

# Integrating Conservation and Development: The Role of Geospatial Science and Technologies



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**Chimpanzees are  
facing many threats**



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# Disease: Chimpanzees can contract diseases from people



Source: Anne Pusey and Mike Wilson



# Poaching & Bushmeat



# Pet trade



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# Logging



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# Conversion to agriculture and settlements

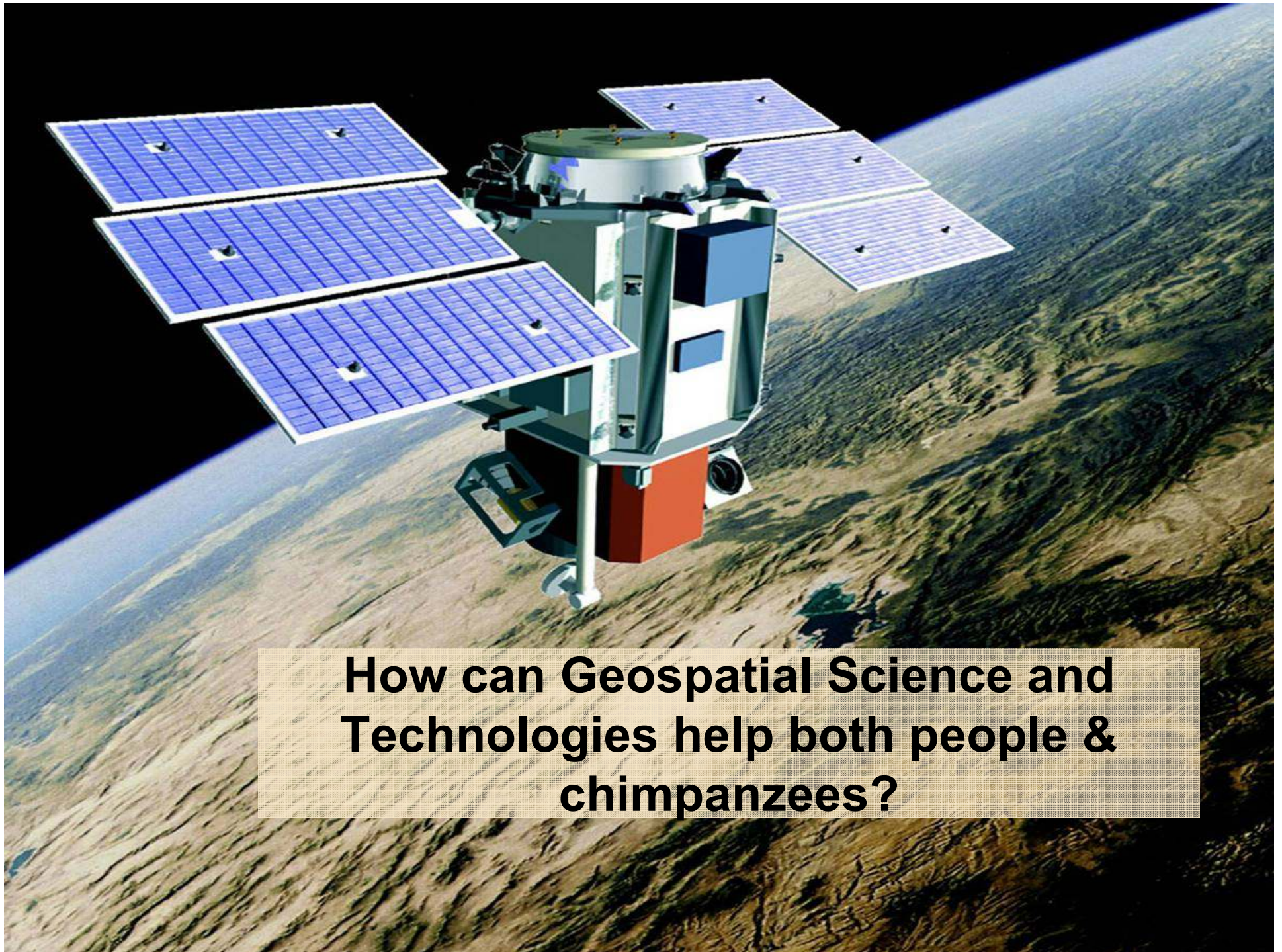




## Loss of ecosystem services supporting people livelihoods

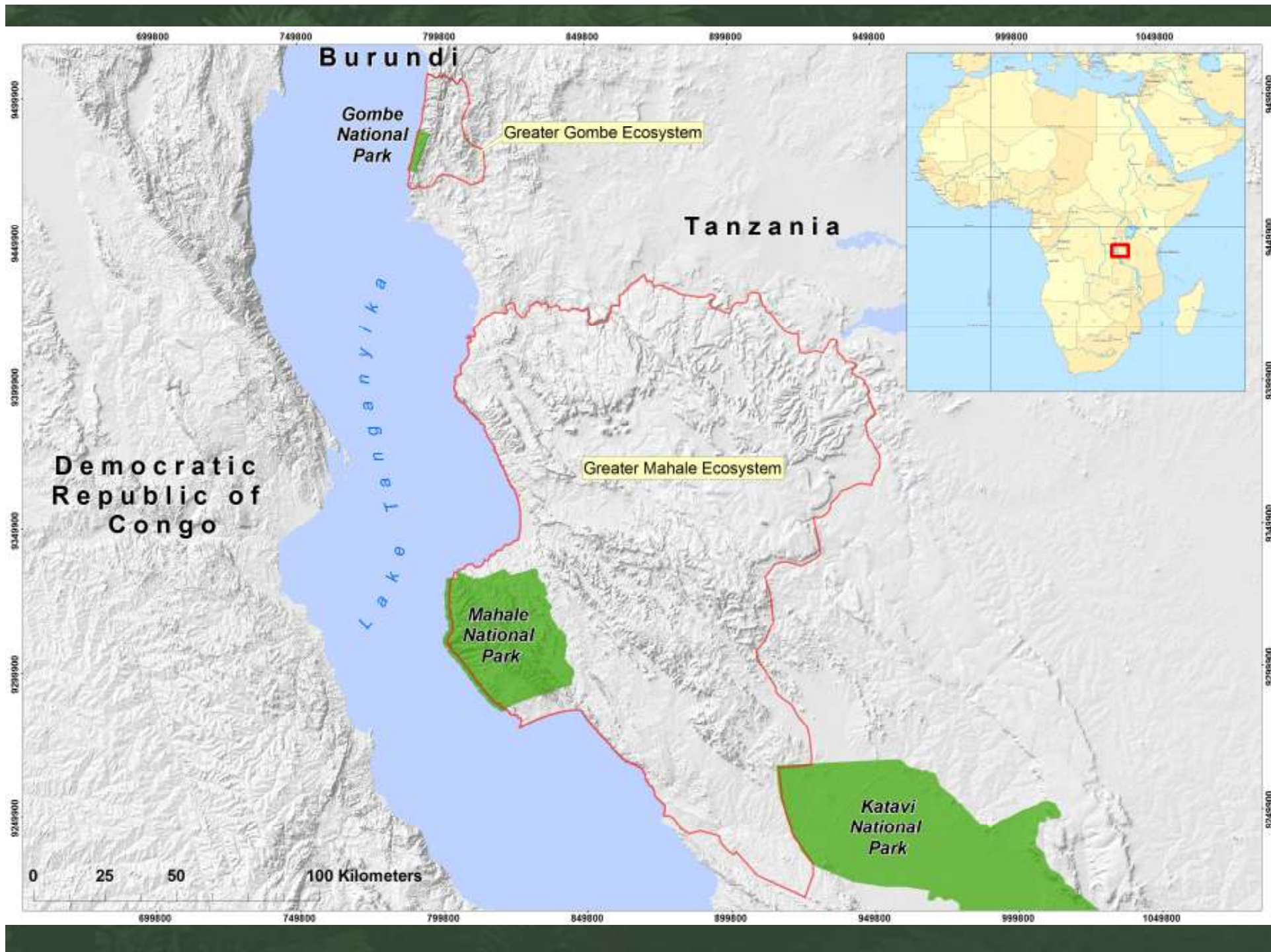






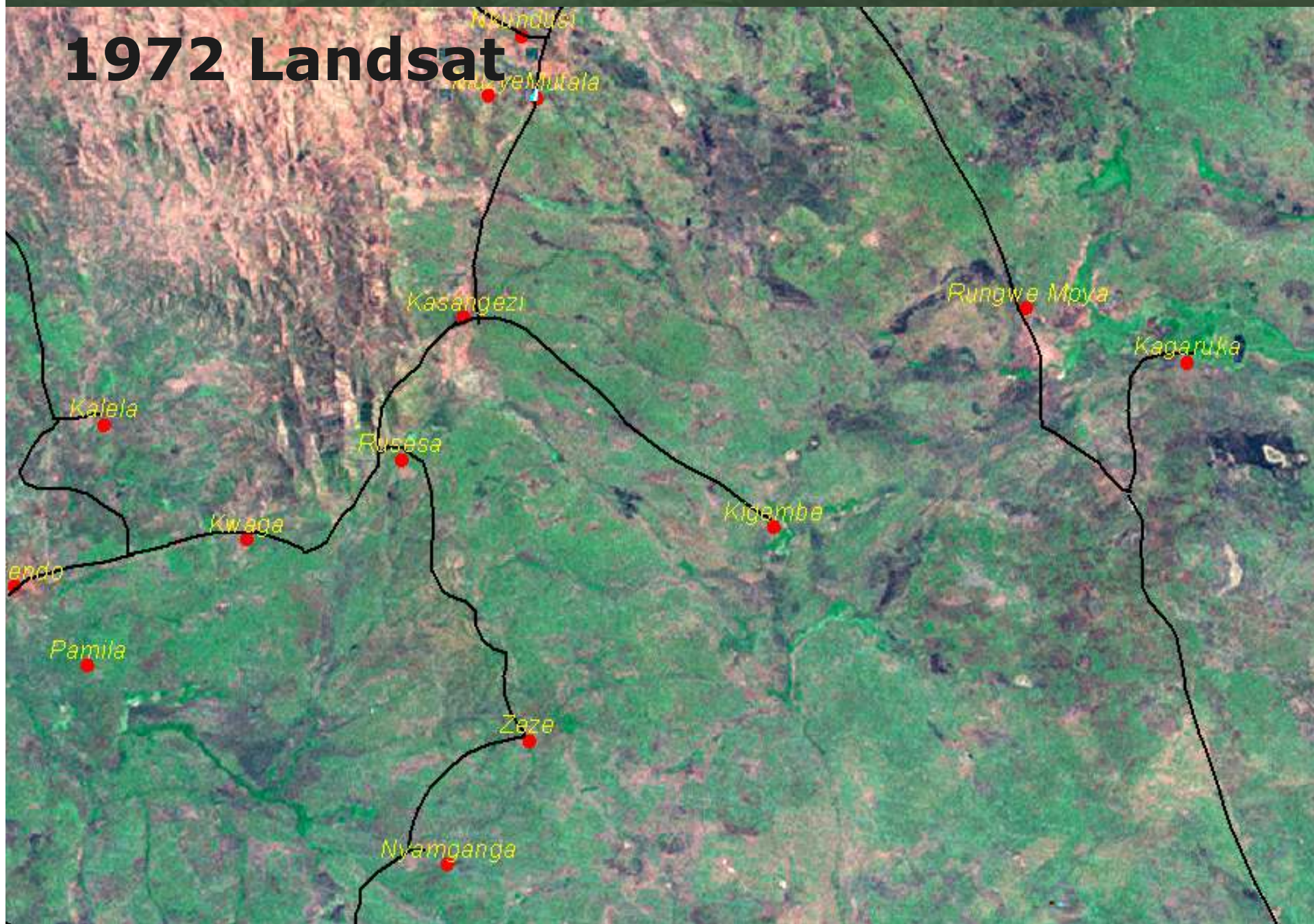
**How can Geospatial Science and Technologies help both people & chimpanzees?**





