



Remediation Effort

- Sprinklers and spray jets installed in areas of spray wetlands in hopes of reviving ecosystem (after 9 month delay...)
- 499 Kihansi Spray Toads sent to the Bronx Zoo in the fall of 2000, 230 of these immediately sent to the Detroit Zoo
- Ongoing studies of vegetation, insect communities, amphibians in the gorge







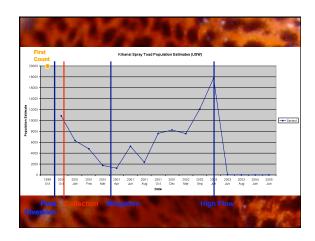












Captive Spray Toads

- 499 Kihansi Spray Toads sent to the Bronx Zoo in the fall of 2000, 230 of these immediately sent to the Detroit Zoo
- Approximately half of toads brought in from wild died in subsequent weeks due to parasitic lungworms
- With medication and husbandry changes the parasite was controlled
- Captive animals were breeding readily and population rebounded by late 2001



At the Toledo Zoo

- First 24 spray toads received Feb 2002
- Initial problems with nutrition resulted in losses and subsequent husbandry changes
 - R.O. \rightarrow Carbon filtered H₂O
 - Substrate changed: gravel → live moss
 - Changes in vitamin/mineral supplements
 - UV lighting: blacklight → halogen











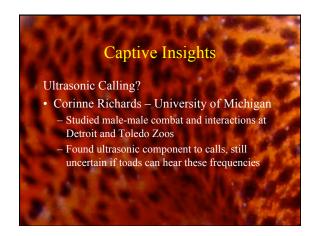






















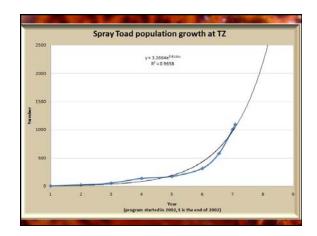


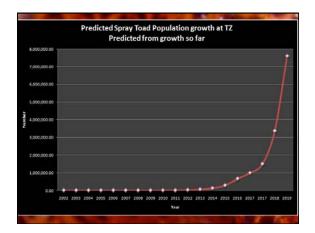




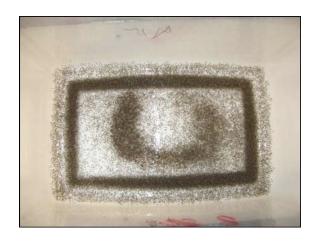




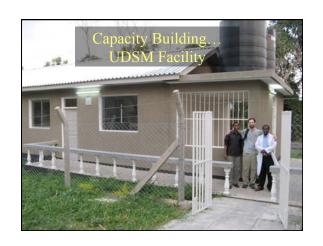


















Long-term Goals

- Controlling captive population size..
- Return animals for captive colony in Tanzania (UDSM)

 - In situ captive animals utilizing local resources
 Design facilities and train staff with knowledge of species gained in U.S. zoos
- Determine if Kihansi gorge is suitable habitat
- Prevent introduction of disease from captivity
 - Histopathology
 - Genetic evaluation of parasitesSentinal animal trials





















































