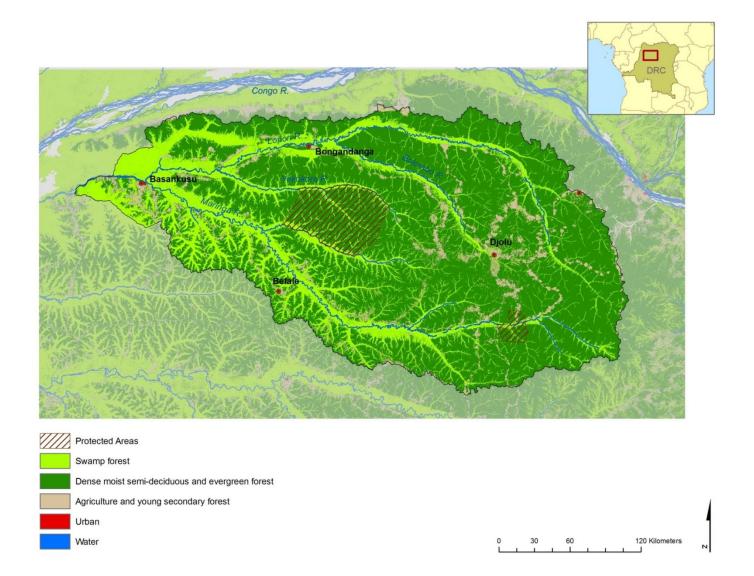
Conservation Land-Use Planning in the Maringa-Lopori-Wamba Landscape, Democratic Republic of the Congo

Janet Nackoney, Department of Geography
University of Maryland



The Maringa-Lopori-Wamba (MLW) Landscape









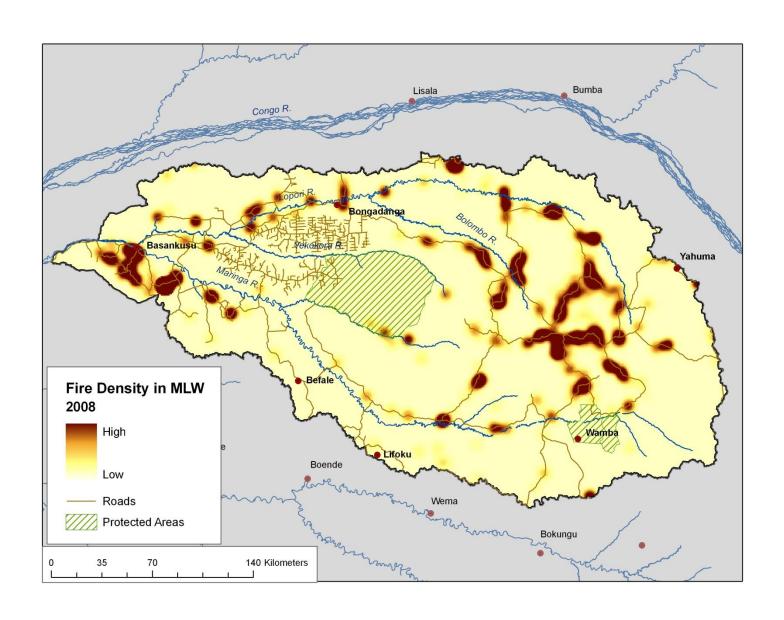






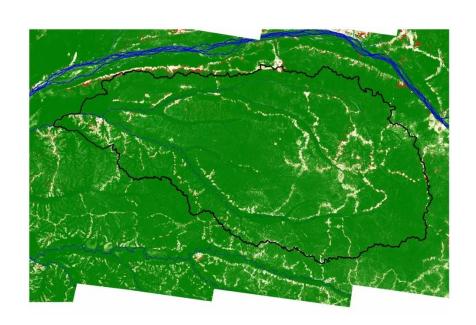


Monitoring Forest Loss

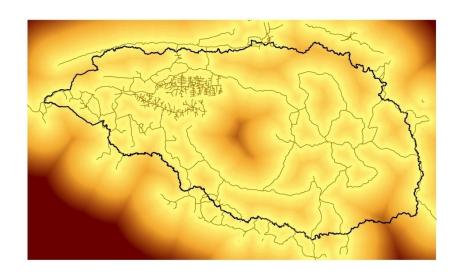


Monitoring Forest Loss

Analyses of land cover change underway to understand the extent of human encroachment into more remote areas

