



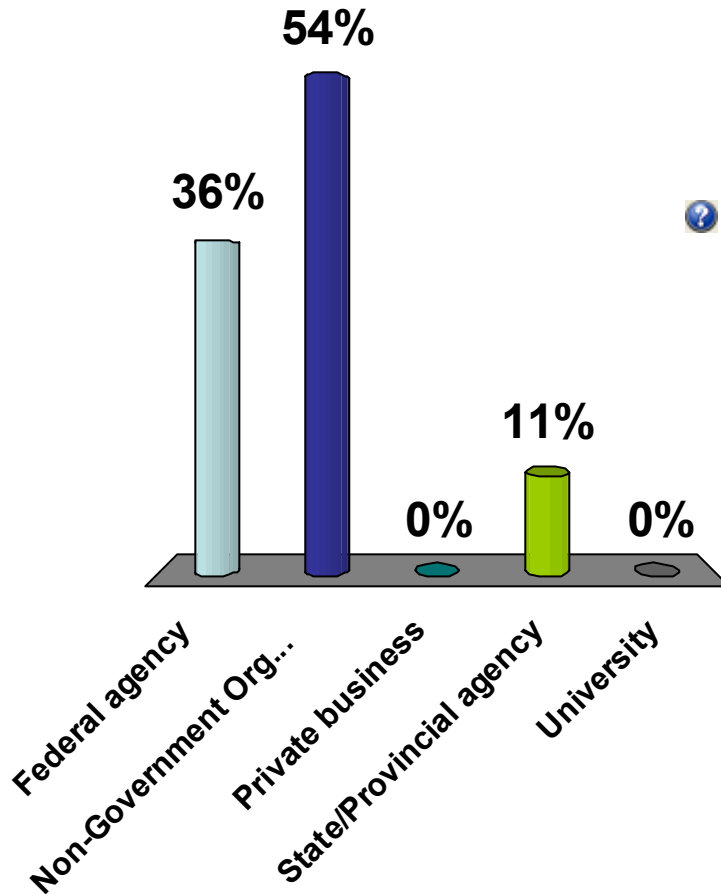
Workshop Wrap-Up

**Comparison of Canadian
workshops...**

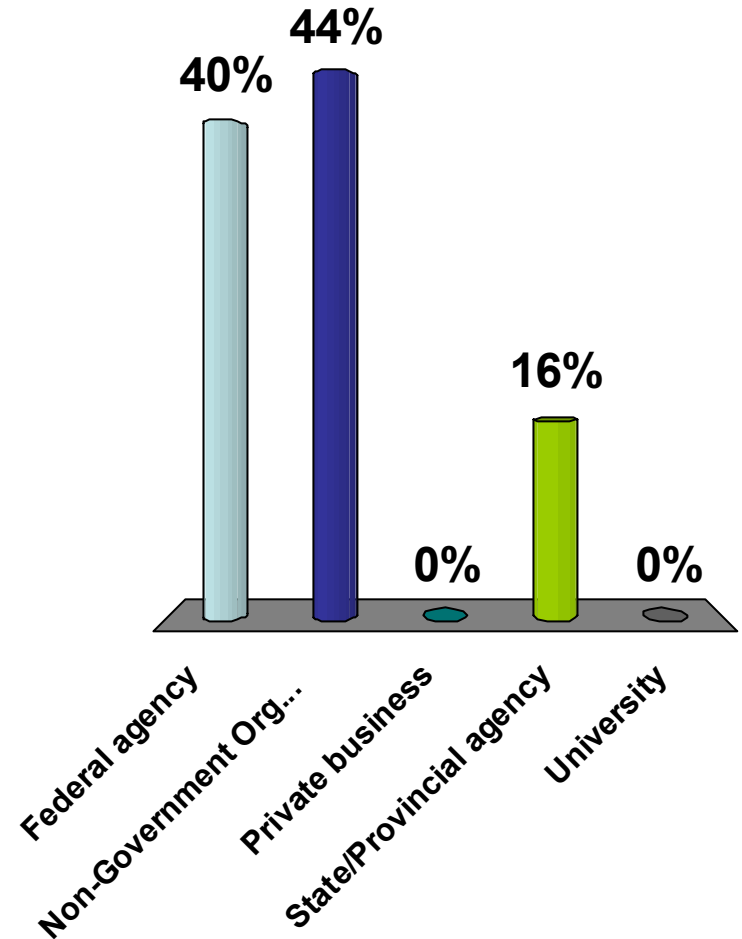
**... you all think alike,
right?**

What is your primary employment affiliation?