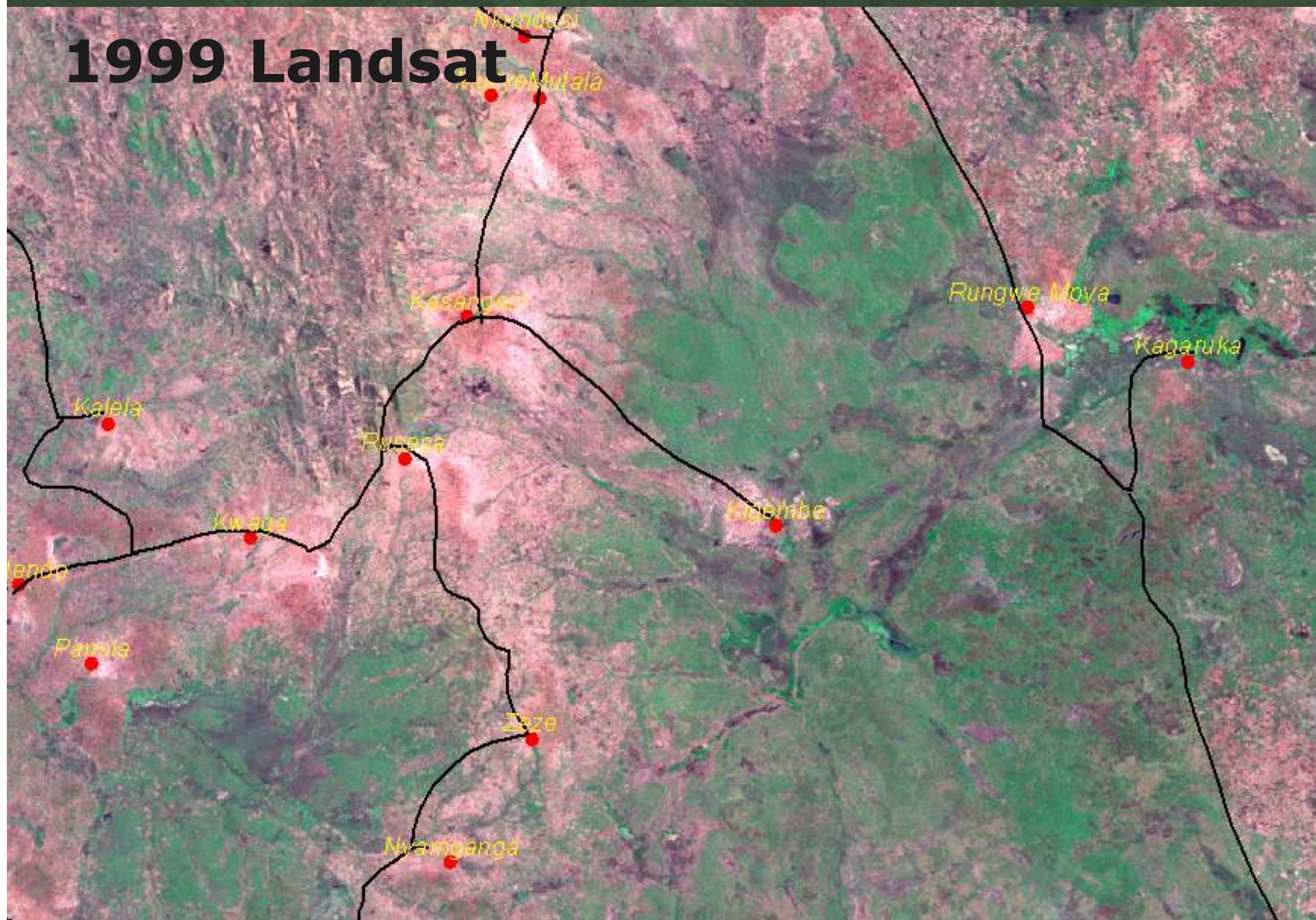


# 1972 Landsat



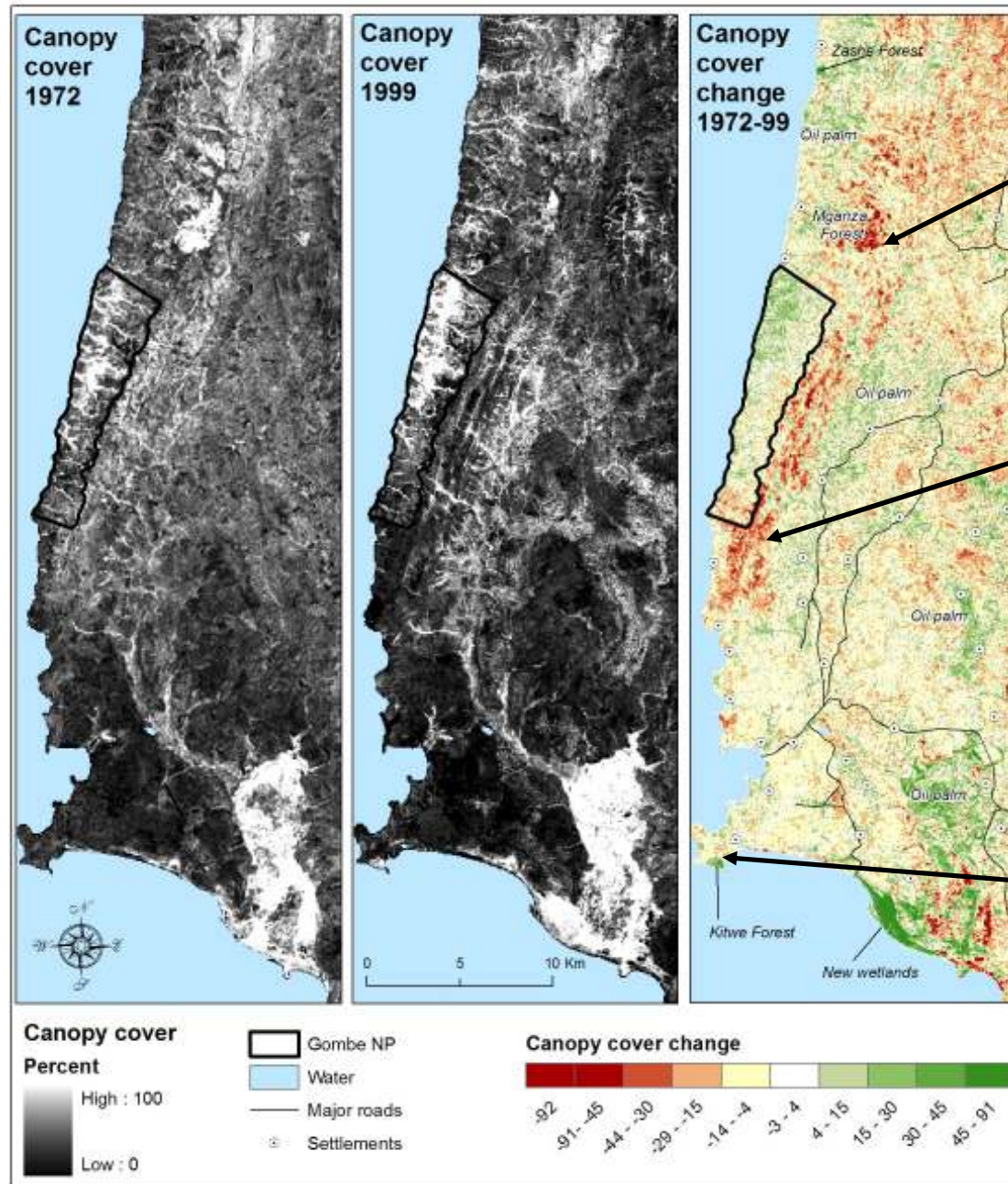


# 1999 Landsat





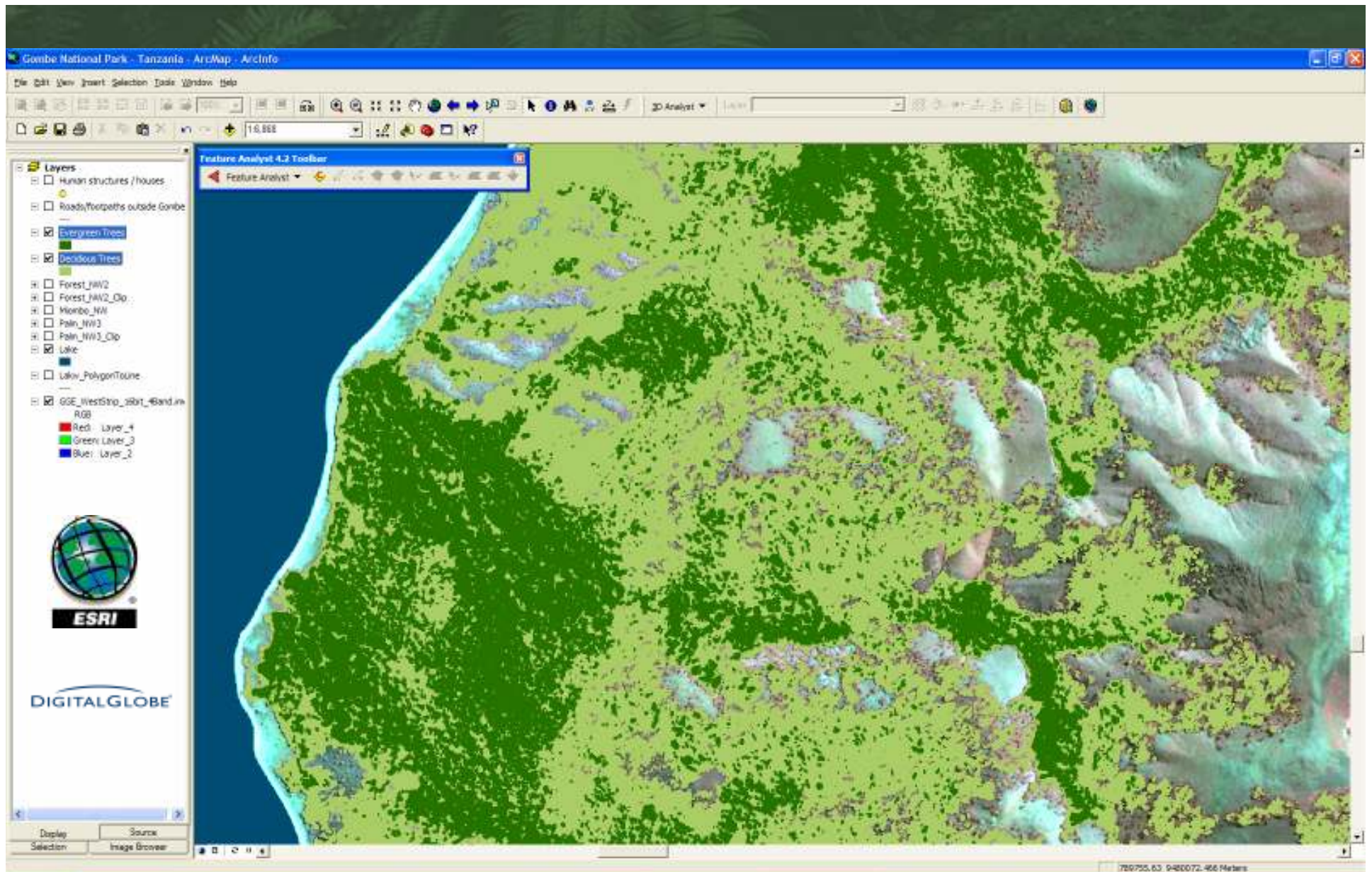
# Landsat MSS & ETM+ 1972-1999





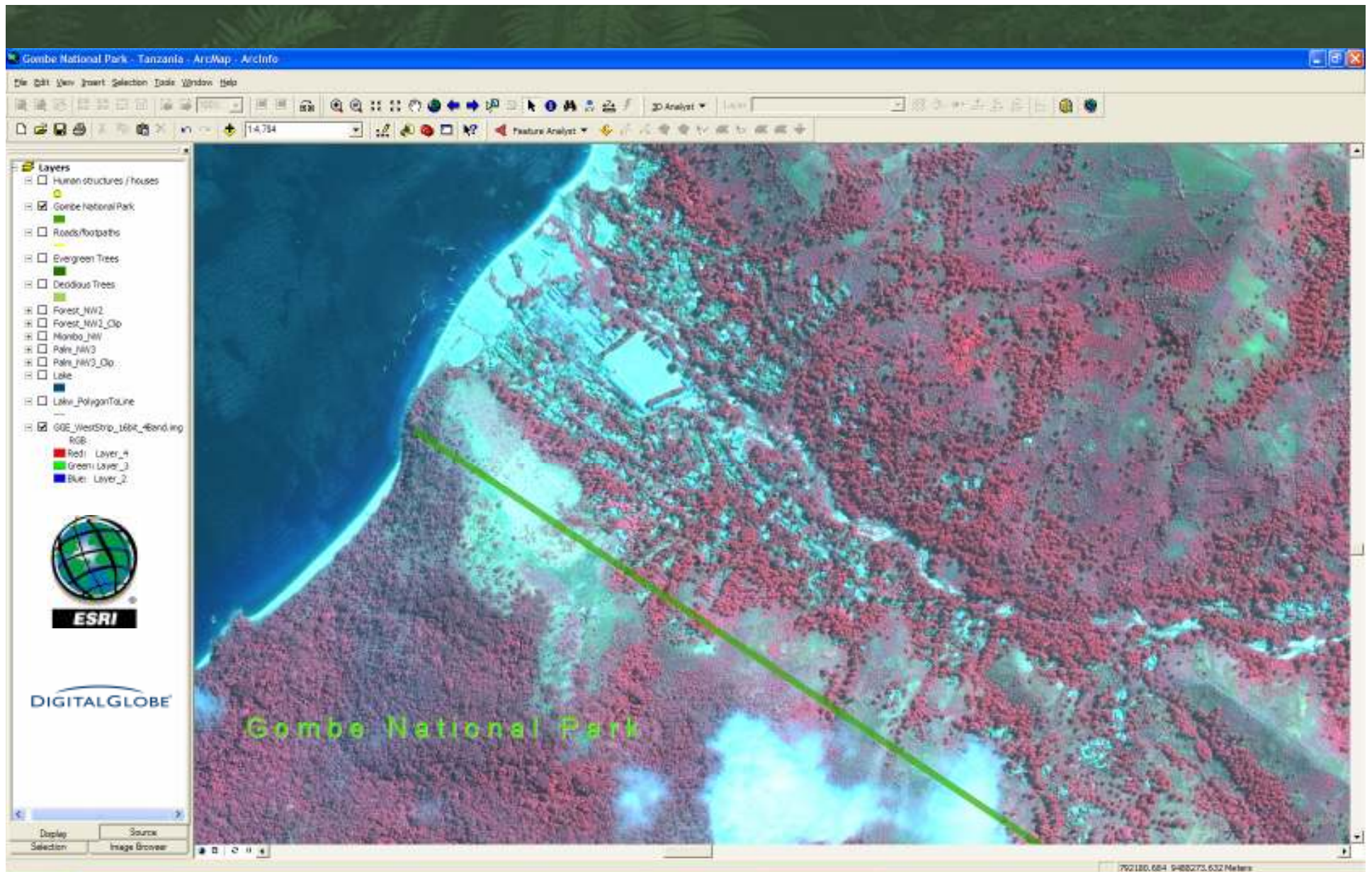






