

Risk Avoidance

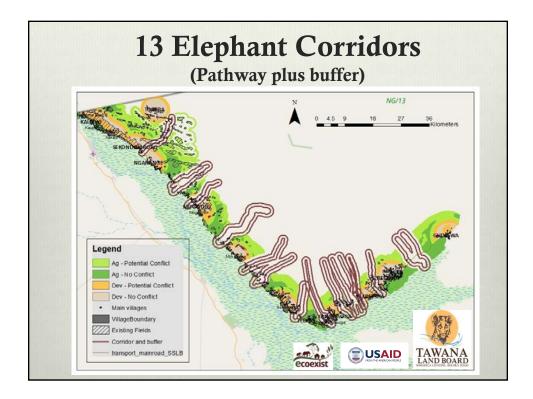
By mapping localized elephant pathways and monitoring fine-scale movement behaviour of an elephant population, rather than individual elephants, by means of detailed ground surveys we were able to record varying behavioural strategies adopted by the elephant population that contributed to risk avoidance, including

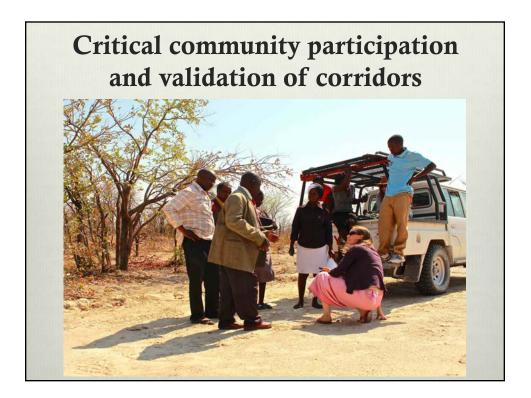
- avoiding pathways near human settlements, particularly those close to larger settlements,
- ✤ avoiding pathways close to large cultivated areas of land, and
- adopting a safety-in-numbers strategy when moving through large areas of cultivated land close to human settlements.

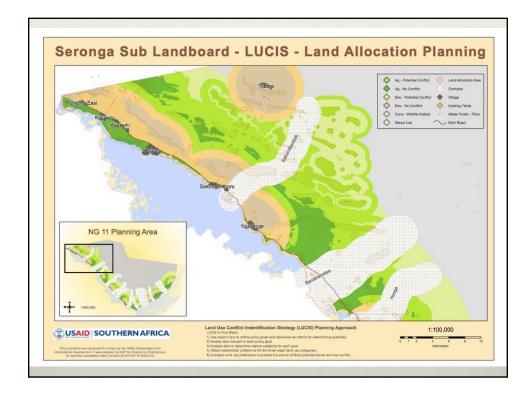
Elephants in the eastern Panhandle of the Okavango Delta appear, therefore, to adapt their behaviour in response to associated levels of risk connected with humans, which influences their preferred choice of movement pathways.

Incorporating Data into Land Use Planning tools

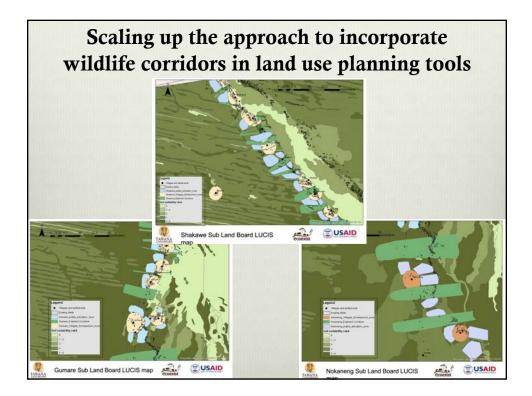
- Data from elephant crop-raiding monitoring and elephant pathway locations and use were incorporated into the Land Use Conflict Identification Strategy (LUCIS) model
- Collaborative initiative between Tawana Land Board, USAID SAREP & RWP and Ecoexist Trust

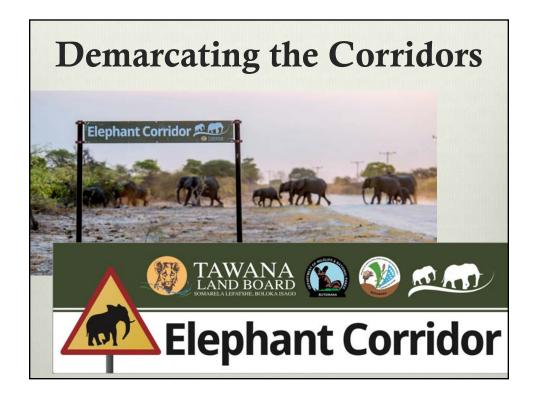
















Linking local scale movements with regional scale (micro to macro)

- These local scale movement corridors are a critical component of the larger regional scale movement corridors
- Protecting important movement corridors at a local level for the purpose of addressing a key driver of human-elephant conflict facilitates the function and success of these larger migratory corridors
- Community acceptance and multi stakeholder involvement is key for success of local scale movement corridors