Edmonton

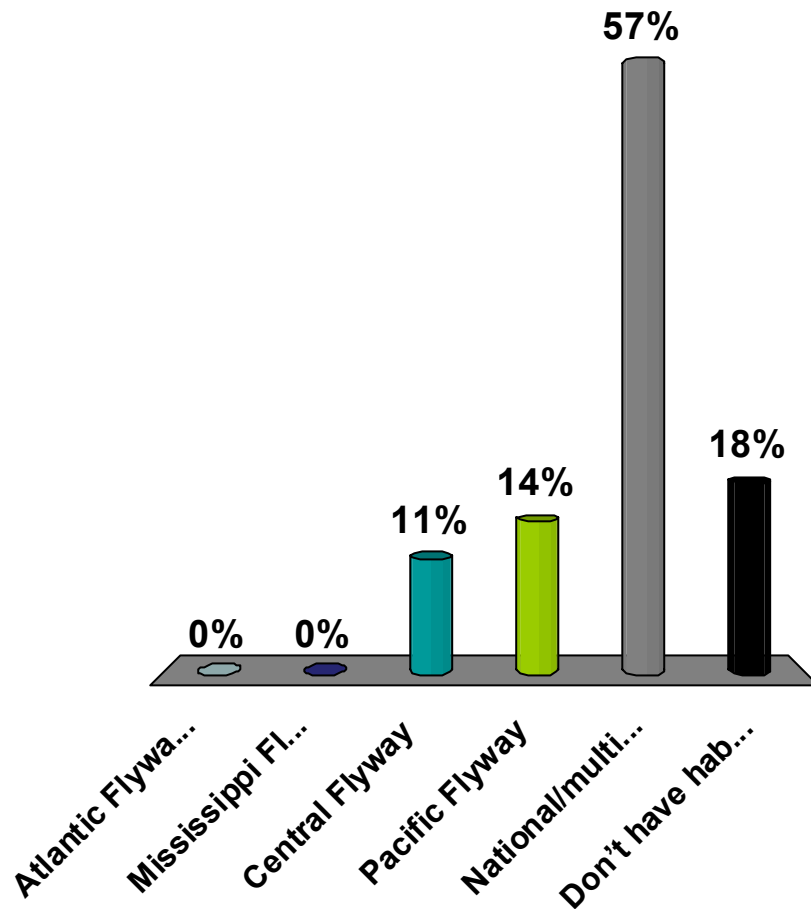


Ottawa

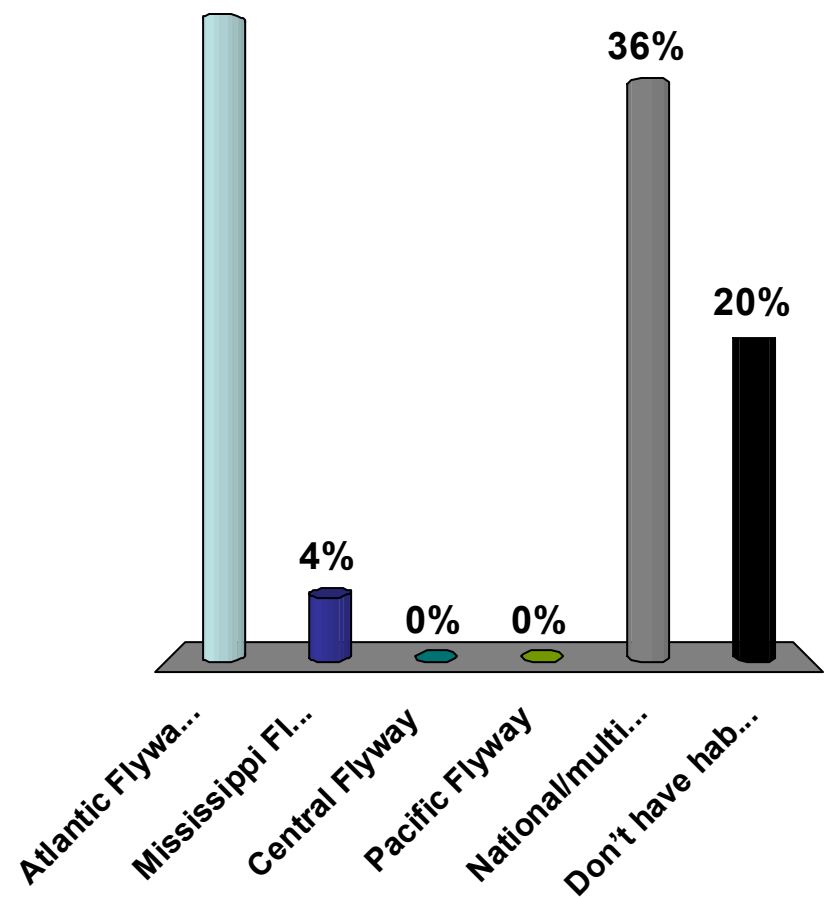


Which *ONE* best describes the geography for which you have waterfowl **habitat** responsibilities?

