

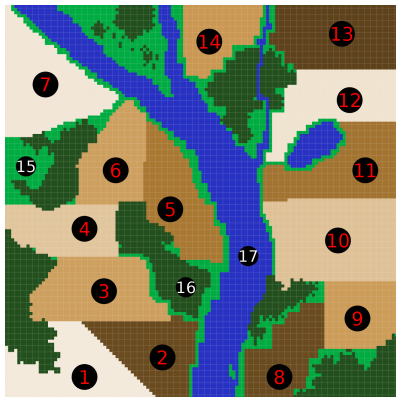
Research interests and plans

Brad Duthie

What my research is about

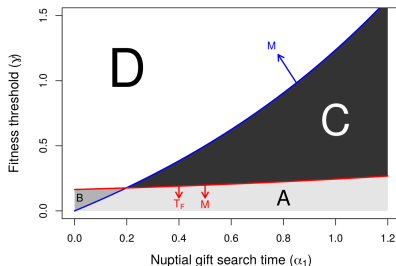
Social-ecological modelling

- ▶ Conservation conflict
- ▶ Pesticide resistance evolution



Ecology & evolutionary theory

- ▶ Inbreeding theory
- ▶ Nuptial gifts
- ▶ Parental investment
- ▶ Community stability
- ▶ Foundational theory

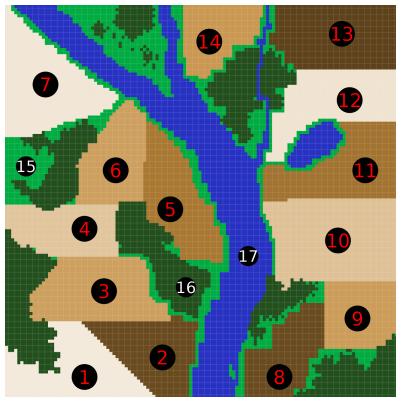


Methods primarily use mathematical and agent-based models

Research and grant plans

Social-ecological modelling

- ▶ Conservation conflict
- ▶ Pesticide resistance evolution



Funding attempts

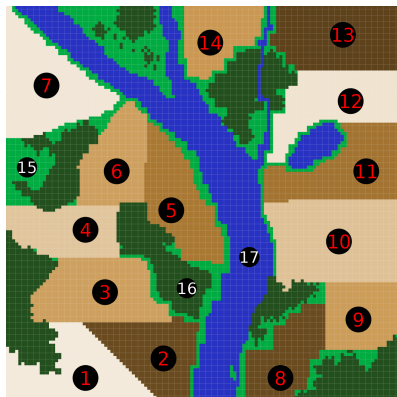
- ▶ Integrating game data into social-ecological models
- ▶ Modelling multiple species, zones, stakeholders
- ▶ Landscape-level approaches for mitigating pesticide resistance evolution
- ▶ Decision support tools for management
- ▶ Unification of modern coexistence theory and Price equation

Methods primarily use mathematical and agent-based models

Why should a psychologist care?

Social-ecological modelling

- ▶ Conservation conflict
- ▶ Pesticide resistance evolution



Potential links

- ▶ Theory on evolution of behaviour
- ▶ Games data to test psychological hypotheses
- ▶ Incorporating psychology into social-ecological modelling

Methods primarily use mathematical and agent-based models