Workshop Wrap-Up

Comparison of Canadian workshops...

... you all think alike, right?
What is your primary employment affiliation?

**Edmonton**
- Federal agency: 36%
- Private business: 54%
- State/Provincial agency: 0%
- University: 0%

**Ottawa**
- Federal agency: 40%
- Private business: 44%
- State/Provincial agency: 0%
- University: 16%
Which **ONE** best describes the geography for which you have waterfowl **habitat** responsibilities?

**Edmonton**

- Atlantic Flyway: 0%
- Mississippi Flyway: 0%
- Central Flyway: 11%
- Pacific Flyway: 14%
- National/multi: 18%
- Don't have hab: 57%

**Ottawa**

- Atlantic Flyway: 40%
- Mississippi Flyway: 4%
- Central Flyway: 0%
- Pacific Flyway: 0%
- National/multi: 0%
- Don't have hab: 20%
Which ONE best describes the geography for which you have waterfowl population responsibilities?

**Edmonton**
- Atlantic Flyway: 0%
- Mississippi Flyway: 0%
- Central Flyway: 7%
- Pacific Flyway: 7%
- National/multi-: 29%
- Don't have pop...: 57%

**Ottawa**
- Atlantic Flyway: 32%
- Mississippi Flyway: 0%
- Central Flyway: 0%
- Pacific Flyway: 0%
- National/multi-: 36%
- Don't have pop...: 32%
How long have you been active in waterfowl management?

Edmonton

<table>
<thead>
<tr>
<th>Duration</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-1 year</td>
<td>10%</td>
</tr>
<tr>
<td>2-5 years</td>
<td>7%</td>
</tr>
<tr>
<td>6-10 years</td>
<td>14%</td>
</tr>
<tr>
<td>11-20 years</td>
<td>31%</td>
</tr>
<tr>
<td>21-30 years</td>
<td>28%</td>
</tr>
<tr>
<td>&gt; 30 years</td>
<td>10%</td>
</tr>
</tbody>
</table>

Ottawa

<table>
<thead>
<tr>
<th>Duration</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-1 year</td>
<td>4%</td>
</tr>
<tr>
<td>2-5 years</td>
<td>12%</td>
</tr>
<tr>
<td>6-10 years</td>
<td>0%</td>
</tr>
<tr>
<td>11-20 years</td>
<td>24%</td>
</tr>
<tr>
<td>21-30 years</td>
<td>20%</td>
</tr>
<tr>
<td>&gt; 30 years</td>
<td>40%</td>
</tr>
</tbody>
</table>
Which *one* hat do you most frequently wear when it comes to waterfowl management?

Edmonton

<table>
<thead>
<tr>
<th>Role</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agency director</td>
<td>18%</td>
</tr>
<tr>
<td>Program coordinator</td>
<td>25%</td>
</tr>
<tr>
<td>Biologist/Scientist</td>
<td>57%</td>
</tr>
<tr>
<td>Researcher/academic</td>
<td>0%</td>
</tr>
<tr>
<td>Regulations coordinator</td>
<td>0%</td>
</tr>
</tbody>
</table>

Ottawa

<table>
<thead>
<tr>
<th>Role</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agency director</td>
<td>20%</td>
</tr>
<tr>
<td>Program coordinator</td>
<td>20%</td>
</tr>
<tr>
<td>Biologist/Scientist</td>
<td>44%</td>
</tr>
<tr>
<td>Researcher/academic</td>
<td>12%</td>
</tr>
<tr>
<td>Regulations coordinator</td>
<td>4%</td>
</tr>
</tbody>
</table>
I spend most of my time on…

Edmonton

- Managing water: 50%
- Managing habit: 14%
- About equal: 0%
- None of the above: 36%

Ottawa

- Managing water: 36%
- Managing habit: 16%
- About equal: 8%
- None of the above: 40%
How important is waterfowl hunting to you?

