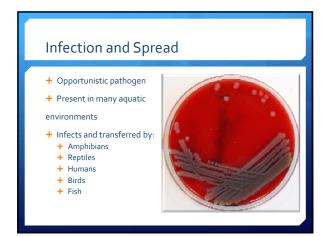


Documented Amphibian Decline + Nyman 1986 + Wood frog (Rana sylvatica) + Within 2 weeks: 5400 larvae extirpated + "A. hydrophila is much more widespread than published reports to date would indicate"



Control

- + Control of A. hydrophila is crucial
- + Red-leg syndrome + Antibiotics vs. wild
- + High mortality rate
- + Biggest problem for amphibians:
 - + Mortality rate
 - + Multiple modes of transmission
 - + Quick contact spread
 - + Affects fitness
 - + Affects all age classes



Video

- + Pore-forming toxins (PFT)
- + HeLa cells used
- + 50 ng/ml of the purified pore-forming toxin aerolysin

from A. hydrophila

- + Cell blebbing
- + http://www.youtube.com/watch/?v=1KGbesCc7cQ

References

- + Bradford, David F. "Mass mortality and extinction in a highelevation population of Rana muscosa." *Journal of Herpetology* (1991): 174-177.
- + Nyman, Stephen. "Mass mortality in larval Rana sylvatica attributable to the bacterium, Aeromonas hydrophila." Journal of Herpetology (1986): 196-201.



