



Michael Runge is a research ecologist with the USGS Patuxent Wildlife Research Center where his primary responsibilities include; Research on problems in quantitative ecology related to adaptive management of wildlife resources. Duties include development and evaluation of principles and theories of adaptive resource management, development and implementation of large-scale management experiments, development of novel applications of adaptive management, technical support for ongoing applications of adaptive management, and development and implementation of other

quantitative methods for wildlife management. Areas of Expertise/Interest: adaptive resource management; harvest management models; population modeling; matrix models; ecology and management of ground squirrels, manatees, and beavers; large-scale management experiments; biometrics; mathematical ecology. Mike received his BA in Biology and Philosophy from John Hopkins University in 1989, his M.A.T. in Secondary Education and Biology from Spalding University in 1994 and his Ph.D in Natural Resources from Cornell University in 1999.

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Cathy Thomas is an economist with the USGS Policy Analysis and Science Assistance (PASA) branch of the Fort Collins Science Center in Fort Collins, Colorado. She specializes in the fields of Natural Resource Economics and Decision Analysis. Her work with the USGS includes analyzing the economic impacts of management alternatives on public lands for FWS management plans (CCPs and

LPPs) and for the Secretary of the Interior's annual report on the economic contribution of DOI lands and programs. She also has experience developing simulation and optimization models and decision tools to address complex land management and natural resource decisions, and to address the spread and control of invasive species. Beyond her modeling experience, her experience with decision analysis includes working as a teaching assistant for the Intro to SDM course at NCTC and serving as a facilitator for the Western Alaska LCC State of the Science Workshop on climate change.

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