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# The Bald Eagle Migration Study

by Mary Hosier



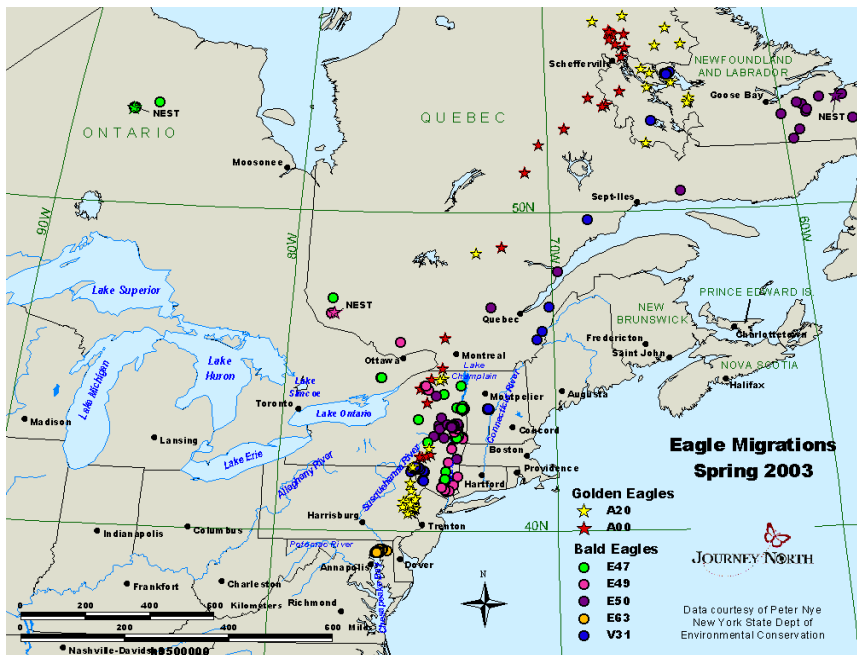
### **Meet "Eagle-eye" Nye!**

Do you wonder how far bald eagles roam when they migrate? So does biologist Peter Nye. Where do eagles find their food? How far do they travel in their search for safe nesting grounds? We study the habits of these birds so we can better protect them and the habitat they need for survival. You can join Journey North with "Eagle-eye" Nye to follow the movements of bald eagles this spring.



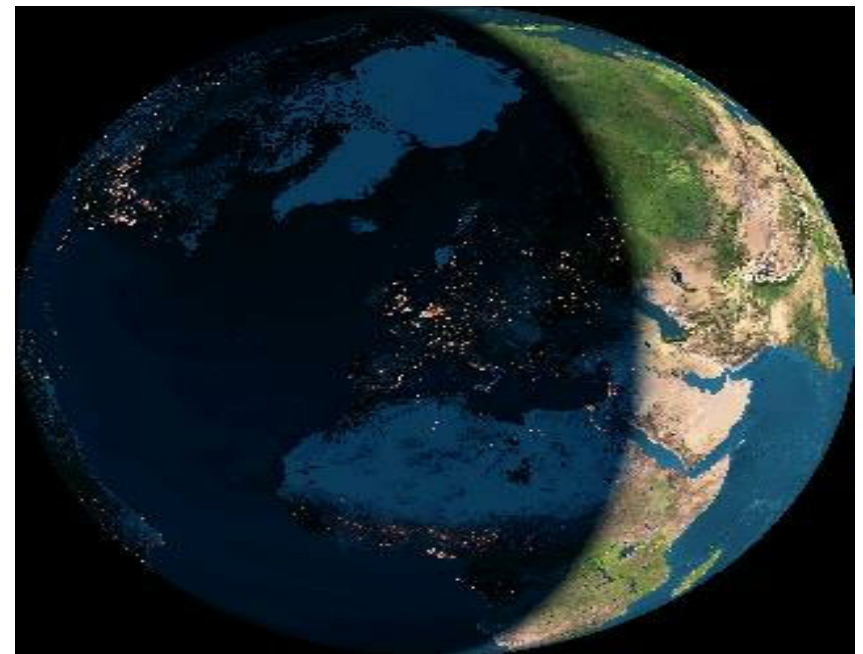
### **Help From Eyes in the Skies**

This bald eagle was gently captured. Peter Nye fit the bird with a satellite transmitter that is worn like your school backpack. The transmitter sends signals to satellites orbiting overhead. Computers translate the signals into latitude and longitude coordinates. That's how Peter Nye-- and you--can locate and map the eagles for study.



## Watching Eagles on the Move

With Journey North, you'll use the data on our maps to watch where the migrating eagles move. Or, use the data to make your own maps. Participate in an on-line contest and predict where each eagle will nest in the spring. Analyze the satellite data collected from many seasons as you make your predictions--just like "Eagle-eye" Nye does!



## Daylength and Photoperiod

What might prompt the eagles to initiate their northward move in late-winter and early-spring each year? The fall migration is prompted by food shortages. But experts believe the spring movement is driven by weather conditions, photoperiod, and day length. Explore migration with Journey North.





### **Peek Into a Sky-high Nest**

Study the local nesters in New York state. Climb a tree with Eagle-eye Nye and learn about banding baby birds. How are juveniles different from adult eagles? Do they really "wander" and what can we learn from tracking them? What else can we learn by tracking eagles with leg-bands and satellite backpacks? You'll be surprised!



### **Study the Eagle from Head to Toe**

Look closely at this eagle. There's always a WHY behind WHAT you see. The eagle has adapted so it can survive in its environment. How the eagle looks (its anatomy) and how it behaves (moves, gets food, reproduces, responds to danger, etc.) are adaptations that happened over eons. Learn more about these fascinating birds of prey as you join the migration on Journey North!