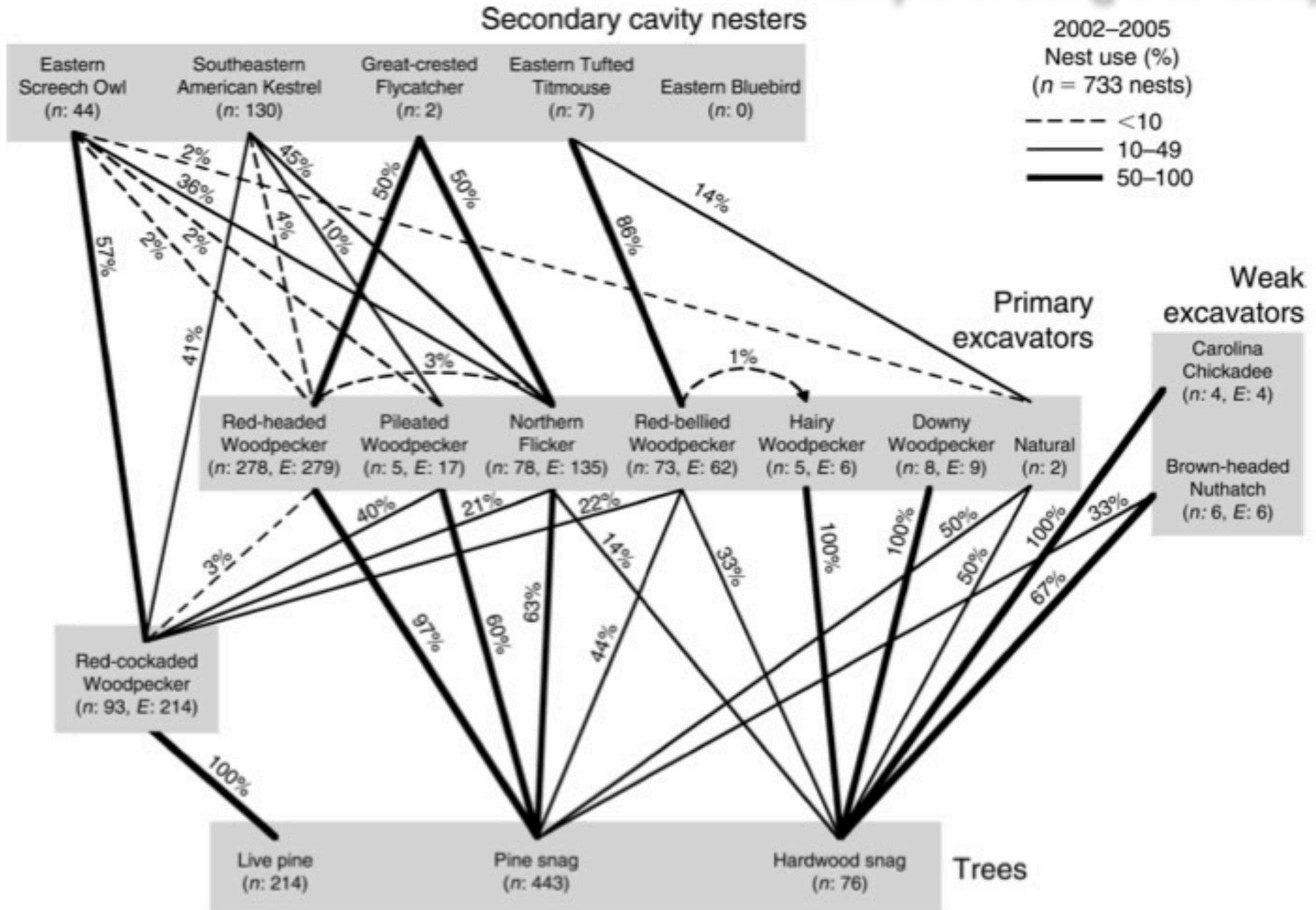







example of using tree cavity



(BLANC, L.A., WALTERS, J. R., 2008)

Great Slaty Woodpecker

-  Great Slaty Woodpecker is a large woodpecker and needs large trees
-  number of big trees being low
-  habitat degradation and hunting
-  at least 90% of GSW has been lost
-  the large trees this woodpecker is associated with provide structures for numerous invertebrates and arboreal mammals



EXAMPLE: Relationship between Woodpeckers & Hornbills

Abandoned nests of Great Slaty Woodpecker and Greater Flameback were re-used by



Plain-pouched Hornbill (*Aceros subsuficollis*); 7 out of 7 nests (100%)



Oriental Pied Hornbill (*Anthracoceros albirostris*); 20 out of 28 nests (71%)





(Poonsawat, P., 2005)






Discussion & Conclusion

07. Juli 2009

Threats and conservation problems of some species of woodpeckers

-  Great Slaty woodpecker abundance depends on availability of large tree
-  due to logging and hunting, the population of Great Slaty woodpecker will decline
-  now there are estimated to be only 260,000–550,000 individuals
-  threatened with extinction like the now extinct Ivory-billed and Imperial Woodpeckers

What will happen when woodpeckers decrease or disappear?

-  no. of usable cavities decline
-  secondary cavity nesters and weak primary cavity nesters may not be able to breed if no cavities are available
-  Thus, secondary cavity nesters and other cavity associated species populations will decline

(Virkkala, R., 2006)

(Mikusiński, G., 2006)

In conclusion...

Woodpeckers are



engineers



keystone species

if no. of usable cavities decline, so other
cavity user populations will decline

(Virkkala, R., 2006)

(Mikusiński, G., 2006)

Recommendations for conservation of woodpeckers

 logging and hunting management

 protect big trees

 survey woodpeckers to monitor populations

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Thank you :)

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