Edmonton

- It's my most important...
- It's one of my most important...
- It's no more important...
- It's one of my least important...
- I don't hunt waterfowl

Ottawa

- It's my most important...
- It's one of my most important...
- It's no more important...
- It's one of my least important...
- I don't hunt waterfowl

18% 25% 21% 32%
12% 12% 8% 28%
Turning Point Slides
1. Promote a conservation ethic in the general public

<table>
<thead>
<tr>
<th>Location</th>
<th>Not a relevant waterfowl</th>
<th>A fundamental waterbird</th>
<th>A means waterfowl</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edmonton</td>
<td>14%</td>
<td>4%</td>
<td>82%</td>
</tr>
<tr>
<td>Ottawa</td>
<td>8%</td>
<td>32%</td>
<td>60%</td>
</tr>
</tbody>
</table>
2. Maximize waterfowl harvest

Edmonton

- Not a relevant waterfowl: 46%
- A fundamental waterfowl: 7%
- A means waterfowl: 46%

Ottawa

- Not a relevant waterfowl: 48%
- A fundamental waterfowl: 12%
- A means waterfowl: 40%
3. Maximize hunter satisfaction

**Edmonton**
- Not a relevant waterfowl: 21%
- A fundamental waterfowl: 7%
- A means waterfowl: 71%

**Ottawa**
- Not a relevant waterfowl: 12%
- A fundamental waterfowl: 8%
- A means waterfowl: 80%
4. Promote non-consumptive uses of waterfowl

Edmonton

- Not a relevant waterfowl: 18%
- A fundamental waterfowl: 4%
- A means waterfowl: 79%

Ottawa

- Not a relevant waterfowl: 8%
- A fundamental waterfowl: 8%
- A means waterfowl: 84%
5. Maintain landscapes capable of sustaining waterfowl populations in perpetuity
6. Increase the understanding of ecological mechanisms driving changes in waterfowl abundance and waterfowl landscapes

Edmonton
- Not a relevant waterfowl: 4%
- A fundamental waterfowl: 4%
- A means waterfowl: 93%

Ottawa
- Not a relevant waterfowl: 0%
- A fundamental waterfowl: 12%
- A means waterfowl: 88%
7. Expand the sources and amount of funding for waterfowl conservation activities

Edmonton

- Not a relevant waterfowl activity: 0%
- A fundamental waterfowl activity: 7%

Ottawa

- Not a relevant waterfowl activity: 4%
- A means waterfowl activity: 8%

The chart shows a higher percentage of respondents in Ottawa identifying a fundamental waterfowl activity compared to respondents in Edmonton.
8. Perpetuate the tradition of waterfowling

Edmonton

- Not a relevant waterfowl: 11%
- A fundamental waterfowl: 25%
- A means waterfowl: 64%

Ottawa

- Not a relevant waterfowl: 0%
- A fundamental waterfowl: 48%
- A means waterfowl: 52%
9. Minimize harvest of under-abundant waterfowl species

Edmonton

- Not a relevant waterfowl species: 29%
- A fundamental waterfowl species: 7%
- A means waterfowl species: 64%

Ottawa

- Not a relevant waterfowl species: 4%
- A fundamental waterfowl species: 4%
- A means waterfowl species: 92%
10. Minimize loss and degradation of wetlands and associated uplands

Edmonton
- Not a relevant waterfowl: 0%
- A fundamental waterfowl: 75%
- A means waterfowl: 25%

Ottawa
- Not a relevant waterfowl: 0%
- A fundamental waterfowl: 68%
- A means waterfowl: 32%
11. Provide more public hunting opportunities

Edmonton

- Not a relevant waterfowl: 21%
- A fundamental waterfowl: 0%
- A means waterfowl: 79%

Ottawa

- Not a relevant waterfowl: 36%
- A fundamental waterfowl: 0%
- A means waterfowl: 64%
12. Minimize the detrimental effects of over-abundant populations (e.g. depredation, habitat destruction)

Edmonton

- Not a relevant waterfowl: 4%
- A fundamental waterfowl: 7%
- A means waterfowl: 89%

Ottawa

- Not a relevant waterfowl: 4%
- A fundamental waterfowl: 4%
- A means waterfowl: 92%
13. Maintain/establish regulations that are simple and will lead to high compliance rates among hunters

Edmonton

- Not a relevant waterfowl: 21%
- A fundamental waterfowl: 4%
- A means waterfowl: 75%

Ottawa

- Not a relevant waterfowl: 8%
- A fundamental waterfowl: 0%
- A means waterfowl: 92%
14. Maintain healthy waterfowl populations as part of the North American fauna

![Bar graph showing percentages of people's opinions in Edmonton and Ottawa.]