Edmonton

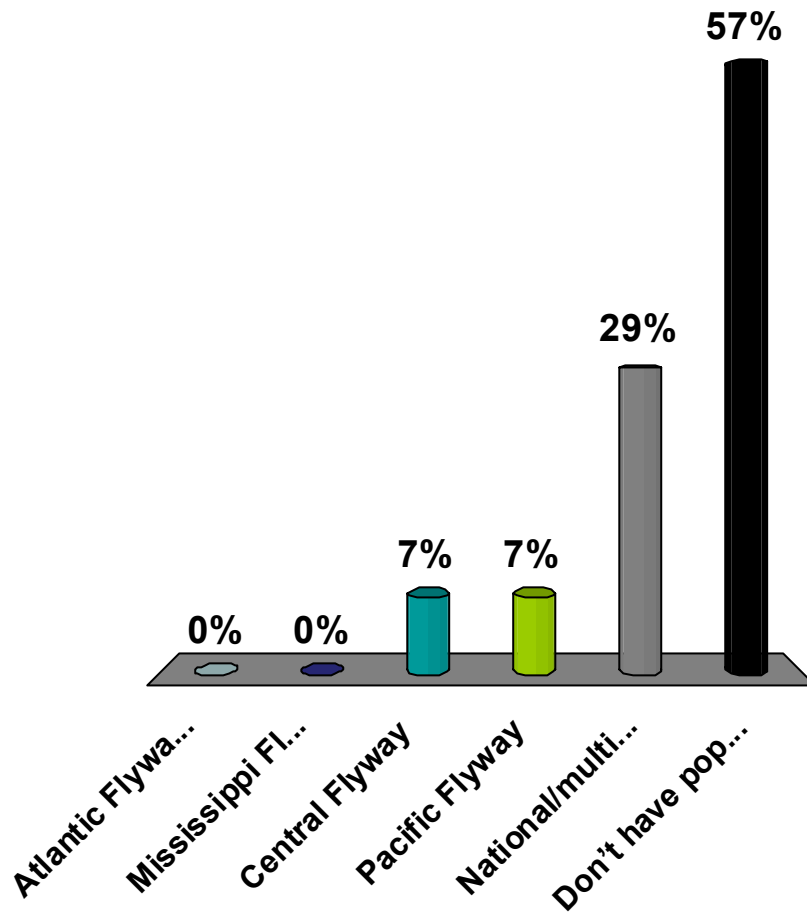


Ottawa
40%

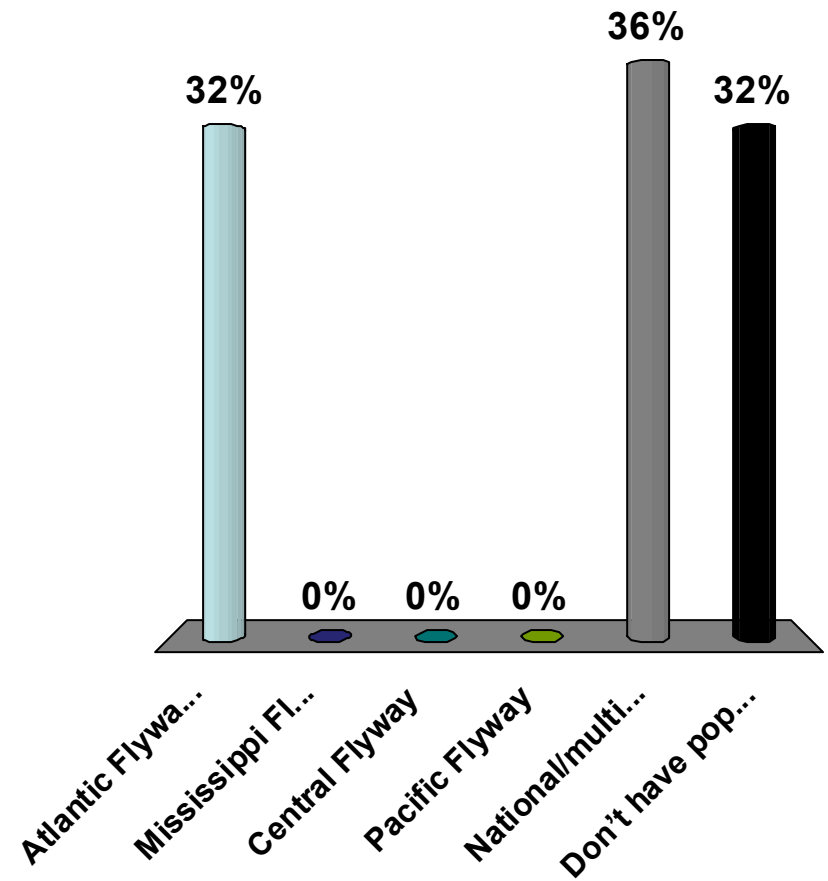


Which *ONE* best describes the geography for which you have waterfowl population responsibilities?