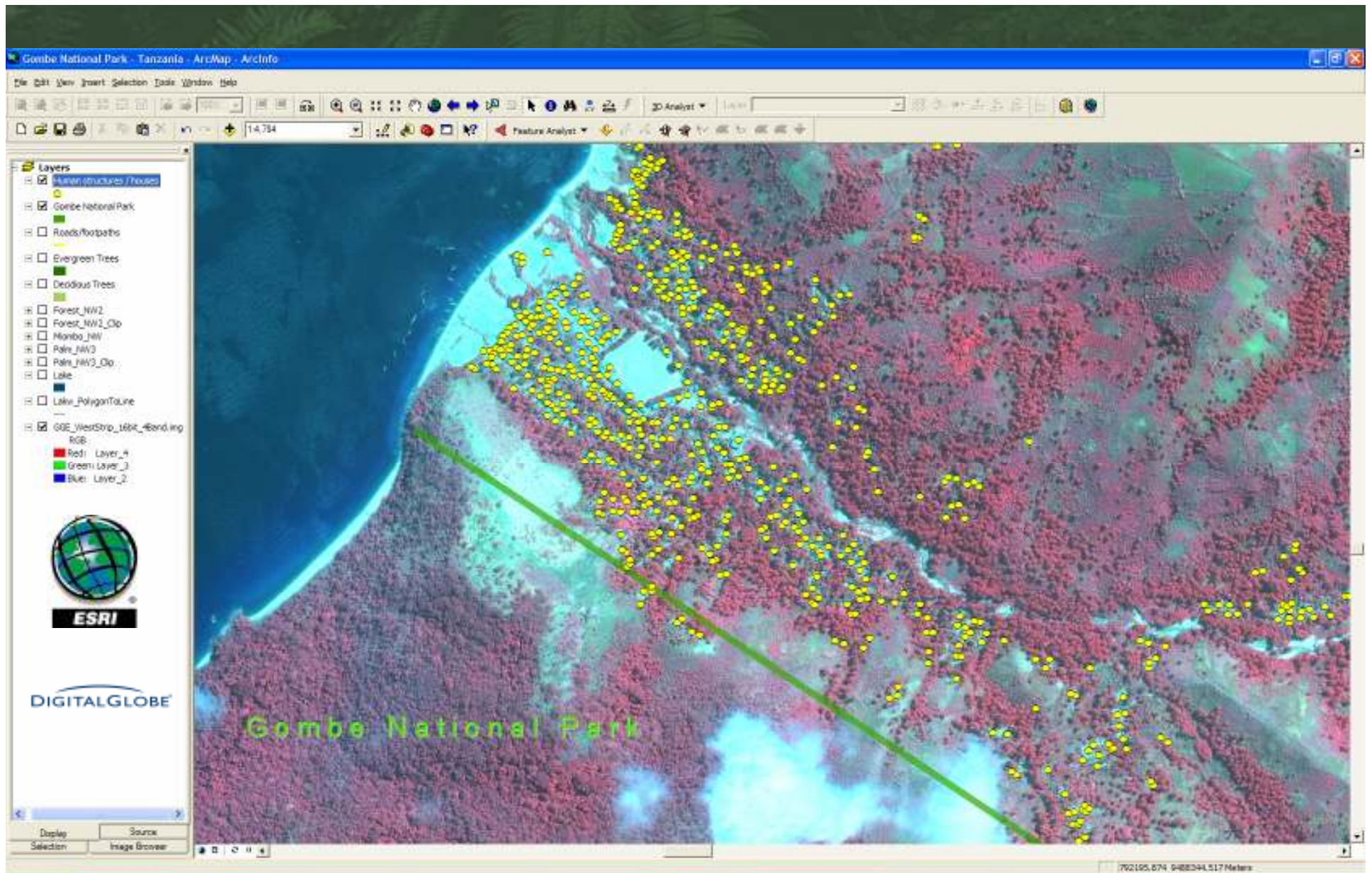
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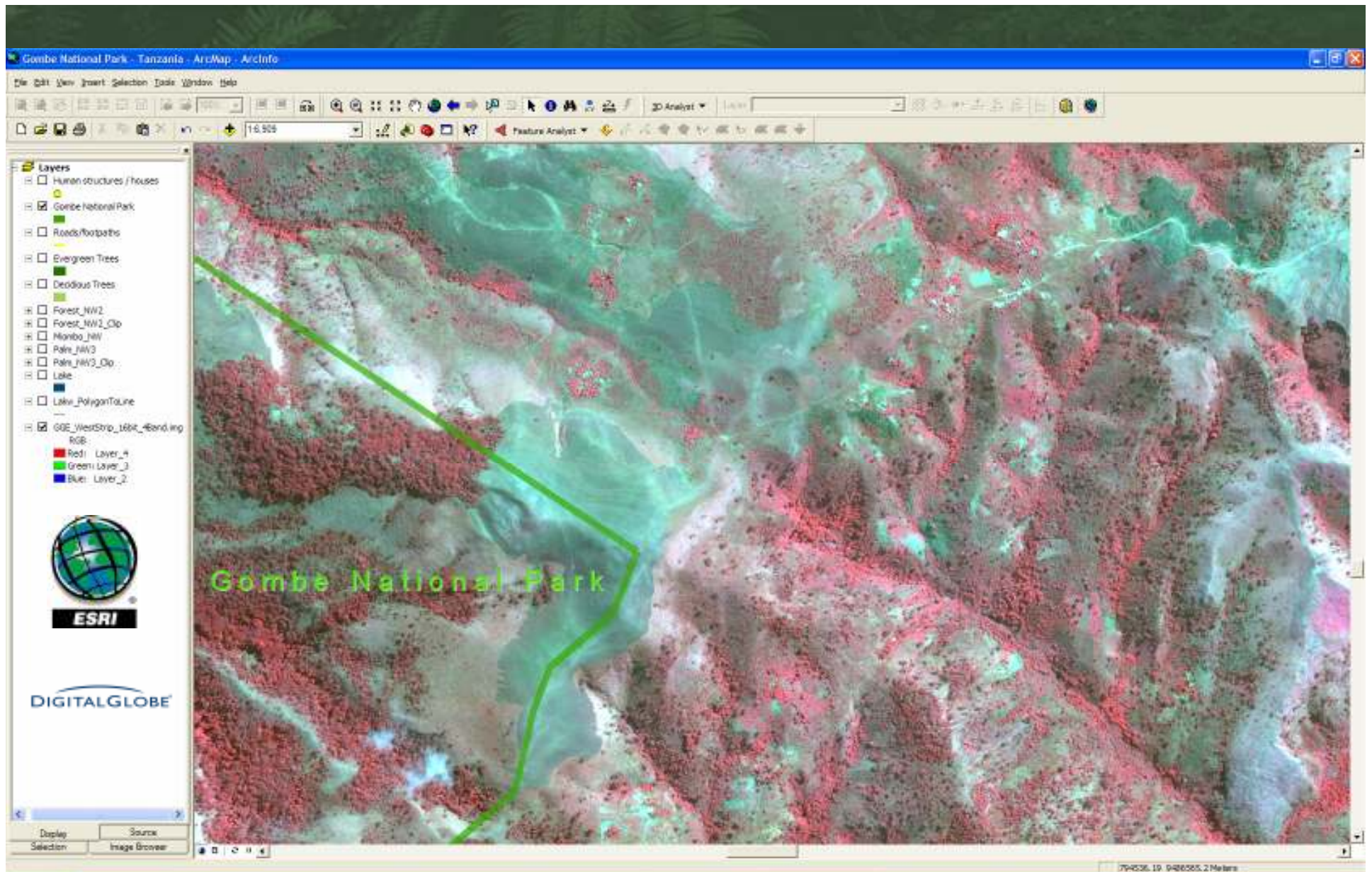
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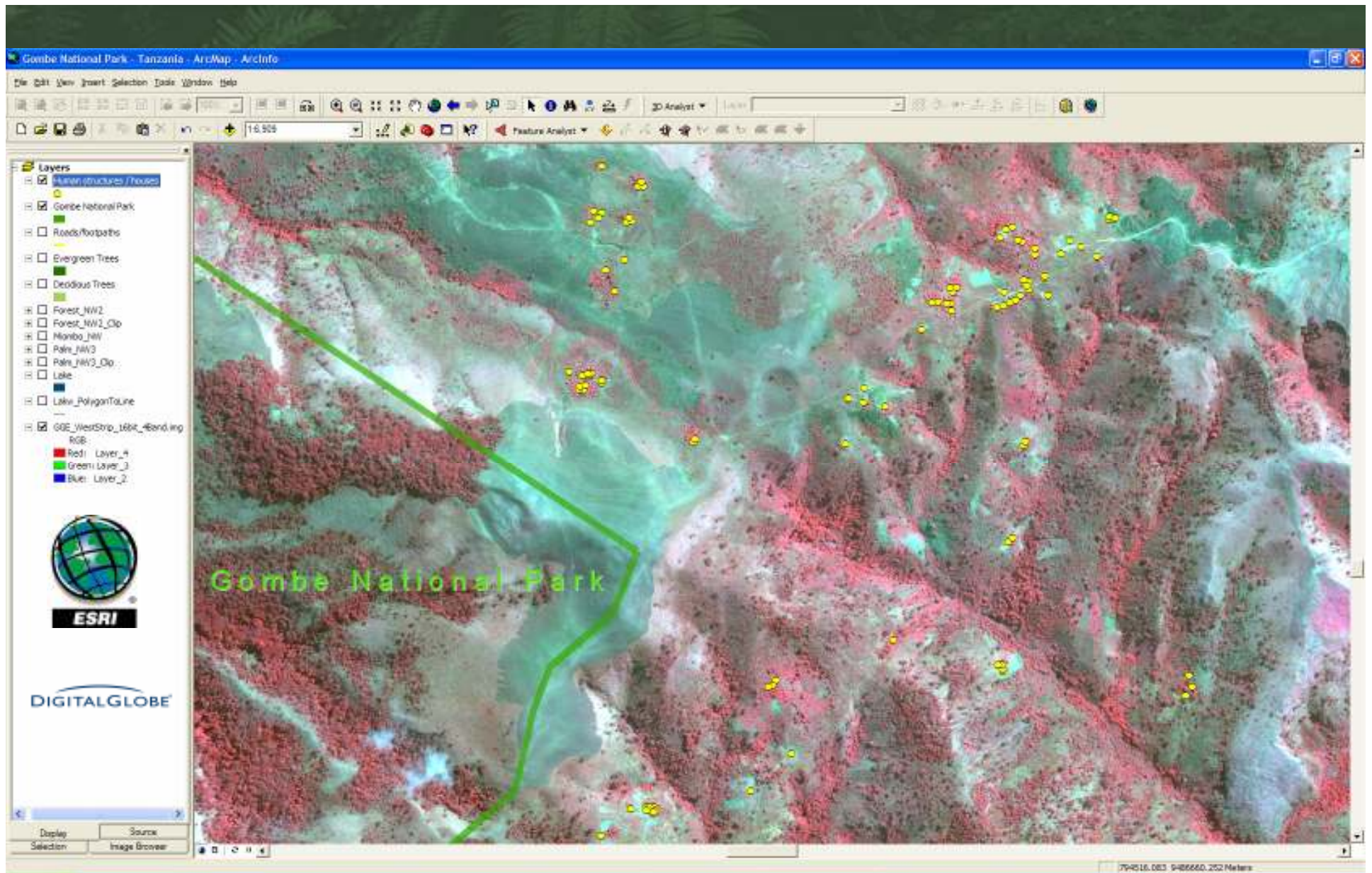