- Edmonton: 86% A fundamental water..., 14% A means waterfowl...
- Ottawa: 96% A fundamental water..., 4% A means waterfowl...
15. Maximize ecological goods and services derived from wetlands and associated uplands managed for waterfowl

Edmonton
- Not a relevant waterfowl: 7%
- A fundamental waterfowl: 14%
- A means waterfowl: 79%

Ottawa
- Not a relevant waterfowl: 12%
- A fundamental waterfowl: 40%
- A means waterfowl: 48%
16. Increase public support for waterfowl conservation

Edmonton

- Not a relevant waterfowl: 0%
- A fundamental waterfowl: 29%
- A means waterfowl: 71%

Ottawa

- Not a relevant waterfowl: 4%
- A fundamental waterfowl: 12%
- A means waterfowl: 84%
17. Increase waterfowl hunter participation

Edmonton

- Not a relevant waterfowl: 0%
- A fundamental waterfowl: 4%
- A means waterfowl: 96%

Ottawa

- Not a relevant waterfowl: 8%
- A fundamental waterfowl: 8%
- A means waterfowl: 84%
18. Ensure that no species of waterfowl falls below population levels necessary for long-term viability.
19. Increase and improve duck breeding habitat

<table>
<thead>
<tr>
<th></th>
<th>Edmonton</th>
<th>Ottawa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not a relevant waterfowl</td>
<td>4%</td>
<td>0%</td>
</tr>
<tr>
<td>A fundamental water source</td>
<td>4%</td>
<td>32%</td>
</tr>
<tr>
<td>A means waterfowl</td>
<td>93%</td>
<td>68%</td>
</tr>
</tbody>
</table>
20. Ensure cooperation among jurisdictions (state, flyway, partners, etc.)

Edmonton

- Not a relevant waterfowl: 4%
- A fundamental water...: 4%
- A means waterfowl...: 93%

Ottawa

- Not a relevant waterfowl: 4%
- A fundamental water...: 4%
- A means waterfowl...: 16%
21. Increase and improve duck wintering habitat

**Edmonton**
- Not a relevant waterfowl: 4%
- A fundamental waterfowl: 93%
- A means waterfowl: 4%

**Ottawa**
- Not a relevant waterfowl: 0%
- A fundamental waterfowl: 80%
- A means waterfowl: 20%
22. Maximize the efficiency and effectiveness of the infrastructure and funding for waterfowl conservation

Edmonton: 86% - "A fundamental water..." 4% - "A means waterfowl..."

Ottawa: 88% - "A fundamental water..." 4% - "A means waterfowl..."
23. Provide maximum hunting opportunity
24. Maintain the social license to hunt

Edmonton

<table>
<thead>
<tr>
<th>Not a relevant waterfowl</th>
<th>A fundamental waterfowl</th>
</tr>
</thead>
<tbody>
<tr>
<td>18%</td>
<td>18%</td>
</tr>
<tr>
<td>64%</td>
<td>64%</td>
</tr>
</tbody>
</table>

Ottawa

<table>
<thead>
<tr>
<th>Not a relevant waterfowl</th>
<th>A fundamental waterfowl</th>
</tr>
</thead>
<tbody>
<tr>
<td>20%</td>
<td>16%</td>
</tr>
<tr>
<td>64%</td>
<td>64%</td>
</tr>
</tbody>
</table>
25. Increase duck recruitment

Not a relevant waterfowl...  A fundamental water...  A means waterfowl...

Edmonton

4%  7%  89%

Ottawa

4%  16%  80%
26. Increase and improve duck migration habitat

Edmonton
- Not a relevant waterfowl: 4%
- A fundamental waterfowl: 4%
- A means waterfowl: 93%

Ottawa
- Not a relevant waterfowl: 0%
- A fundamental waterfowl: 20%
- A means waterfowl: 80%
27. Reduce mortality from disease and contaminants

Edmonton
- Not a relevant waterfowl: 7%
- A fundamental waterfowl: 0%
- A means waterfowl: 93%

Ottawa
- Not a relevant waterfowl: 8%
- A fundamental waterfowl: 8%
- A means waterfowl: 84%
28. Maintain a broad fall and winter distribution of waterfowl