Edmonton

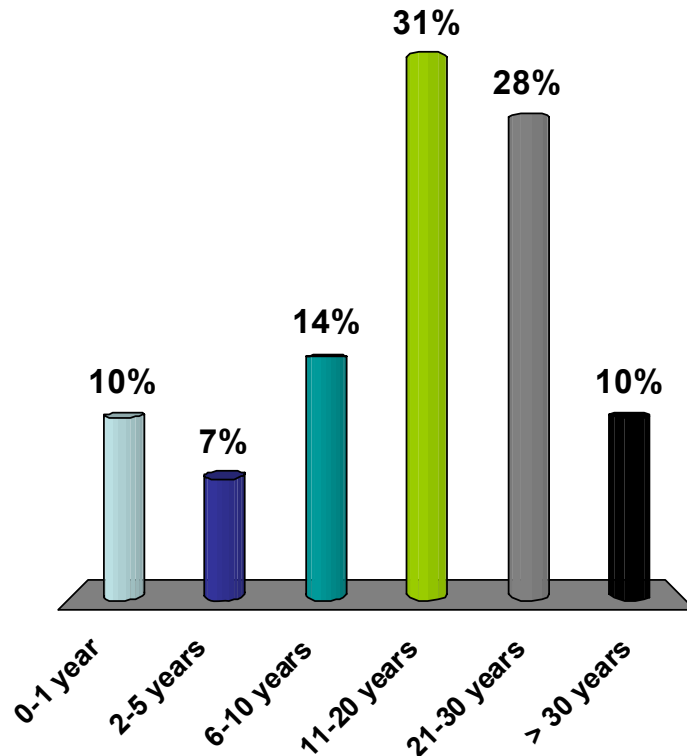


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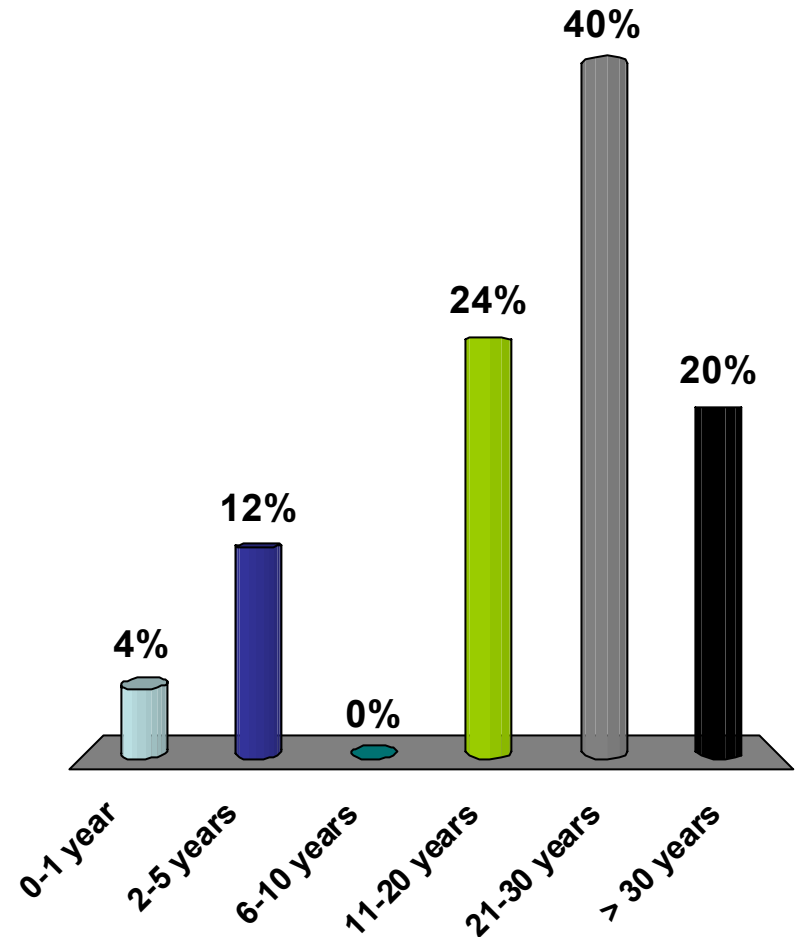


How long have you been active in waterfowl management?

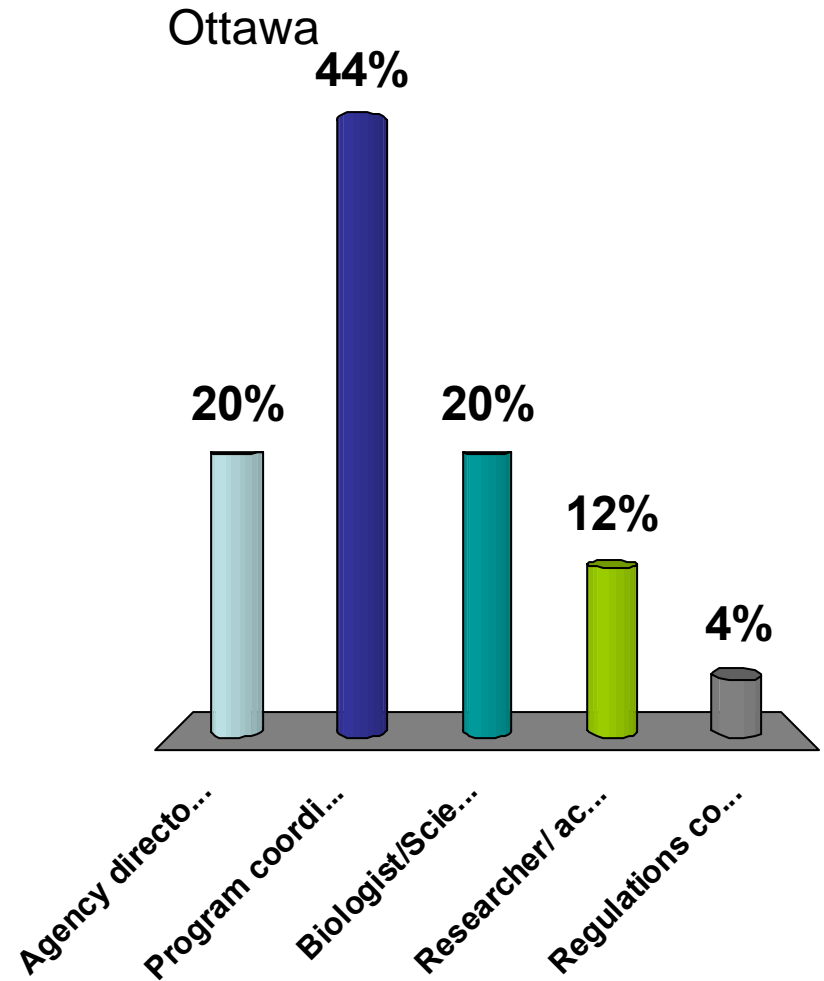
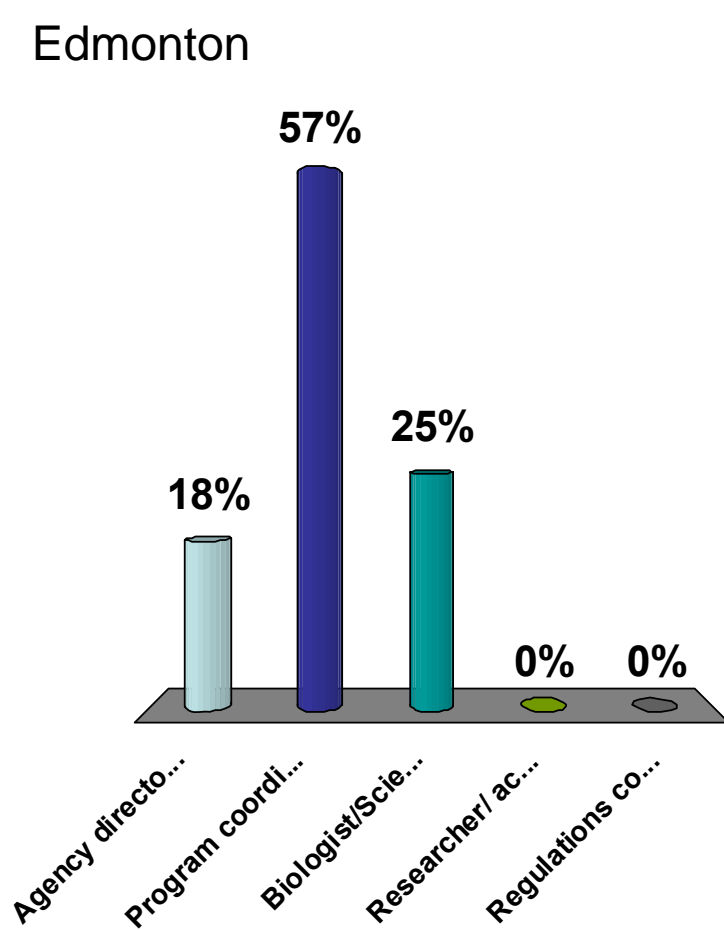
Edmonton