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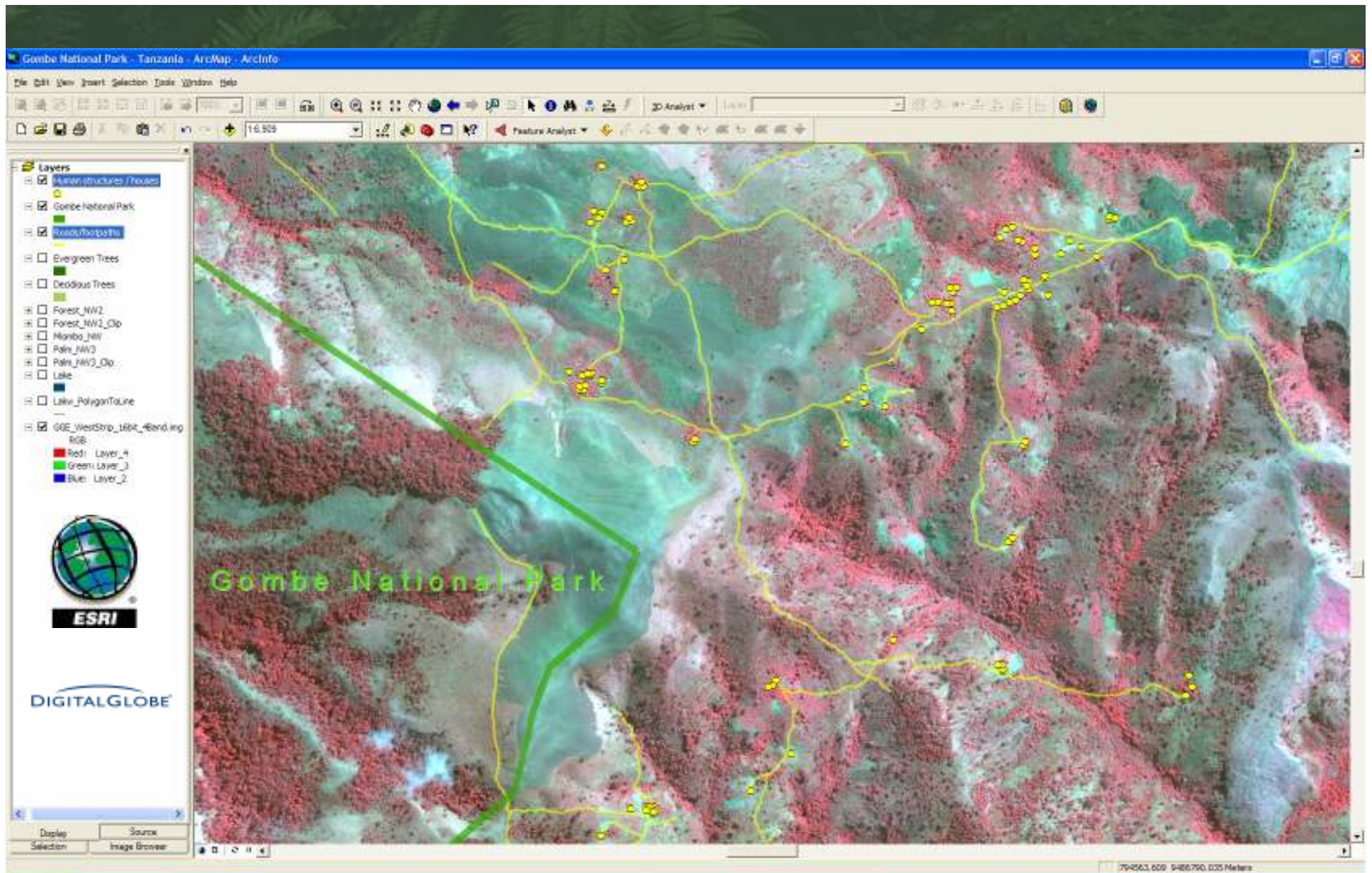
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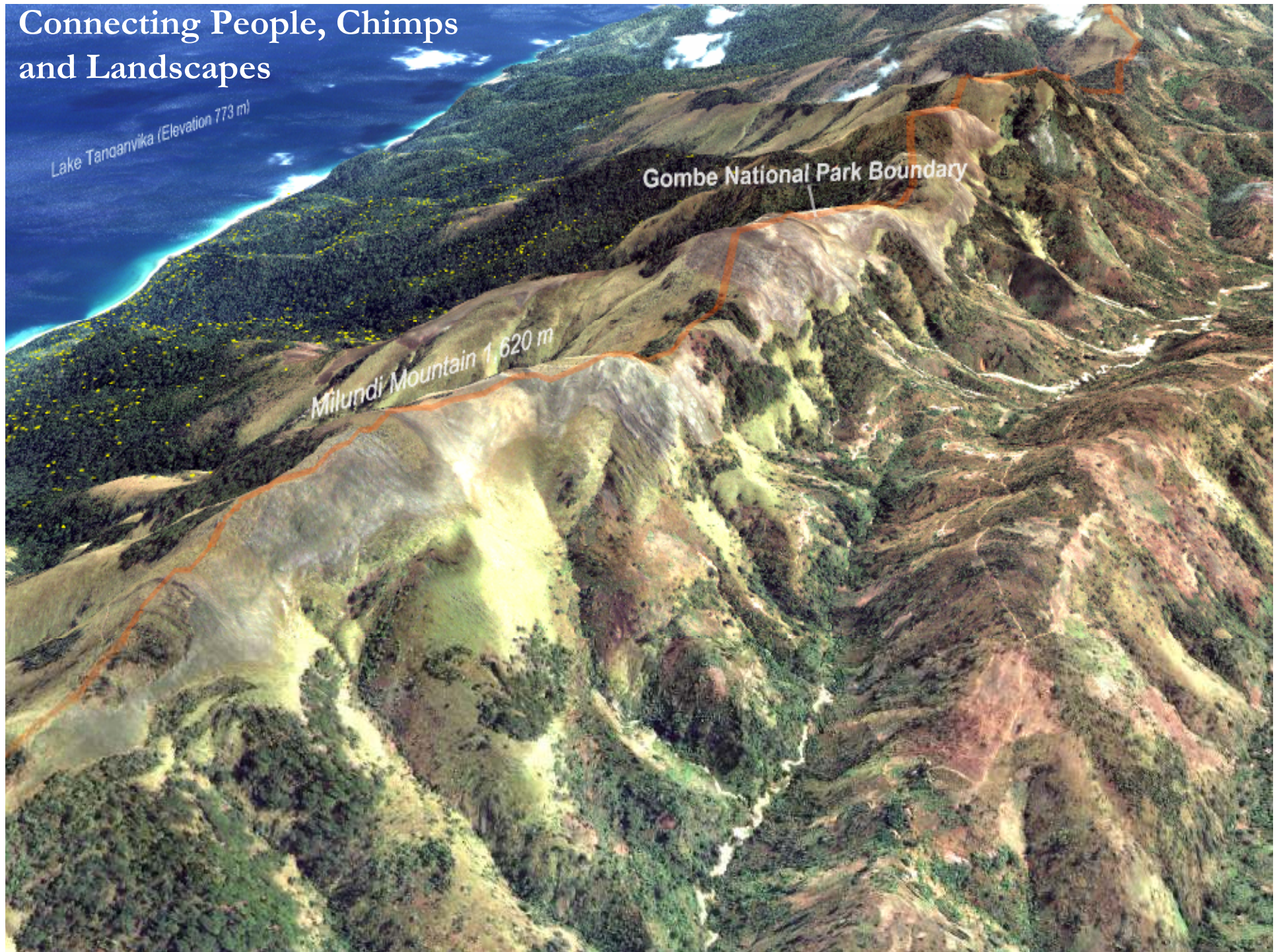




