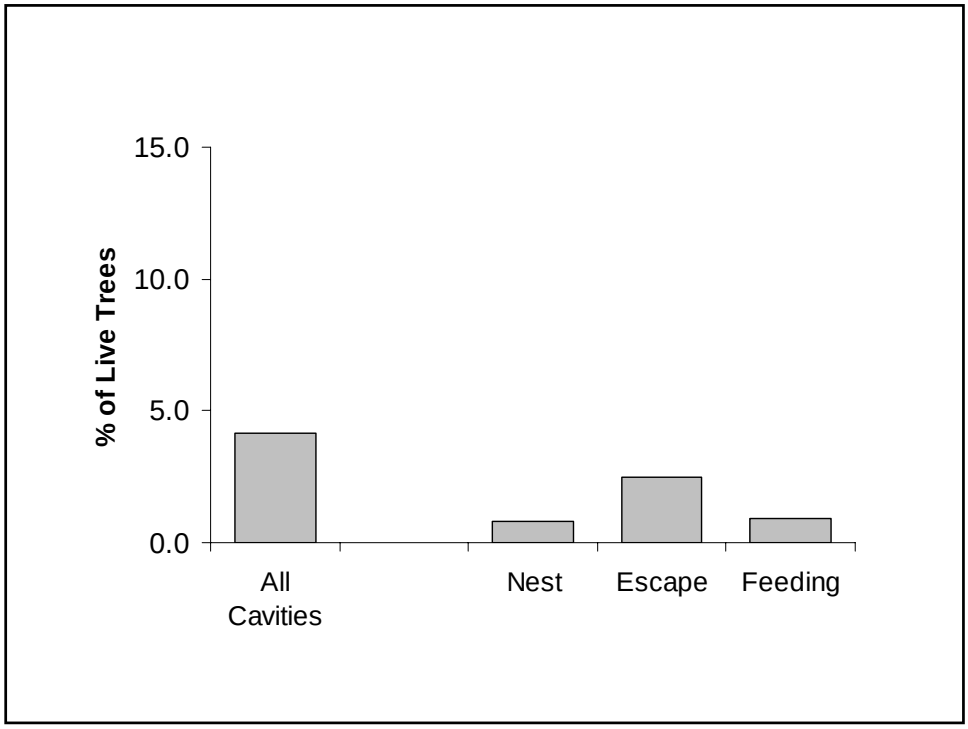
1) Are cavity trees less likely to be harvested?