Edmonton
- Not a relevant waterfowl: 18%
- A fundamental water: 4%
- A means waterfowl: 79%

Ottawa
- Not a relevant waterfowl: 16%
- A fundamental water: 20%
- A means waterfowl: 64%
29. Establish the infrastructure needed to ensure coherence in waterfowl management.
30. Formalize the institutions needed to incorporate human dimensions into waterfowl management decisions
31. Increase hunter education and communications efforts

Edmonton

- Not a relevant waterfowl: 18%
- A fundamental waterfowl: 0%
- A means waterfowl: 82%

Ottawa

- Not a relevant waterfowl: 12%
- A fundamental waterfowl: 0%
- A means waterfowl: 88%
Edmonton additions
32. Increase the understanding of the role of human dimensions in waterfowl management decisions.

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
33. Increase stakeholder communications effort.

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
34. Increase restoration of wetlands and associated upland habitats.

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
35. Collaborate/integrate the NAWMP with other environmental initiatives.

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
36. Ensure the NAWMP is adaptable to long term changes in environmental conditions e.g. climate change.

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
37. Minimize impediments to new hunter recruitment.

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
38. Maximize harvest of overabundant species while maintaining public support.

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
39. Effective management/control of non-native invasive waterfowl and plant species

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
40. Increased engagement with private land owners

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
41. Maximize conservation of biodiversity while managing wetlands and associated uplands for waterfowl

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
42. Maintain and establish land managers’ support for conserving wetlands and associated uplands.

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
43. Expand partnerships that fund and deliver waterfowl conservation initiatives.

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
44. Better understanding of the socioeconomic factors (such as land use changes) influencing changes in waterfowl habitat

1. Not a relevant waterfowl management objective
   - 11%

2. A fundamental waterfowl management objective
   - 89%

3. A means waterfowl management objective
Ottawa additions
32. Deal with issues of public concern about wildfowl diseases that could be transmitted to humans and livestock (human health)
33. Maximize the benefits to biodiversity derived from wetlands and associated uplands managed for waterfowl

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
34. Develop and implement monitoring and evaluation programs to measure progress against NAWMP objectives (continental, local)

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
35. Ensure monitoring programs are sufficient to detect large scale changes in distributions of populations that may arise through effects of climate change.

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
36. To provide waterfowl populations adequate to meet the requirements of waterfowlers, aboriginal peoples and other users.

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
37. Working with landowners and fostering stewardship of habitats essential to waterfowl

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
38. Provide more hunting opportunities on public land

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective

Edmonton

Ottawa

Not a relevant waterfowl management objective: 68%
A fundamental waterfowl management objective: 28%
A means waterfowl management objective: 4%
39. Maintain healthy waterfowl populations, species richness, abundance, and distribution as part of NA fauna

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
40. Increase political and social support for waterfowl conservation

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
41. Optimize/maximize harvest of overabundant species

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
42. Incorporate a client focus culture for the waterfowl management services provided by government

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
43. Define a role for innovation at all aspects of adaptive management and conservation cycle

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
44. Maintain a broad breeding distribution of waterfowl

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
45. A waterfowling community actively engaged in conservation

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
46. Regulations that promote retention and recruitment of waterfowl hunters

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
47. Sound science underpins habitat and population objectives and human dimensions

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
48. Use science to inform conservation policy and priorities

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
49. Maintain populations to support a sustainable harvest

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
50. Reverse historic losses of wetland and associated upland habitats

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
51. Maximize production of ecological goods and services by putting/maintaining wetlands on the landscape

1. Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective
Workshop Wrap-Up

Summary of workshop results to date...
<table>
<thead>
<tr>
<th>Fundamental Objectives</th>
<th>Miss. Flyway</th>
<th>Cent. Flyway</th>
<th>Portland (AHM Group)</th>
<th>Memphis (NAWMP NSST)</th>
<th>Edmonton Canada</th>
<th>Ottawa Canada</th>
<th>NAWMP PC</th>
<th>DU Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintain healthy waterfowl populations</td>
<td>✓ ✓</td>
<td>✓ ✓</td>
<td>✓ ✓</td>
<td>✓ ✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓ ✓</td>
</tr>
<tr>
<td>Perpetuate the waterfowling tradition</td>
<td>✓ ✓</td>
<td>✓ ✓</td>
<td>✓ ✓</td>
<td>✓ ✓</td>
<td>✓</td>
<td>✓</td>
<td>✓ ✓</td>
<td>✓ ✓</td>
</tr>
<tr>
<td>Perpetuate waterfowling and related non-consumptive uses</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓ ✓</td>
</tr>
<tr>
<td>Increase waterfowl hunter participation</td>
<td>✓ ✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓ ✓</td>
</tr>
<tr>
<td>Maximize hunt quality</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓ ✓</td>
</tr>
<tr>
<td>Maximize harvest opportunity</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓ ✓</td>
</tr>
<tr>
<td>Ensure waterfowl population viability</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Promote non-consumptive uses</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fundamental Objectives</td>
<td>Miss. Flyway</td>
<td>Cent. Flyway</td>
<td>Portland (AHM Group)</td>
<td>Memphis (NAWMP NSST)</td>
<td>Edmonton Canada</td>
<td>Ottawa Canada</td>
<td>NAWMP PC</td>
<td>DU Inc.</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------------</td>
<td>--------------</td>
<td>--------------</td>
<td>---------------------</td>
<td>---------------------</td>
<td>----------------</td>
<td>--------------</td>
<td>----------</td>
<td>---------</td>
</tr>
<tr>
<td>Promote conservation ethics in the public</td>
<td>√√</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increase Public Support for Waterfowl Hunting and Habitat Conservation</td>
<td></td>
<td>√</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maintain/increase/maximize EGS of waterfowl habitat</td>
<td>√√</td>
<td>√√</td>
<td>√√</td>
<td>√</td>
<td></td>
<td></td>
<td>√</td>
<td></td>
</tr>
<tr>
<td>Max. cons. of biodiversity while managing wetlands and associated uplands for waterfowl</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maintain landscapes capable of sustaining healthy waterfowl populations</td>
<td>√√</td>
<td>√√</td>
<td>√</td>
<td></td>
<td></td>
<td></td>
<td>√</td>
<td>√</td>
</tr>
</tbody>
</table>
Interesting Differences

Waterfowl hunting:

- Perpetuating the tradition of waterfowl hunting… not highly ranked as a fundamental objective in Edmonton

Perpetuate the tradition of waterfowling
Waterfowl hunting:

…but higher ranking here in Ottawa and even higher ranked in the U.S.

Perpetuate the tradition of waterfowling
Sales of Migratory Bird Hunting Stamps

United States

Canada

Stamp Sales

Year

United States

Canada

Ecological goods and services: not considered a fundamental objective by most participants in Edmonton…

Maximize ecological goods and services derived from wetlands and associated uplands managed for waterfowl

Interesting Differences

- Not a relevant waterfowl: 7%
- A fundamental waterfowl: 14%
- A means waterfowl: 79%
Interesting Differences

…but stood out more here in Ottawa

Maximize ecological goods and services derived from wetlands and associated uplands managed for waterfowl.
### Ecological Goods and Services (EGS)

#### Ecological “Goods”
- Wildlife
- Food
- Fresh water
- Energy
- Minerals
- Fiber
- Timber

#### Ecological “Services”
- Recreational opportunities (hunting, fishing, birdwatching)
- Purification of water and air
- Carbon sequestration
- **Ecosystem integrity (biodiversity)**
- Mitigation of floods and drought
- Groundwater recharge
- Pollination of plants
- Regulation of soil fertility
- Control of ag pests
- Waste decomposition
Some general observations

Where do “people” fit?

✓ “People” are the fundamental objective.
✓ “People” are one of 2-3 co-equal fundamental objectives.
✓ “People” are a means to achieving one or more fundamental objectives.
Some general observations

Increasingly, participants are advocating that fundamental objectives are inextricably linked…

- Populations
- Landscapes
- Users (Support)

March 2007
Workshop Wrap-Up

Coherence... or lack thereof
Consultation process I

Consider:
- Uncertainty, linked decisions

Problem

Mandates: Laws, Policies, preferences

Objectives

Consider:
- Uncertainty, linked decisions

Alternatives

Trigger
Consultation process II

Problems Addressed?

Decide & Take Action

Tradeoffs & Optimization

Analysis Toolkit (e.g. SDM)

Values: Preference scales, objective weights & risk attitudes

Consequences

Data

Modeling Toolkit