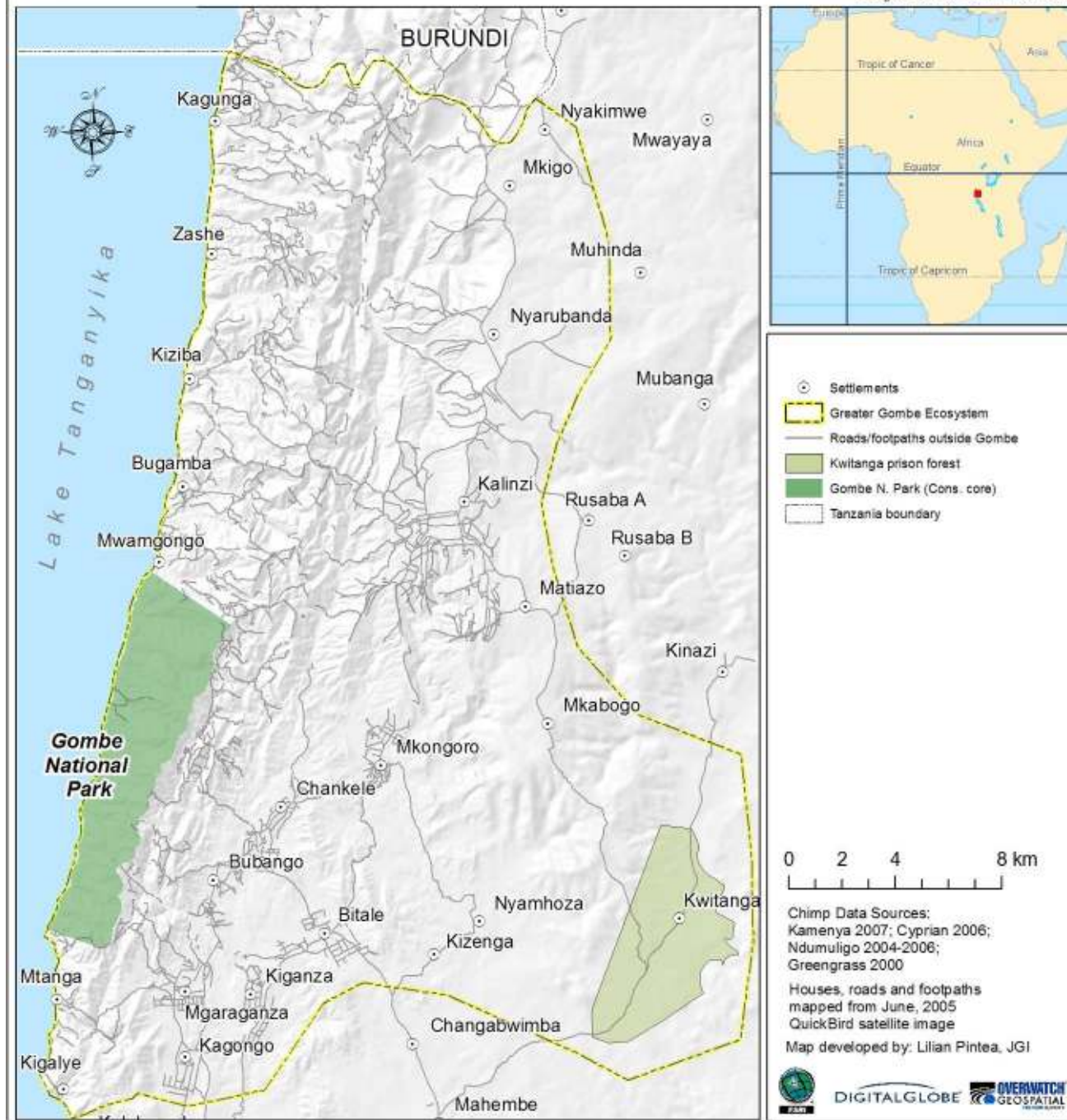
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# Connecting People, Chimps and Landscapes