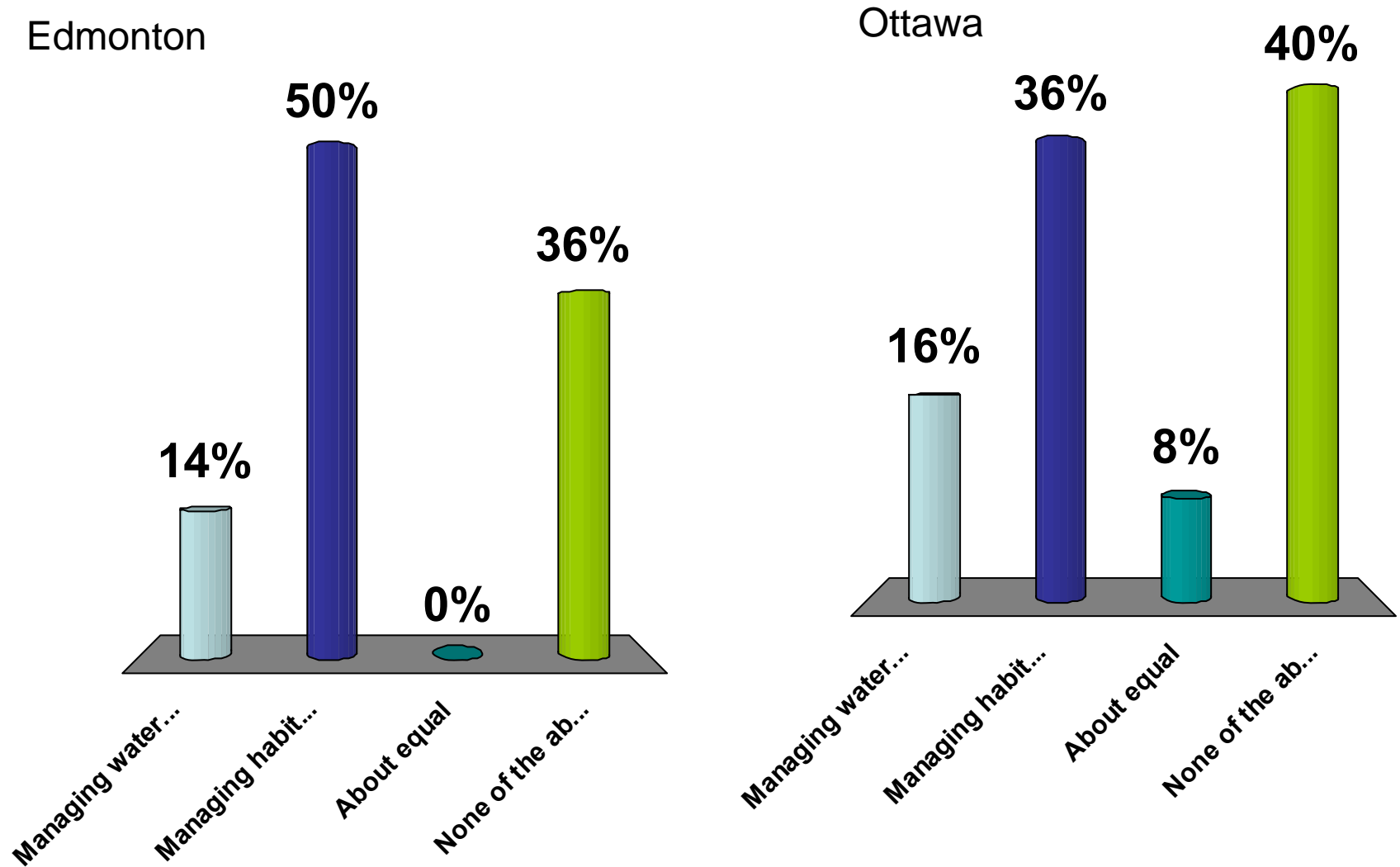
Ottawa



Which one hat do you most frequently wear when it comes to waterfowl management?

