

Examining the Monetary Risks and Rewards for the Anthropogenic Spread of Wild Hogs

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Removing and Returning Hogs

- Efforts underway to remove wild hogs
- Preventing reintroduction
- Why introduced



Summary of Results

- Risk too low
- Rewards too great
- No deterrent for the introduction or reintroduction of wild hogs



Risk vs. Reward

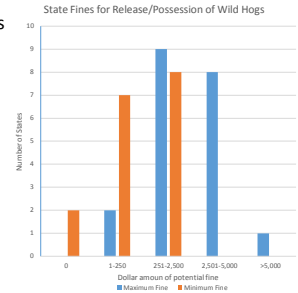
- Risk
 - Fines
 - Imprisonment
- Reward
 - Thrill of breaking minor law
 - New species to hunt
 - Cost savings for hunting

Assessing Risk

- Examined
 - Fines
 - Laws
 - Other penalties
- This presentation focuses on
 - Monetary risks
 - Monetary rewards
 - Multipliers for risks and rewards

Results of Risk Assessment

- Found penalties for 26 states
- Mean maximum fine \$2579
- Mean minimum fine \$497
- Mean jail time .66 days
- Highest fine - \$10,000
- Weakest penalty - \$50 and a non-criminal citation



Other factors associated with risk

- Risk of detection

Note: this is not a wild hog



Other factors associated with risk

- Risk of detection



Other factors associated with risk

- Risk of detection
- Can transport these all over the country
- Opportunity crime



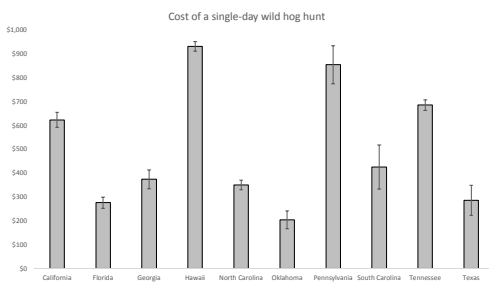
Other factors associated with risk

- Risk of detection
- Risk of successful prosecution

Either magnify or minimize fines and incarceration
Wildlife biologists can help influence this

Assessing Rewards

- Cost of 1 day wild hog hunting trip



Assessing Rewards

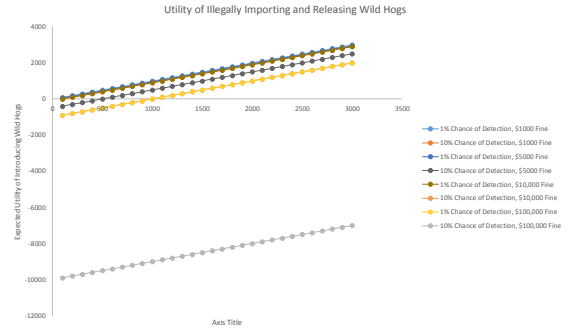
- Cost savings for hunting
 - Indiana to Florida
 - Flight \$500
 - Driving 2000 miles round-trip \$350
 - Hotel min 3 nights \$240
 - Hog hunt 1 night \$288
 - Total \$878-1028
- Other costs
 - Time off work or vacation time (opportunity costs)
 - Family currency
 - Cost of hunting license

Increasing Risk

- Optimize penalties
 - Fines
 - Loss of hunting privileges
- Increase likelihood of detection
- Better biological tools to assist prosecution
 - Consistent use of name
 - Distinguishing between wild and domestic swine
- Advertise penalties and successful prosecution



Detection, Penalties, and Reward




Increasing Risk

- Optimize penalties
 - Fines
 - Loss of hunting privileges
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Conclusions

- Current penalties
 - In many cases not enough to deter illegal action
 - Reward outweigh Risks
- Need research on optimal penalties
- Have to increase probability of detection
- Better methods for identifying wild hogs
- Better public awareness



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