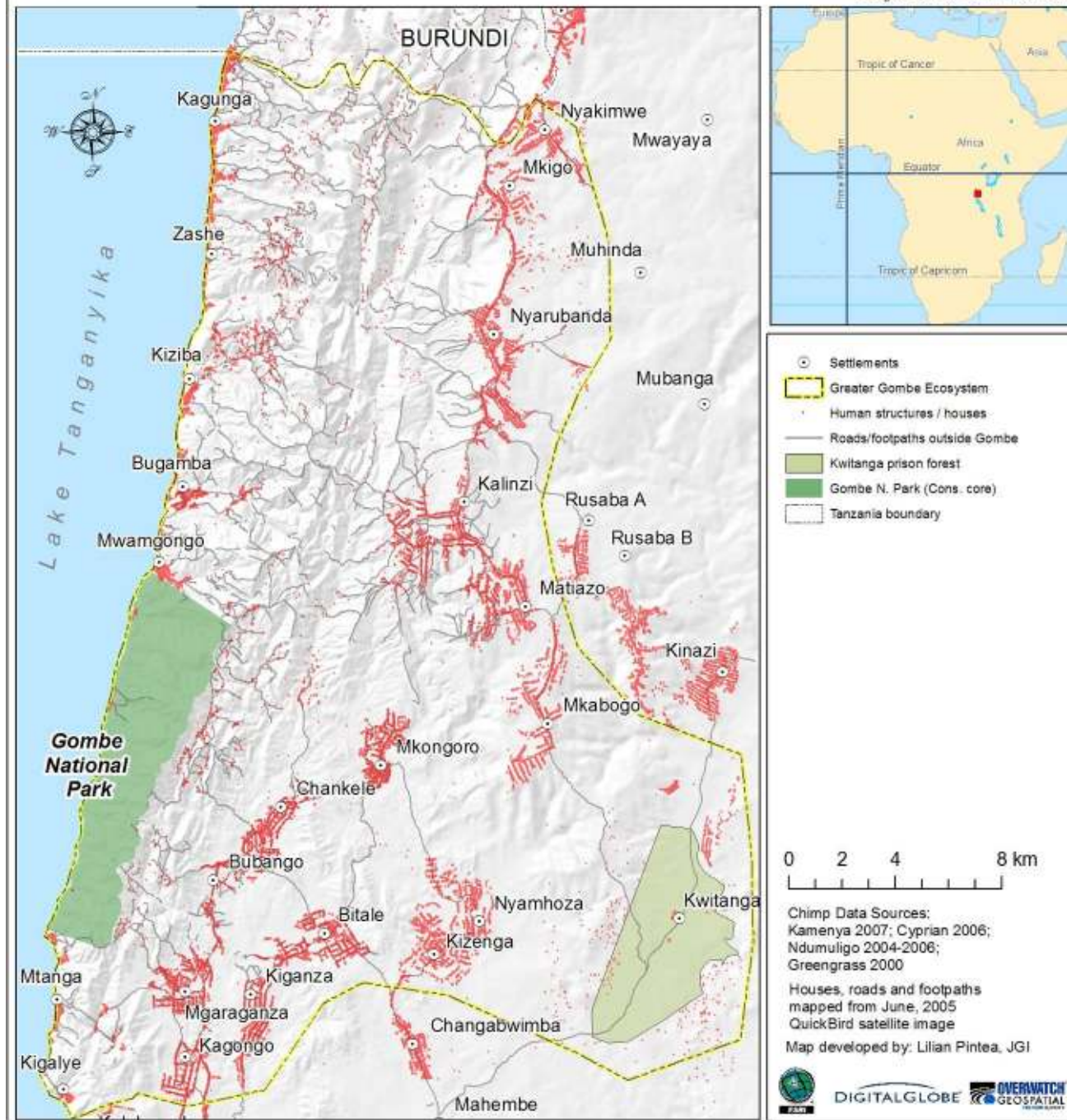




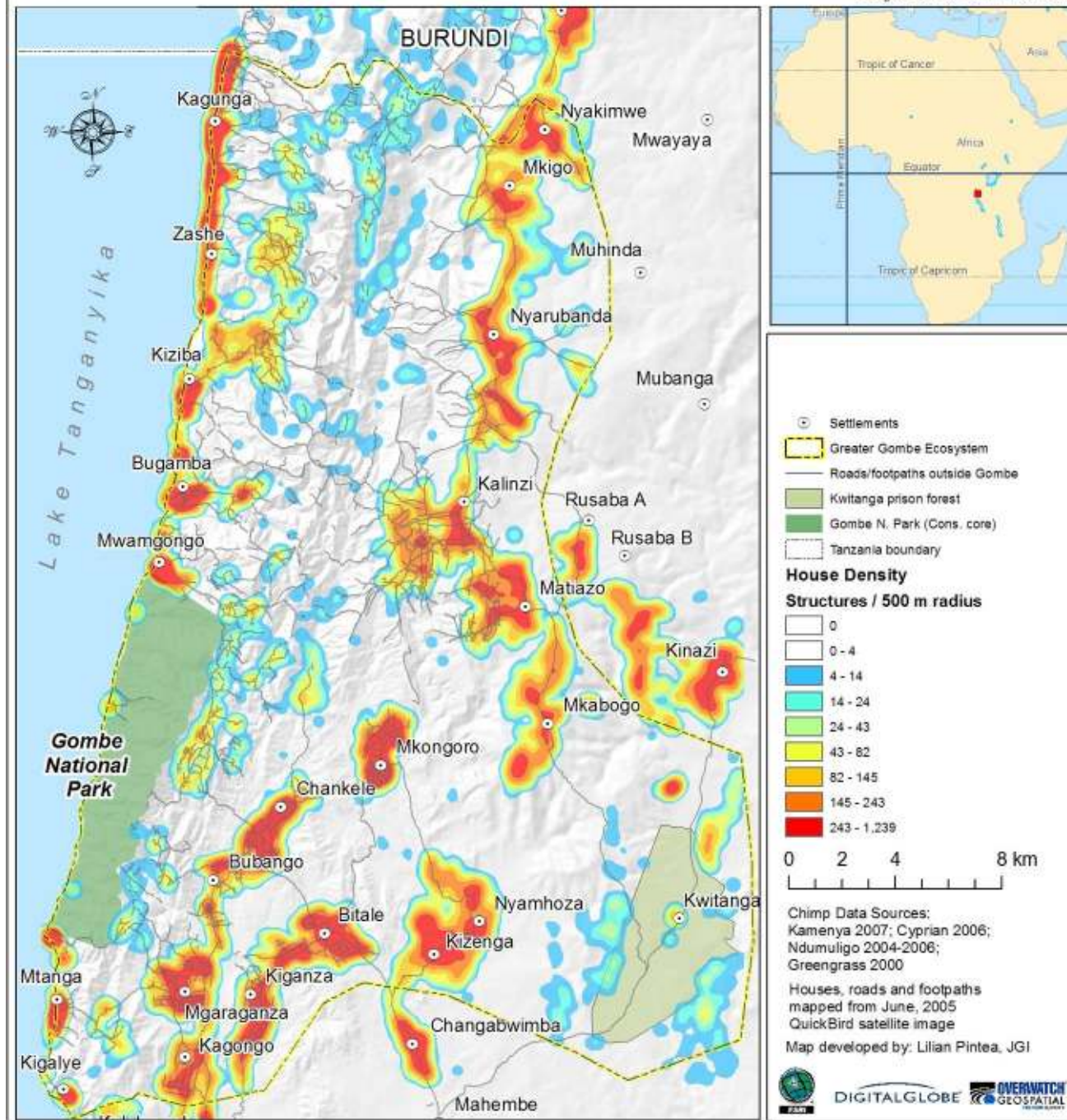


# GREATER GOMBE ECOSYSTEM

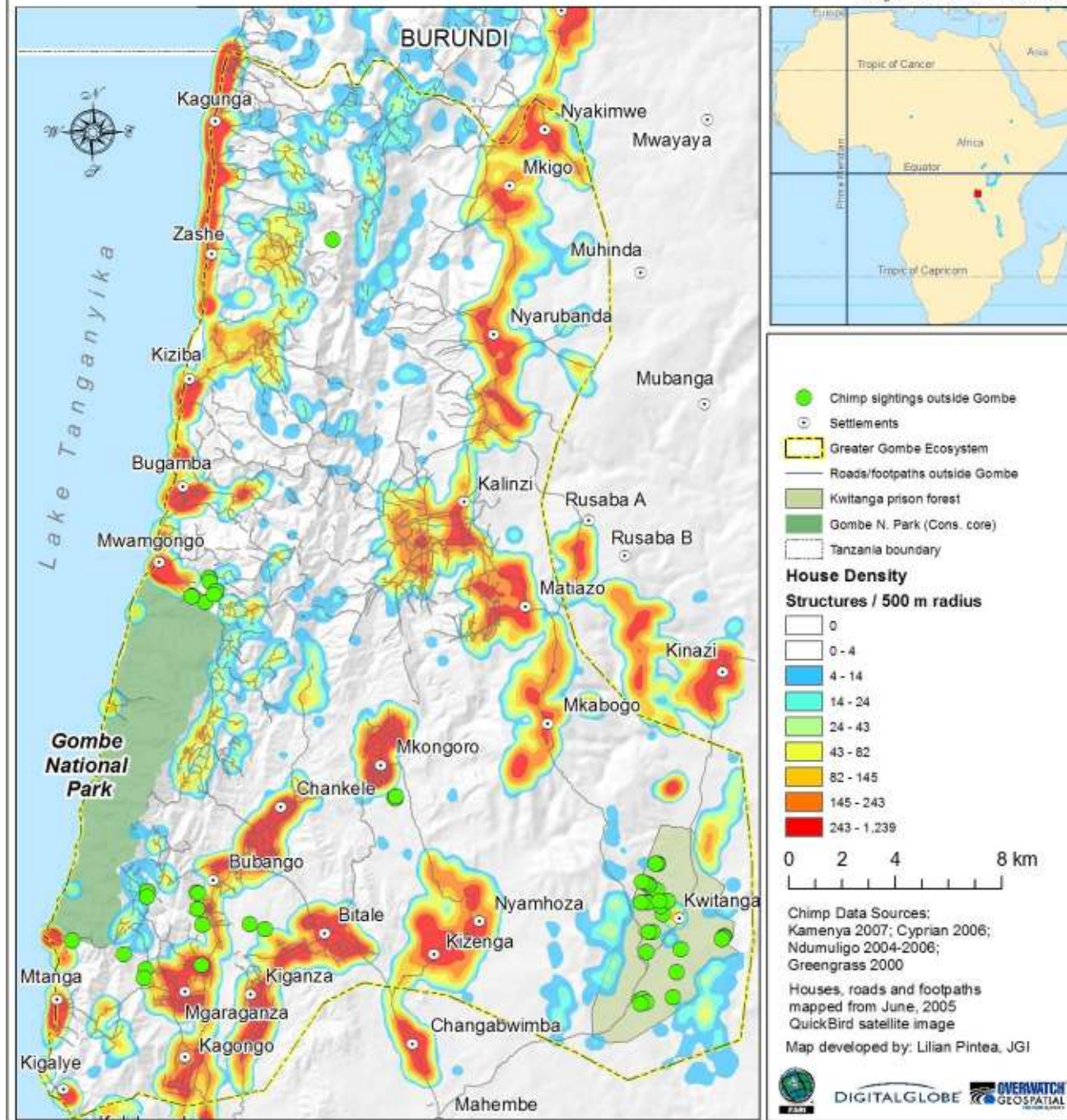
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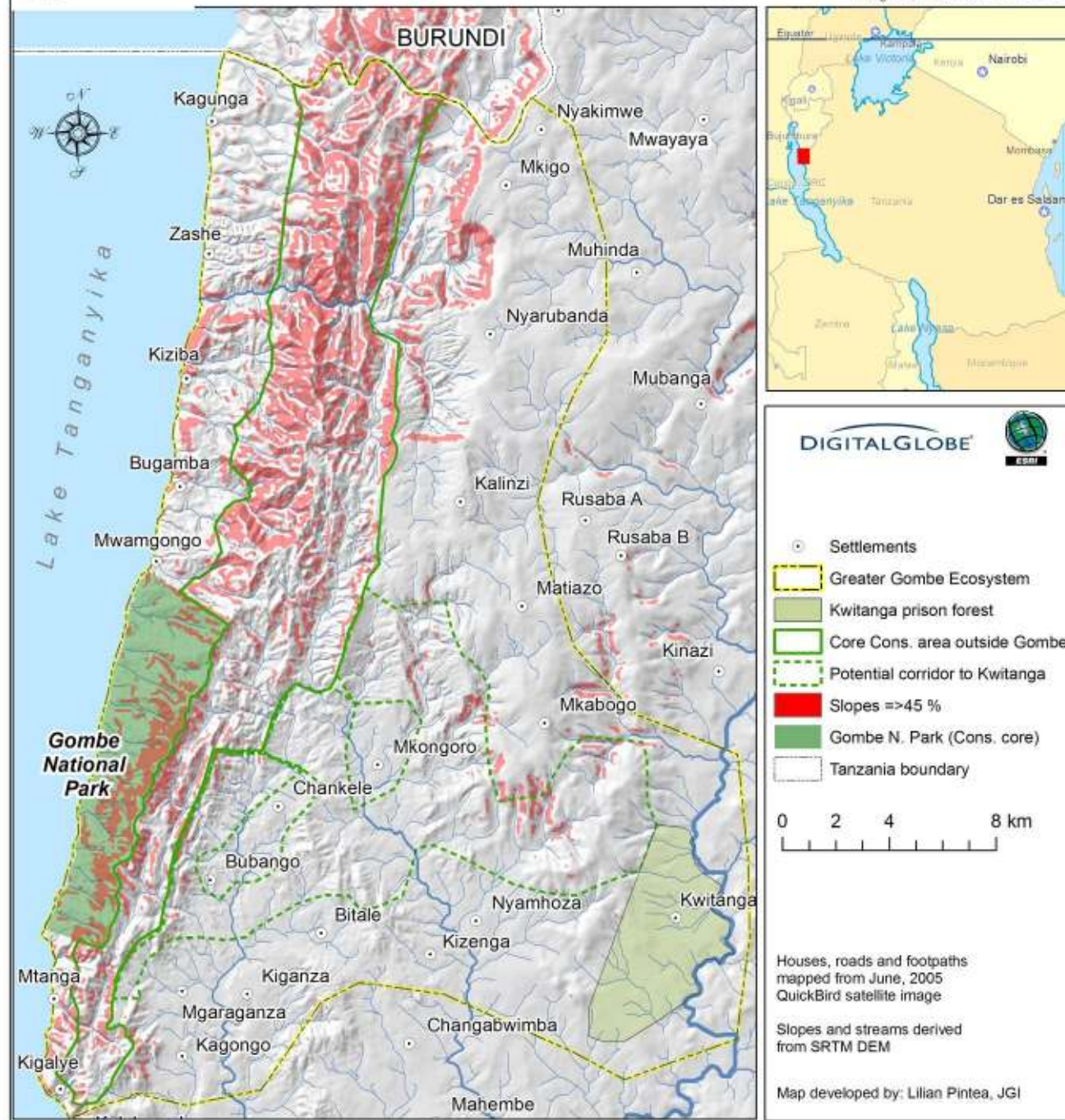