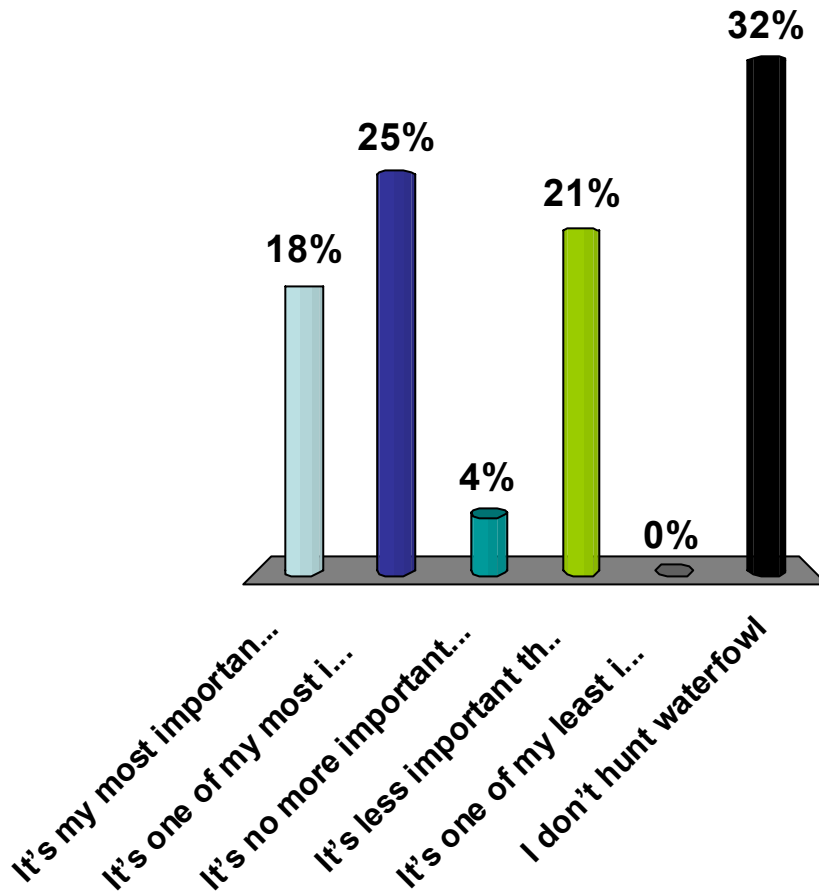


I spend most of my time on...

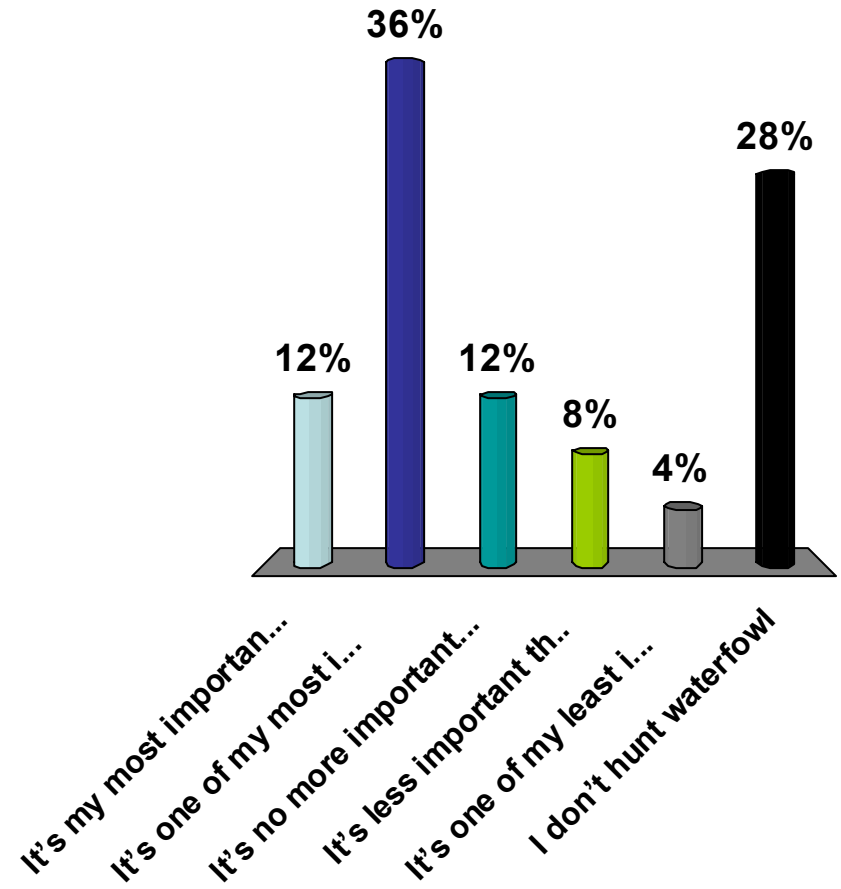


How important is waterfowl hunting to you?