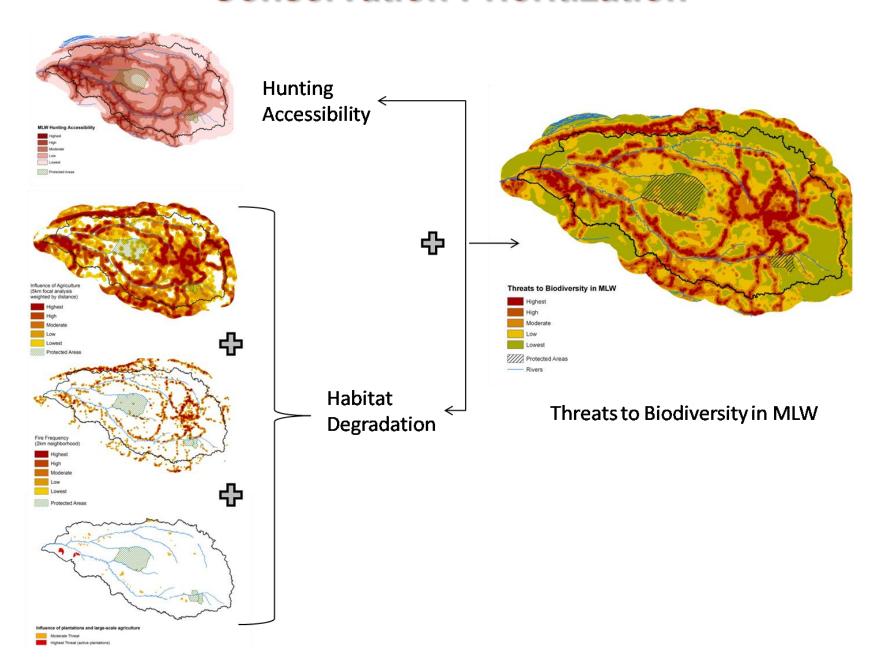


Forest loss from the Decadal Forest Change Mapping (DFCM) program, SDSU and UMD

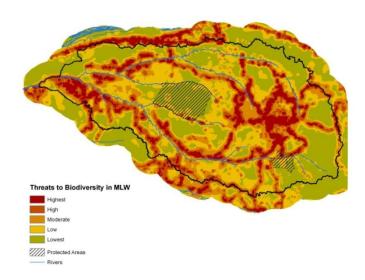


Distances from roads

Conservation Prioritization



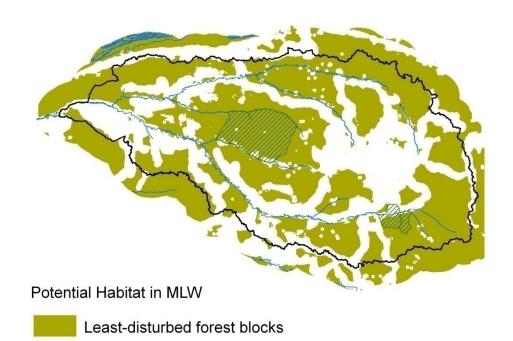
Conservation Prioritization





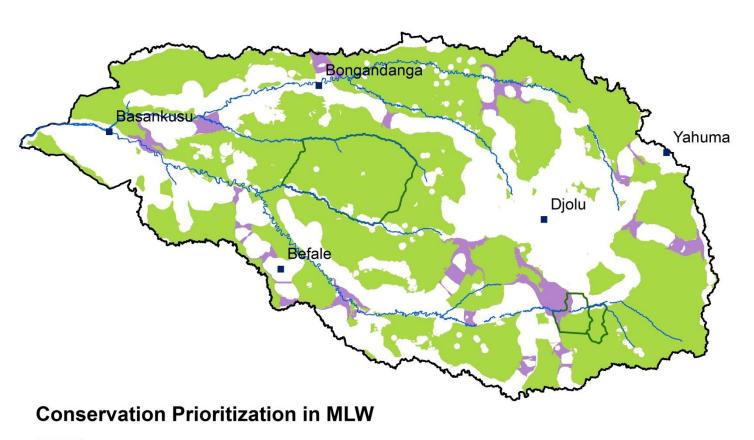
Least-disturbed areas have a higher chance of containing unaltered, indigenous ecosystems (Noss 1983)

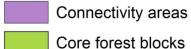
A threat-based approach to conservation prioritization



Protected Areas

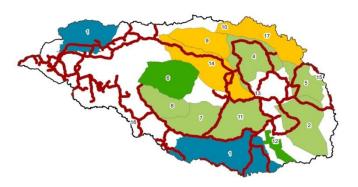