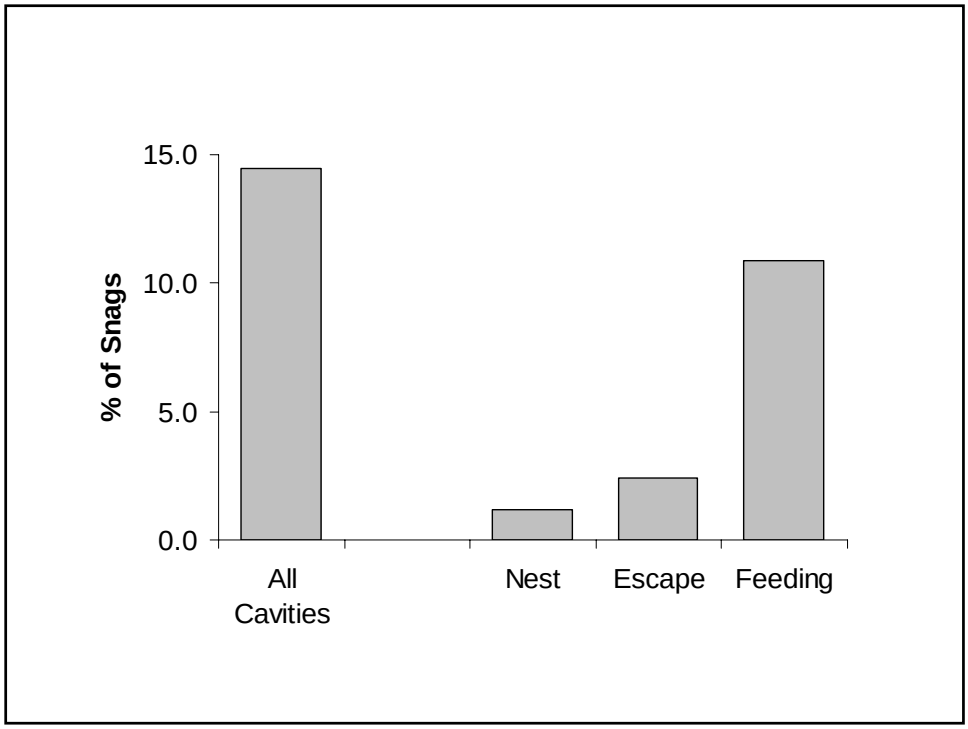


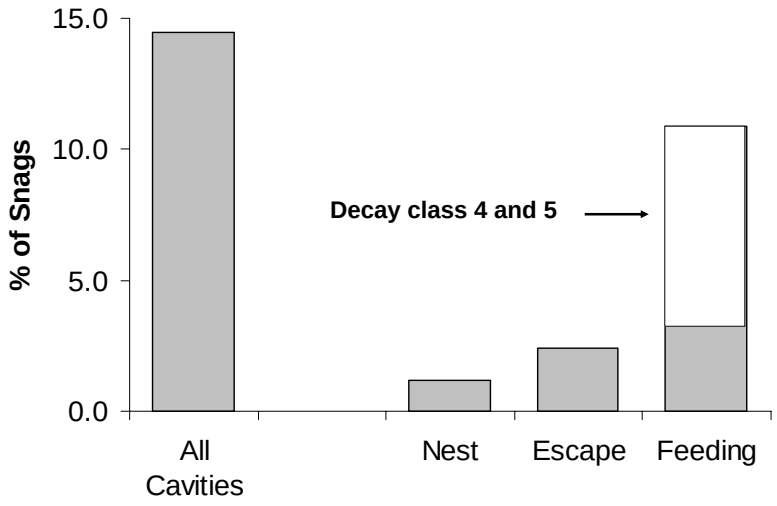
2) How could tree markers be more effective?

Measurements

- Diameter
- Species
- Crown class of trees (D, Co-D, I, U)
- Decay class of snags (1-5)

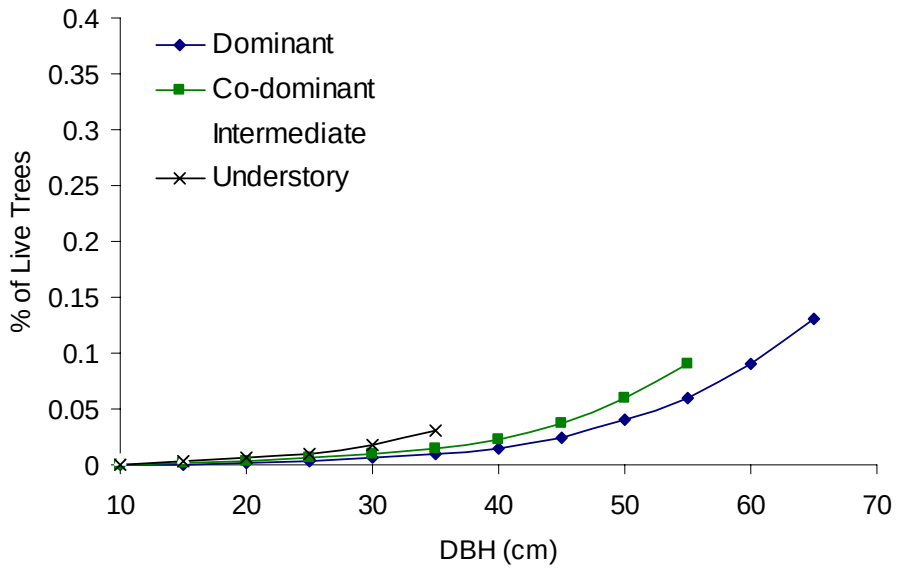

15.0
10.0
5.0
0.0
% of Live Trees
All Cavities
Nest
Escape
Feeding


15.0
10.0
5.0
0.0
% of Snags
All Cavities
Nest
Escape
Feeding



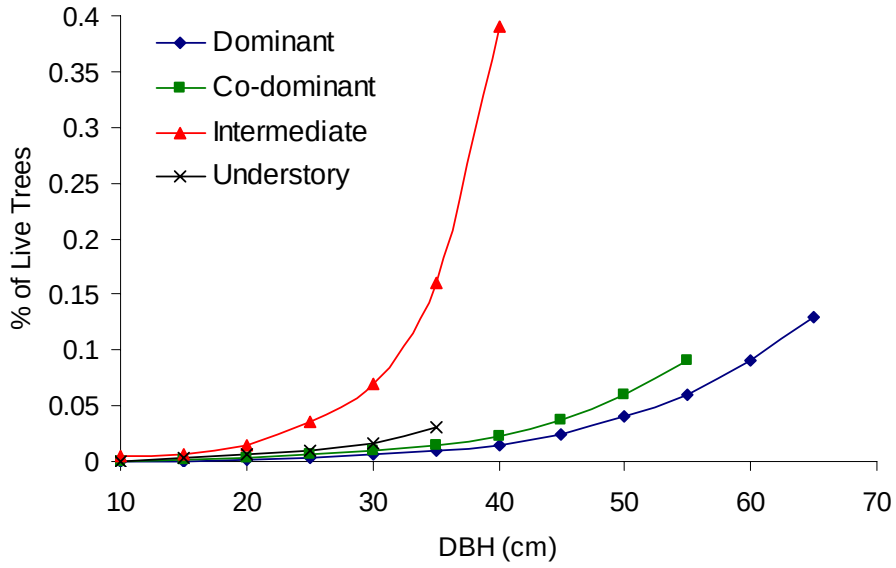
2) How could tree markers be more effective?

- By retaining well decayed snags



2) How could tree markers be more effective?

- By retaining well decayed snags
- By retaining large diameter trees and snags



2) How could tree markers be more effective?

- By retaining well decayed snags
- By retaining large diameter trees and snags
- By retaining trees in intermediate crown classes

Acknowledgements

OMNR
Karen Zhou
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