Edmonton

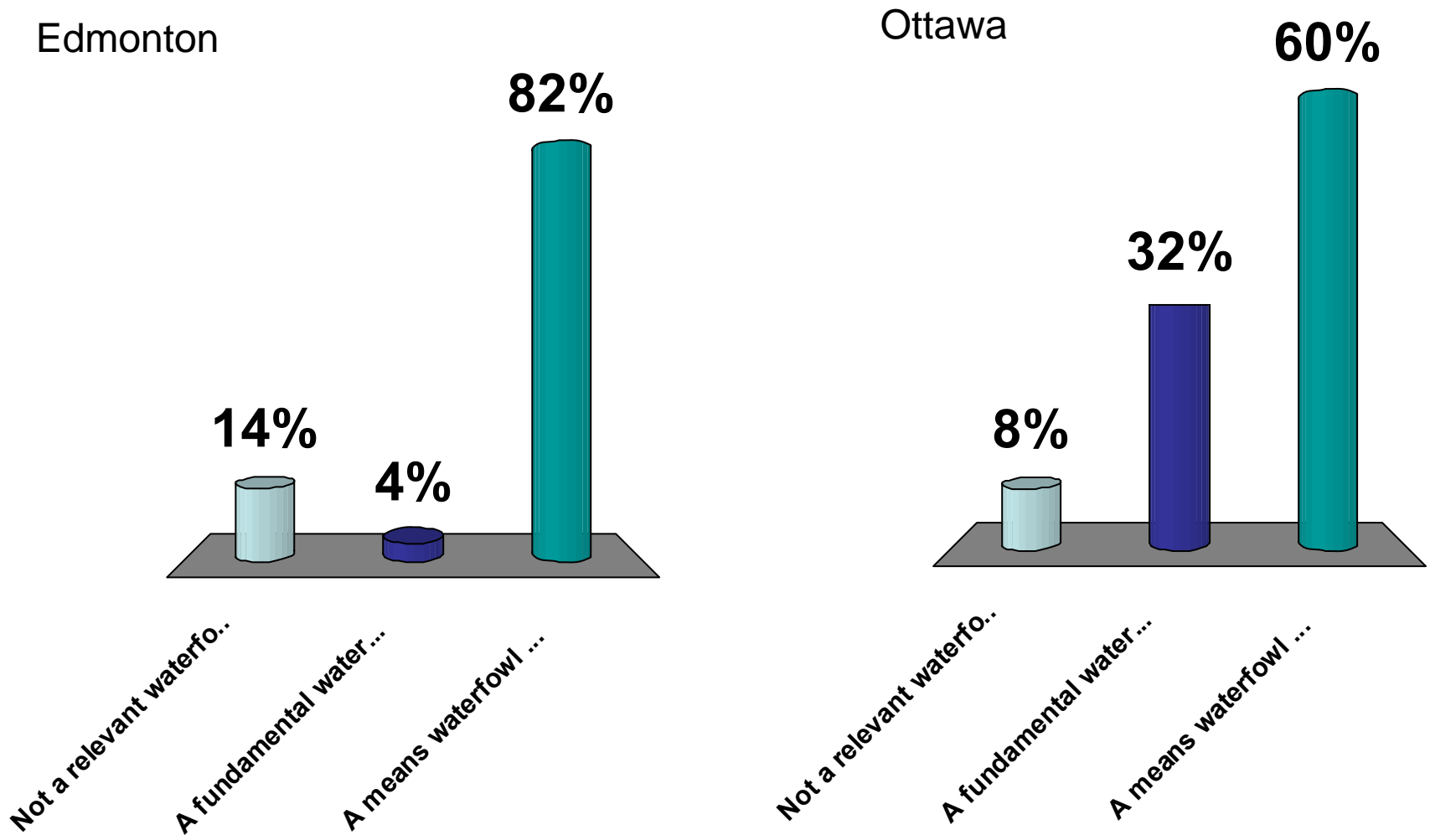


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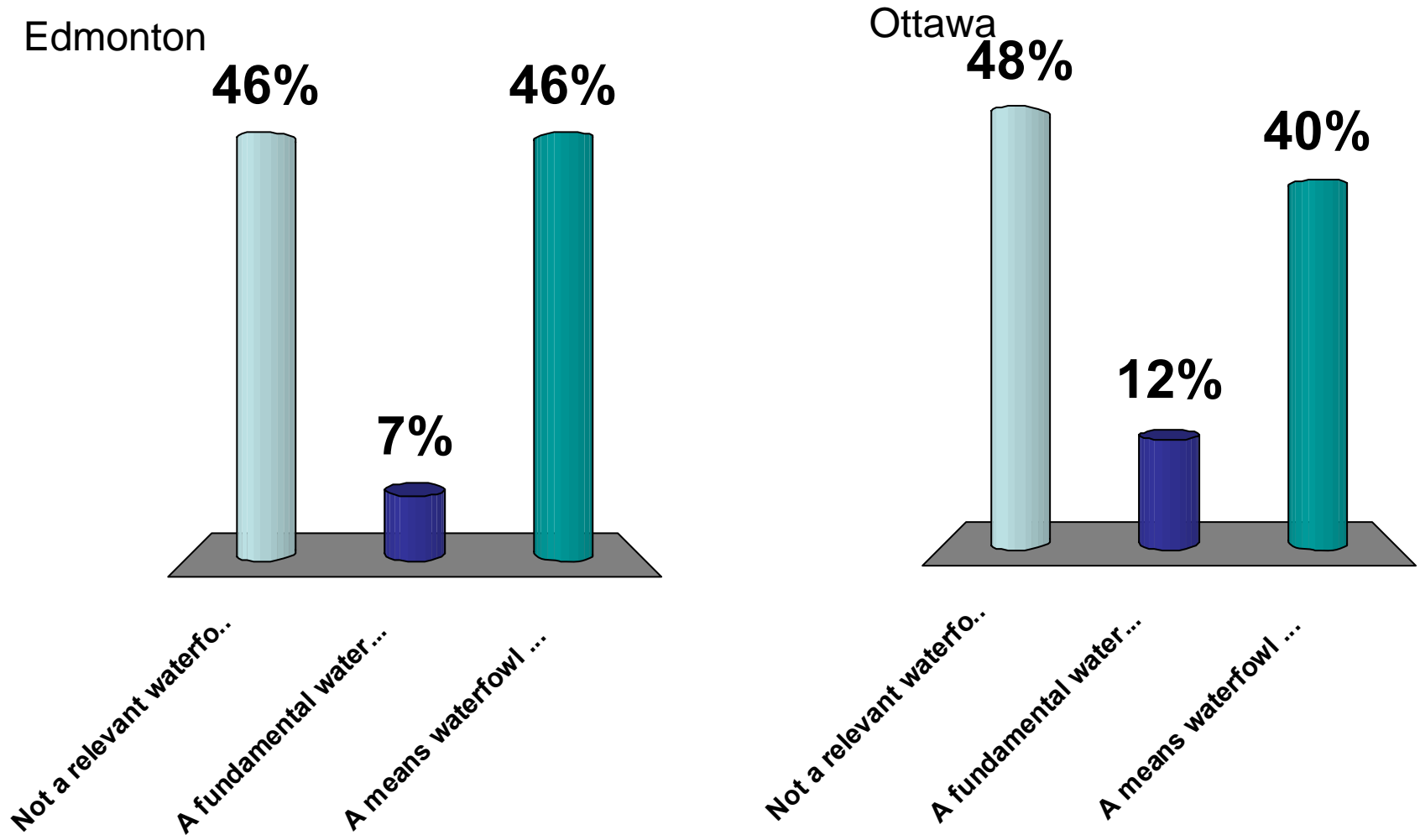


