

Tracking the effects of forest fragmentation on biodiversity from space
NASA Langley Research Center
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Video Transcript

The main objective of this project was to correlate forest lost in the Baltimore-Washington area to a decline in biodiversity and bird population counts. We chose Charles County as a focus site due to its high forest lost. The animation playing is a demonstration of forest lost, shown in red, from 1985 to 2010. The data was derived from Landsat 4 and 5. The human population data shown stems from the U.S. Census Bureau and the bird populations come from the Bird Breeding Survey. As you can see, human population increases while on the other hand, the bird population decreases from 1985 to 2010. The last image shows total forest lost in the past 25 years.