Conservation Prioritization





Corridor development

Development of a Land-Use Plan

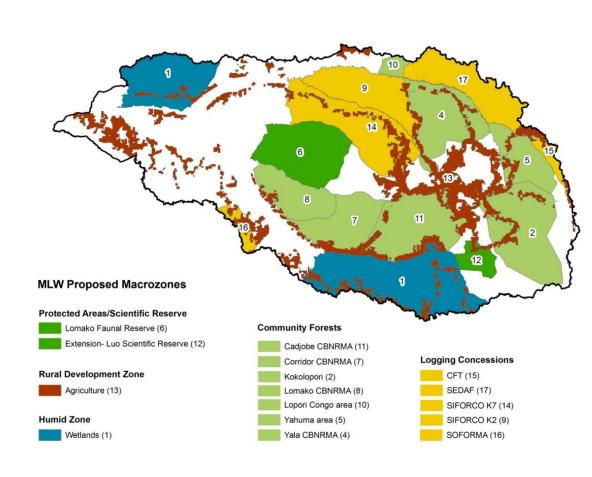


1-km buffer around existing roads



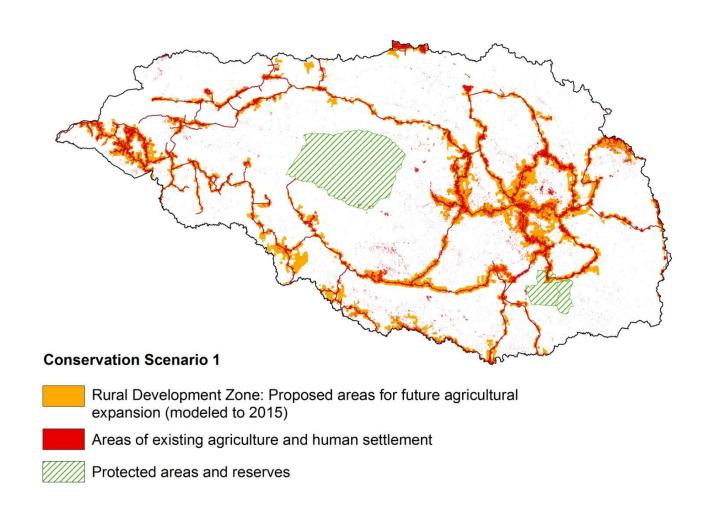
(Hypothetical, tailored according to spatial distribution of human populations and locations of conservation priority)

Improving a plan for sustainable agricultural expansion



Development of a Land-Use Plan

Suitability for future agricultural expansion in MLW, 2015



Development of a Land-Use Plan

Suitability for future agricultural expansion in MLW, 2015