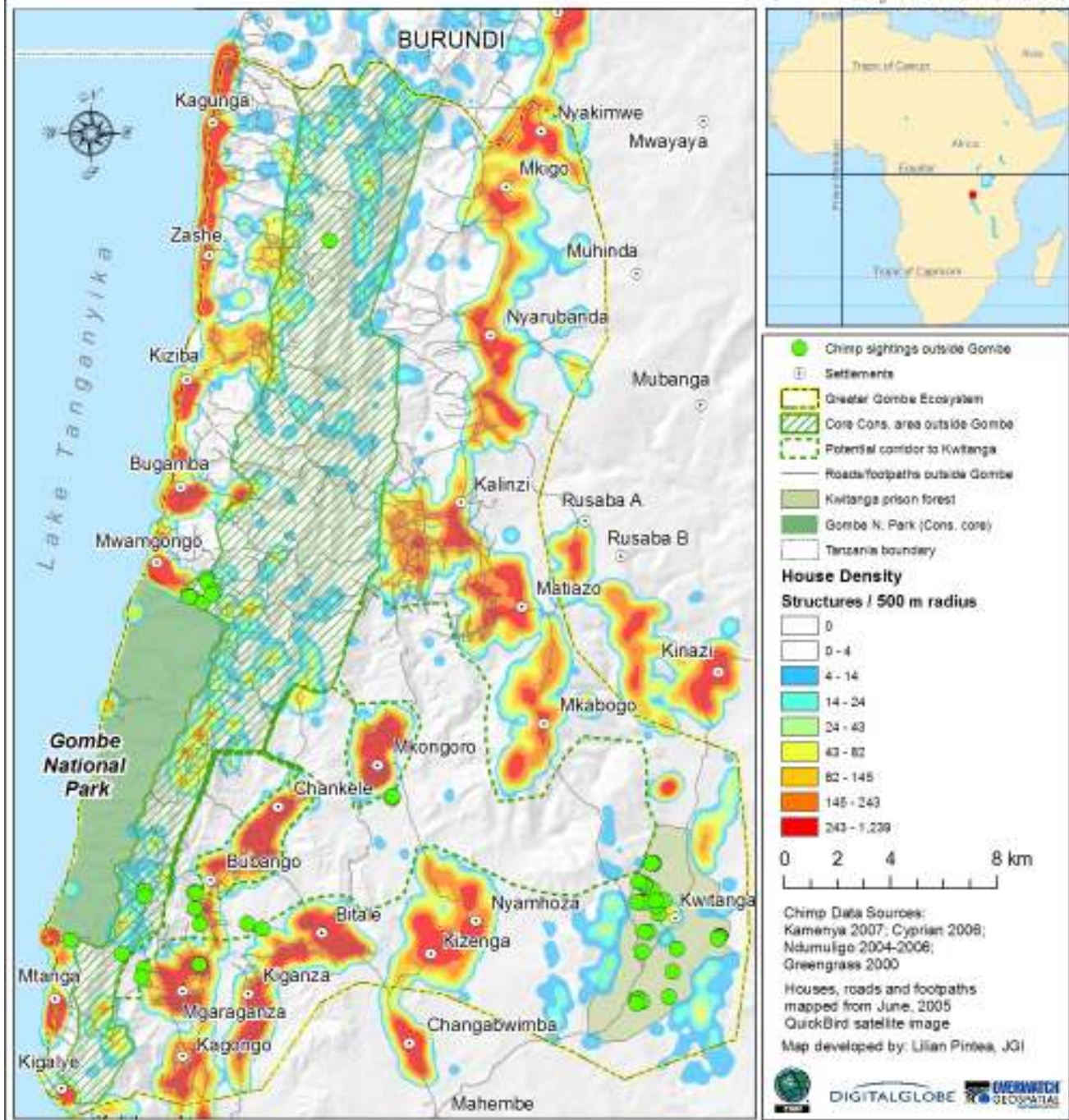














# Participatory Land Use Planning



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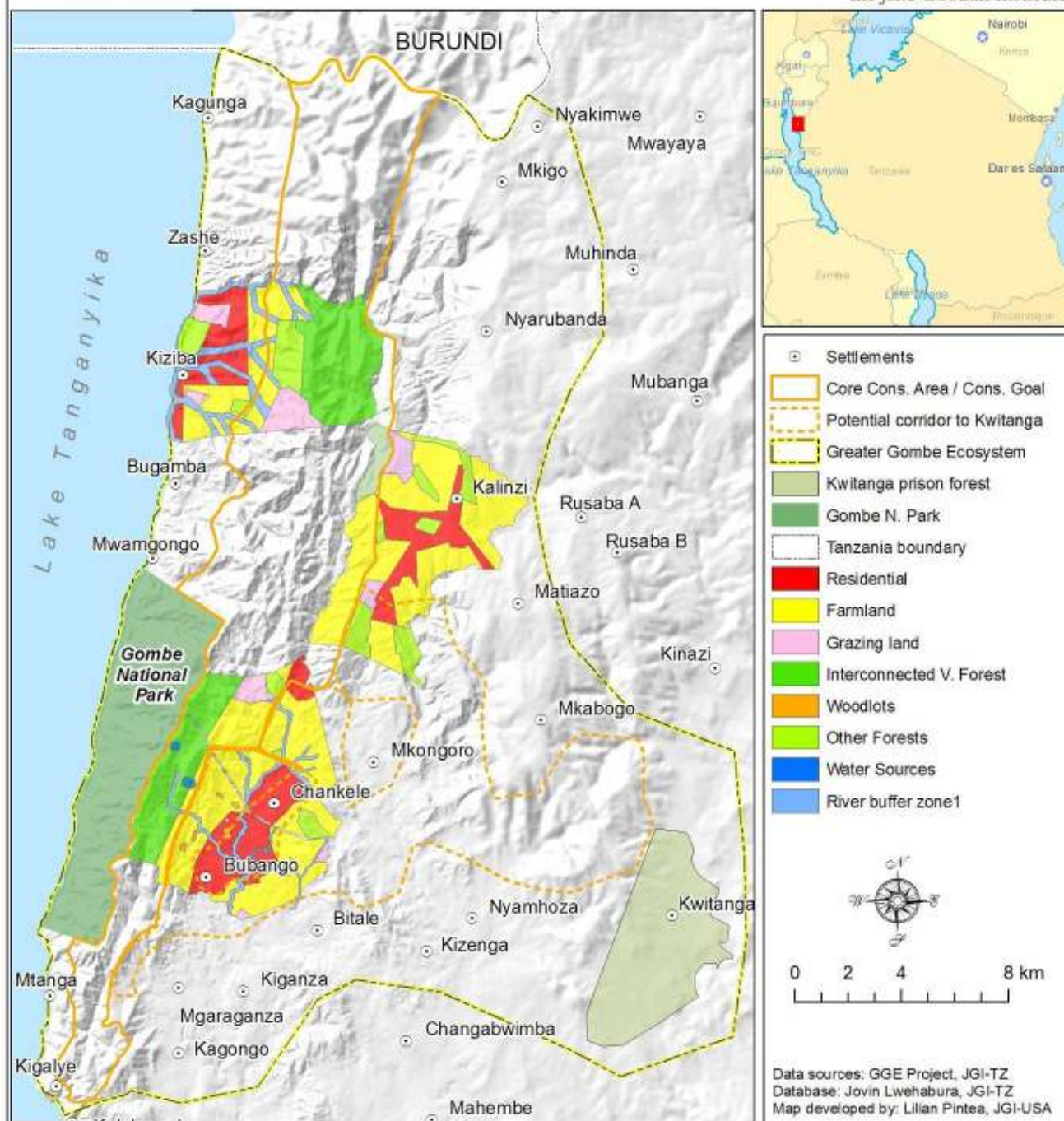


# Village Forest Monitors



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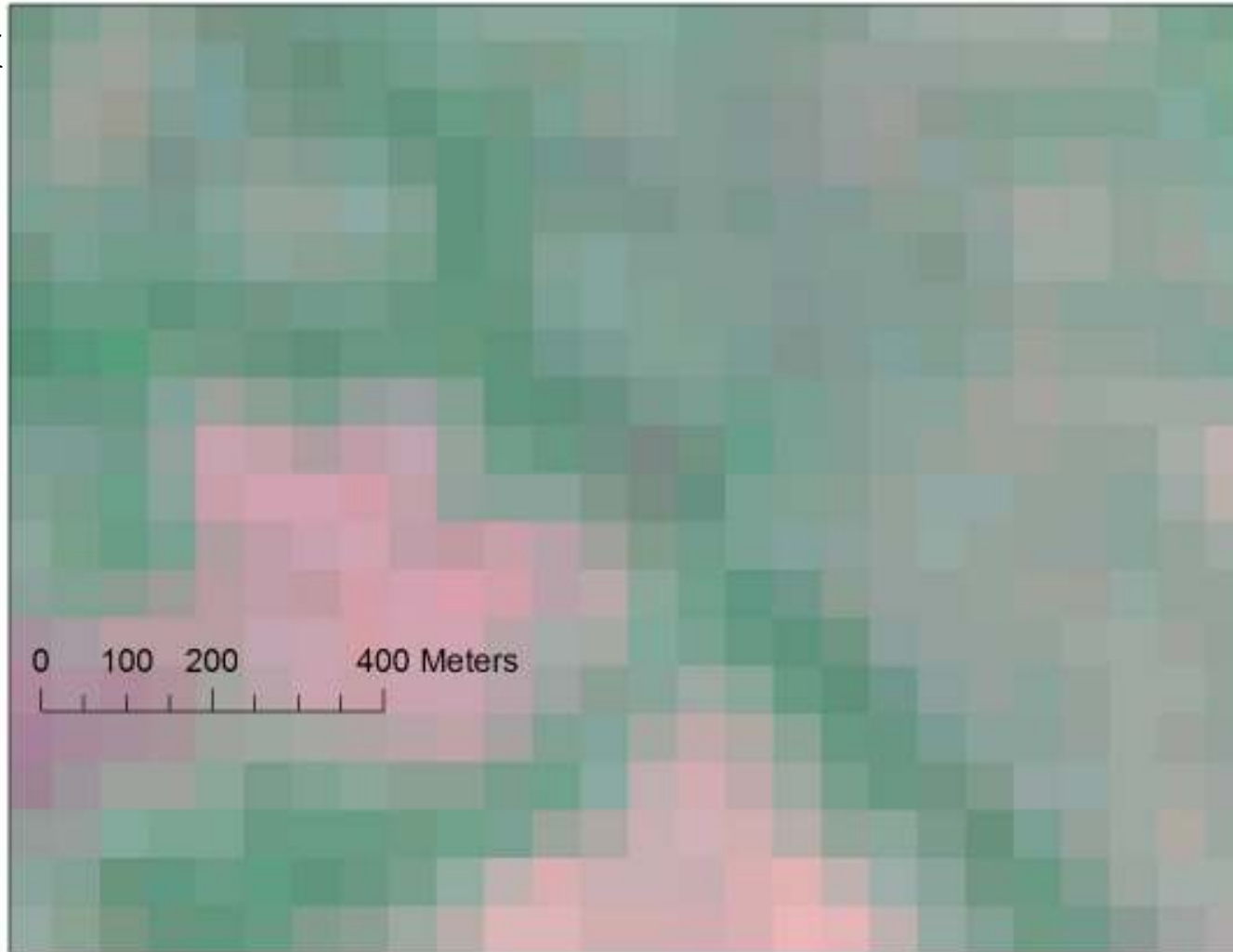


# Conservation Project Planning, Monitoring and Evaluation





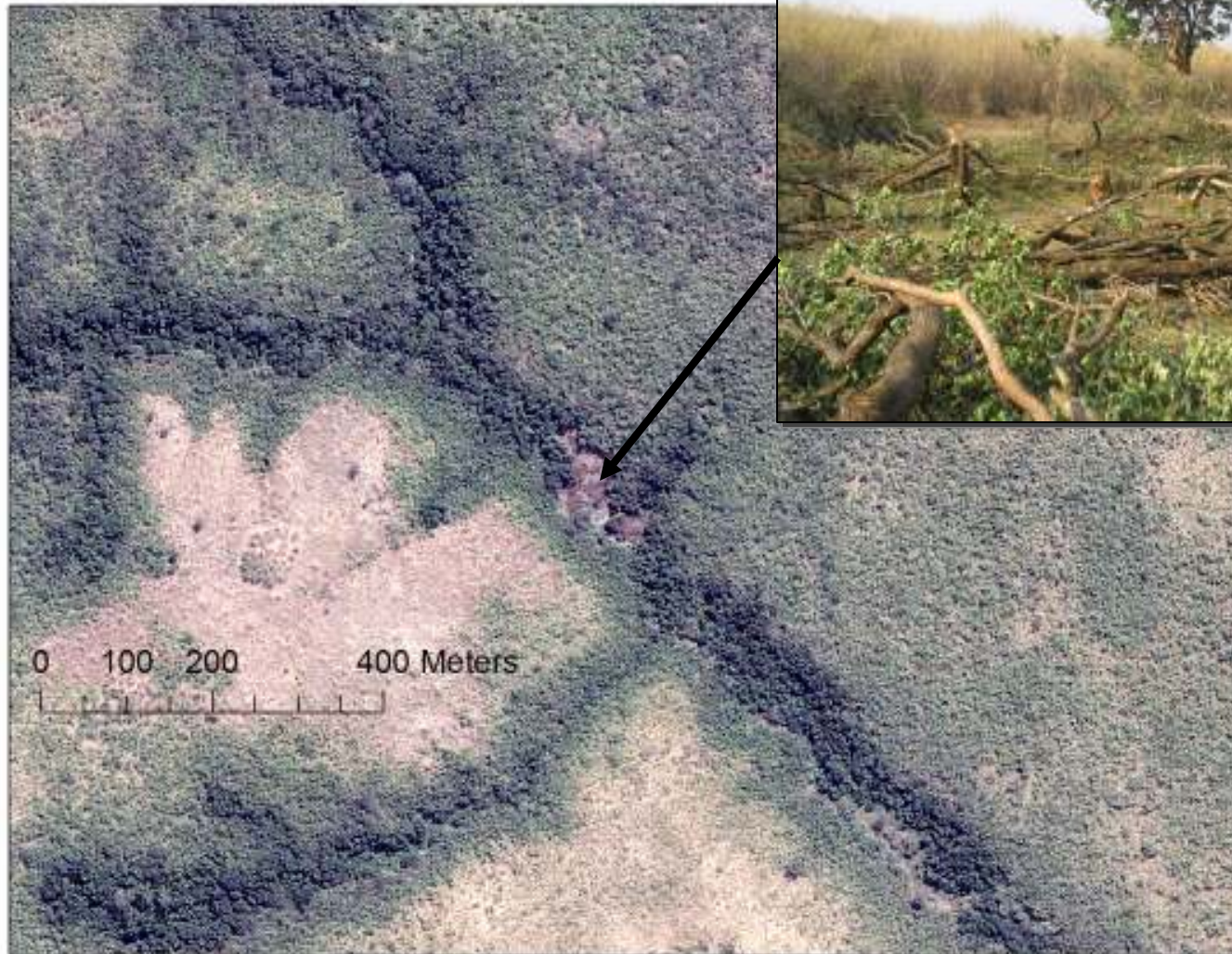
**Landsat TM**  
**30-m**



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QuickBird  
60-cm



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**A View from Space by QuickBird Satellite:  
Human Threats close to Mkanga Kasakanya Sub-village in Masito Ecosystem**







*"I'm determined my great grandchildren will be able to go to Africa and find wild Great Apes."*

*~Dr. Jane Goodall*