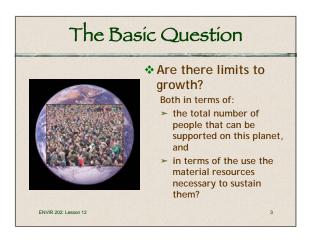
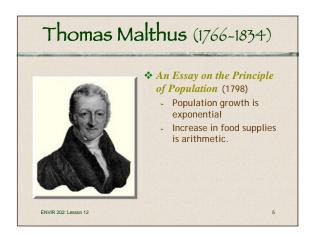
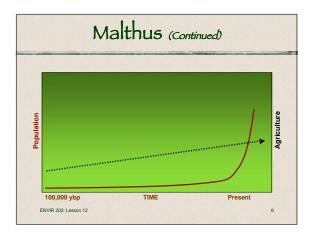
ENVIR 202: Lesson No. 12 Limits to Growth February 1, 2006 Chuck Treser University of Washington Department of Environmental & Occupational Health Sciences

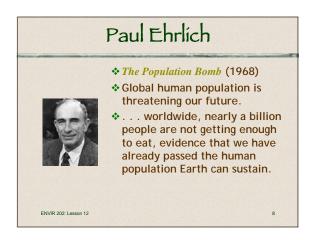


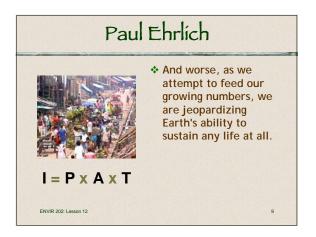
The Prophets of Doom The Prophets of Doom Thomas Malthus Principles of Population Paul Ehrlich The Population Bomb Meadows, et al. The Limits to Growth: A Report to the Club of Rome Garrett Hardin The Tragedy of the Commons James Lovelock Gaia



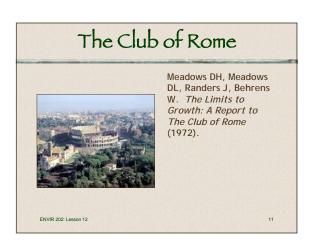


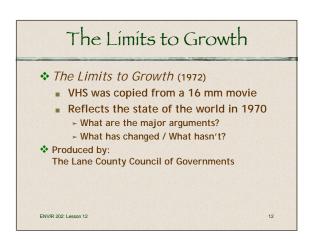






How many people? * Trends 1. Exponential population growth 2. Technological advances





Exploring the Limits

- * Reactions?
- ❖ What happened?
 - Were they right? partially right? totally wrong?
 - ➤ What has changed? & What hasn't?
 - ➤ To what evidence can you point to support their argument?
- Continue this discussion in your sections next week.

ENVIR 202: Lesson 12

13

Exploring the LTG (Continued) 1900 Meadows, 1992, p.133 World Oil: Duncan & Youngquist, 1998 natural resources population interpretation pollution pollution Interpretation Inter

* The Tragedy of the Commons (1968) * William Forster Lloyd's "Commons" Lloyd examined the fate of a common pasture shared among rational, utility-maximizing herdsmen. Hardin showed widespread implications not only for population control, but also for the over-exploitation and eventual ruin of any resource held in common. Carrying Capacity

