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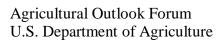
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Fish and Wildlife Markets Challenges and Emerging Opportunities

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#### Introduction

- How can markets enhance wildlife habitat?
- What is the size of the market for wildlife services?
- What is the demand for access to wildlife services?
- How much are people willing to pay for wildlife services?
- Why are there emerging markets for wildlife services?
- Is there a market place for wildlife services?
- How would a wildlife services market be developed?
- What are the barriers to wildlife services markets?
- What are some possible mechanisms for wildlife services markets?

## Markets: Can Increase Opportunity to Enhance Wildlife Habitat

#### By:

- Communicating incentives to landowners leading to increased wildlife conservation.
- Increasing revenues to landowners who practice wildlife conservation.

- Hunting, wildlife viewing, and fishing on private lands generate significant income:
  - <u>Hunting</u> in 2006:

\$749 million to lease lands for a season

\$397 million in access fees (day hunts, outfitters payments to landowners, etc.)

\$1.15 billion in payments

- Hunting, wildlife and fishing on private lands generate significant income:
  - Wildlife Viewing in 2006:

\$316 million to lease lands for a season

+ \$ 66 million in access fees (day trips, outfitters payments to landowners, etc.)

\$382 million in payments

- Hunting, wildlife and fishing on private lands generate significant income:
  - Sportfishing in 2006:

\$322 million to lease lands for a season

+ \$144 million in access fees (day trips, outfitters payments to landowners, etc.)

\$466 million in payments

Altogether, hunting, wildlife and fishing on private lands generate:

\$2 billion

in payments to landowners

- \$2 billion in payments to landowners to access their fish and wildlife is:
  - Greater than the value of the 2006 U.S. rice harvest
  - Two-thirds greater than the value of the 2006 U.S. tobacco crop
  - Twenty five percent greater in value than the U.S. strawberry crop

Source: 2006 National Survey of Fishing, Hunting and Wildlife-Associated Recreation, U.S. Fish and Wildlife Service; Southwick Associates, Inc.

## Demand for Access to Fish and Wildlife is Growing

- 2001 = \$1.6 billion (hunting, fishing & wildlife viewing)
- 2006 = \$2.0 billion
  25% growth in five years!

#### Demand is increasing:

- Even though hunter numbers decreased 4% since 2001, hunting leases grew 1.4% by 2006 (inflation is accounted for)

Source: 2006 National Survey of Fishing, Hunting and Wildlife-Associated Recreation, U.S. Fish and Wildlife Service; Southwick Associates, Inc.

## Amount Paid Per Participant in 2006...

- Per paying hunter = \$861 annually
- Per paying wildlife viewer = \$1,647
   annually (based on a small sample size)
- Per paying angler = \$1,408 annually

#### Income Per Acre of Land for...

- Hunting:
  - \$3.42 = national average per acre, all types of lands
- Wildlife Viewing:
  - \$26.62 = national average per acre. This amount reflects most leases are for higher quality sites and often leased for commercial reasons (outfitters and tours). Few lands will fetch this price.
- Sportfishing:
  - \$33.43 = national average per acre. This amount reflects most leases are for higher quality sites and often leased for commercial reasons (outfitters and lodges). Few areas will fetch this price.



### **Markets Reduce Costs**

- For both buyers and sellers
- They save time by bringing like buyers and sellers together
- They provide information on
  - Prices
  - Product
  - Quality
- These reduced costs increase likelihood of a transaction





We currently lack a market place where wildlife services can be identified, displayed, and examined



- --Hunting, fishing, observing wildlife
- --A day, a season, other
- --Size of the property
- --Species of interest
- -- Access versus exclusive use
- --Individuals or group





### CRP Survey Finds Growth Potential for a Wildlife Services Market

- Income from fish and wildlife:
  - varies depending:
    - on proximity to populations centers where hunters lack access
    - Amount of acres offered
    - · Quality of fish and wildlife opportunities available
    - · Amenities, services and facilities offered
    - How well known your site is among potential customers
  - helps offset crop damages from wildlife
  - is growing...
- A Wildlife Services Market could expand transactions for access to fish and wildlife-related recreation

### On CRP Lands

- Fish and wildlife generate income opportunities for CRP contract holders:
  - 57% of CRP enrollees said their lands were used for recreation
    - (89% hunting, 44% wildlife viewing, 23% hiking/walking, and 7% for fishing)
  - Only 10% of these charged for use of their lands,
     receiving \$21.3 million (<\$10 per acre)</li>
  - As demand increases and land becomes more scarce, the percentage of CRP contract holders who charge for access is expected to increase.

Source: Recreational Use & Economics of Conservation Reserve (CRP) Acreage: A National Survey of Landowners, FSA, 2007. Prepared by Southwick Associates and DJ Case & Associates.



- Two primary factors dictate growth:
  - Landowners: will they offer their lands?
  - Recreationists: do they know where to go to find lands?

### Landowners

- Not all landowners will open their land to paid access:
  - Only 5% of all CRP contract holders charge for use of their lands
- Of CRP contract holders allowing recreational use of their lands and *not* charging for access (51% of contract holders), the most common explanation for not receiving a fee was:
  - "I do not believe fees should be charged for hunting or other recreation" (40%)
  - "I do not have sufficient amount of land to lease for hunting" (26%), and

"I did not have the opportunity" (19%) were also common responses.
 Recreational Use & Economics of Conservation Reserve (CRP) Acreage

Source: Recreational Use & Economics of Conservation Reserve (CRP) Acreage: A National Survey of Landowners, FSA, 2007. Prepared by Southwick Associates and DJ Case & Associates.

#### Landowners

- Reasons preventing many landowners (not just CRP contract holders) from opening their lands to paid access include:
  - Loss of privacy
  - Accident liability, and
  - Conflicts with personal use of land
- Of these reasons, liability is one issue that can be addressed to help landowners boost income opportunities

Source: Hussain, Anwar; Munn, Ian A.; Grado, Stephen C.; West, Ben C.; Daryl Jones, W.; Jones, Jeanne. Hedonic Analysis of Hunting Lease Revenue and Landowner Willingness to Provide Fee-Access Hunting. Forest Science, Volume 53, Number 4, August 2007, pp. 493-506(14).

### Landowners

- Open Fields legislation
  - Would provide \$20 million annually to landowners if they allow public access for hunting and fishing
  - Would adopt state mechanisms for landowner liability protection.

### Recreationists

- A major problem: Lack of access to landowners who are willing to provide access
  - Most recreationists seeking access are from suburban and urban areas were land is scarce
  - Most are not comfortable knocking on strangers' doors
  - There is a demand for a venue for landowners and customers to meet

# The Internet as a Wildlife Services Market Place

- An Internet Site for Wildlife Services should include:
- Coordination with local chamber of commerce, Farm Bureaus
   or local businesses such as motels
- Promotion to landowners and recreationists (media and advertising support)
- Evaluation of the quality of lands being offered, and screening of customers to eliminate dangerous or untrustworthy clients

### Summary

- Demand for wildlife services exists
- The interest and ability of landowners to provide wildlife services may be increasing
- Barriers to wildlife services markets include:
  - Differing beliefs about public access to wildlife
  - Bringing buyers and sellers together
  - Landowner liability concerns
  - Ensuring quality recreational experiences
- The internet may provide a more efficient market mechanism for wildlife services