

# @PiscesTheGame

[www.actionethics.com](http://www.actionethics.com)



26 Mar, 2014

#PDS

Antigua, Guatemala

*Dr. Thomas P. Seager*

*Dr. Susan Spierre Clark*

*Valentina Prado Lopez*

# Garret Hardin (1968)



## The Tragedy of the Commons

The population problem has no technical solution;  
it requires a fundamental extension in morality.

Garrett Hardin

Adding together the component partial utilities, the rational herdsman concludes that the only sensible course for him to pursue is to add another animal to his herd. And another; and another. . . . But this is the conclusion reached by each and every rational herdsman sharing a commons. Therein is the tragedy. Each man is locked into a system that compels him to increase his herd without limit—in a world that is limited. Ruin is the destination toward which all men rush, each pursuing his own best interest in a society that believes in the freedom of the commons. Freedom in a commons brings ruin to all.

# Elinor Ostrom (1999)



SCIENCE'S COMPASS



• REVIEW

REVIEW: SUSTAINABILITY

## Revisiting the Commons: Local Lessons, Global Challenges

Elinor Ostrom,<sup>1</sup> Joanna Burger,<sup>2</sup> Christopher B. Field,<sup>3</sup> Richard B. Norgaard,<sup>4</sup> David Policansky<sup>5</sup>

In a seminal paper, Garrett Hardin argued in 1968 that users of a commons are caught in an inevitable process that leads to the destruction of the resources on which they depend. This article discusses new insights about such problems and the conditions most likely to favor sustainable uses of common-pool resources. Some of the most difficult challenges concern the management of large-scale resources that depend on international cooperation, such as fresh water in international basins or large marine ecosystems. Institutional diversity may be as important as biological diversity for our long-term survival.

large groups living within a single country, which involve nested institutions at varying scales. These resources continue to be important as sources of sustained biodiversity and human well-being. Some of the most difficult future problems, however, will involve resources that are difficult to manage at the scale of a village, a large watershed, or even a single country. Some of these resources—for example, fresh water in an international basin or large marine ecosystems, become

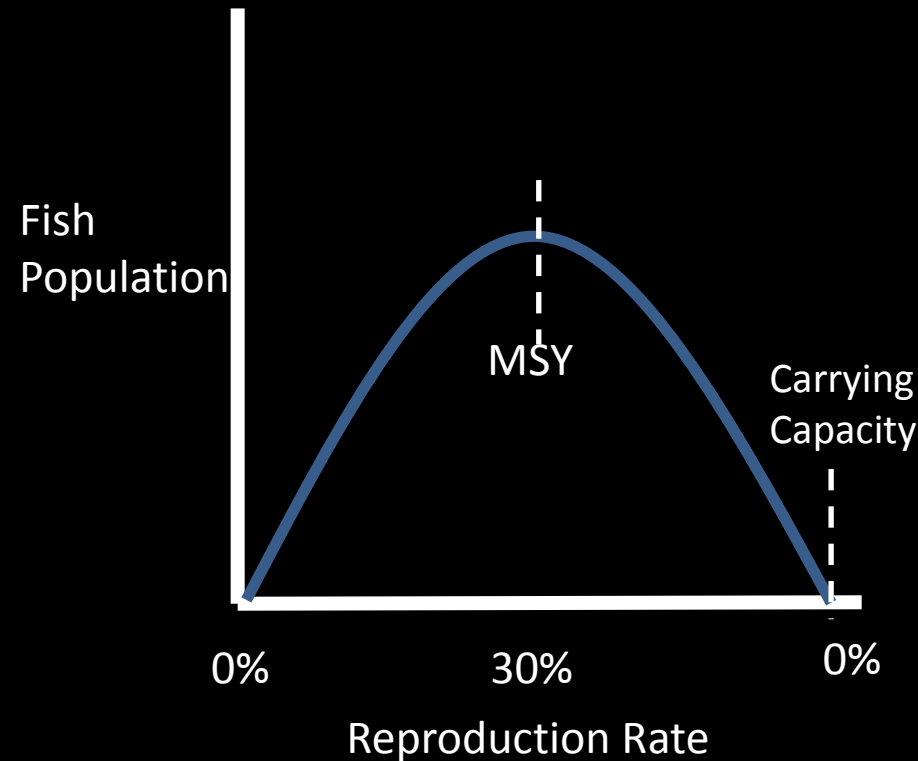


# Tragedy of Common-Pool Resources

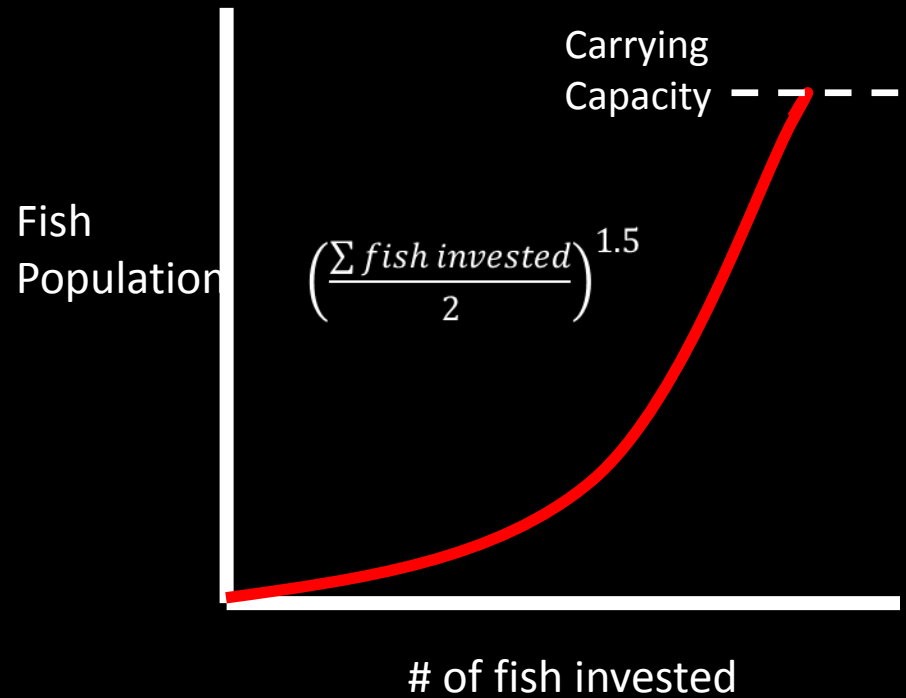


# Pisces Game

## Lake vs. Pond



**COMMON LAKE**



**PRIVATE POND**

1. Aries: March 21<sup>st</sup>-April 19<sup>th</sup>
2. Taurus: April 20<sup>th</sup>-May 20<sup>th</sup>
3. Gemini: May 21<sup>st</sup>-June 20<sup>th</sup>
4. Cancer: June 21<sup>st</sup>-July 22<sup>nd</sup>
5. Leo: July 23<sup>rd</sup>-August 22<sup>nd</sup>
6. Virgo: August 23<sup>th</sup>-Sept. 22<sup>nd</sup>
7. Libra: Sept. 23<sup>rd</sup>-October 22<sup>nd</sup>
8. Scorpio: Oct. 23<sup>rd</sup>-Nov. 21<sup>st</sup>
9. Sagittarius : Nov. 22<sup>nd</sup>- Dec. 21<sup>st</sup>
10. Capricorn: Dec. 22<sup>nd</sup>-January 19<sup>th</sup>
11. Aquarius: Jan. 20<sup>th</sup>-Feb. 18<sup>th</sup>
12. Pisces: Feb 19<sup>th</sup> – March 20<sup>th</sup>