Turning Point Slides

1. Promote a conservation ethic in the general public

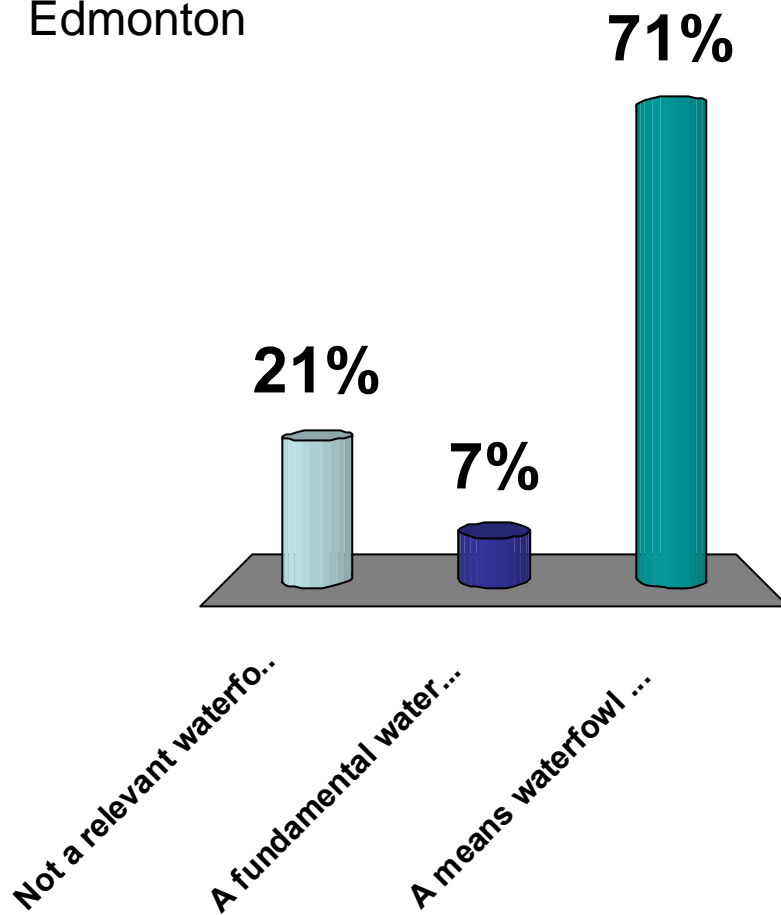


2. Maximize waterfowl harvest

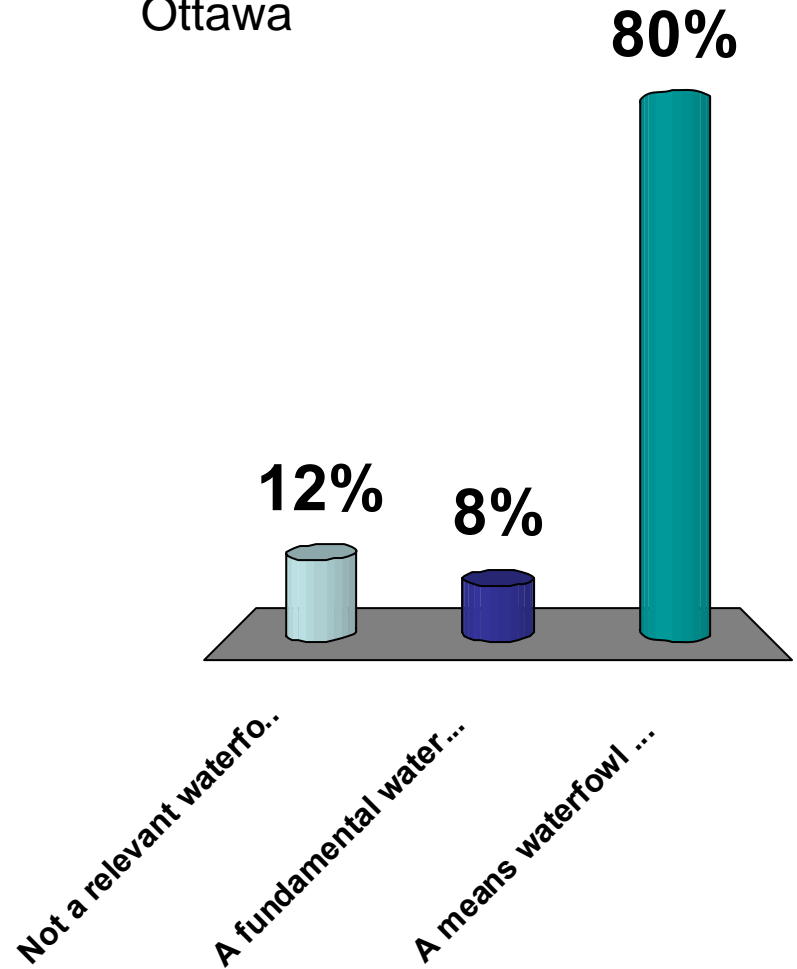


3. Maximize hunter satisfaction

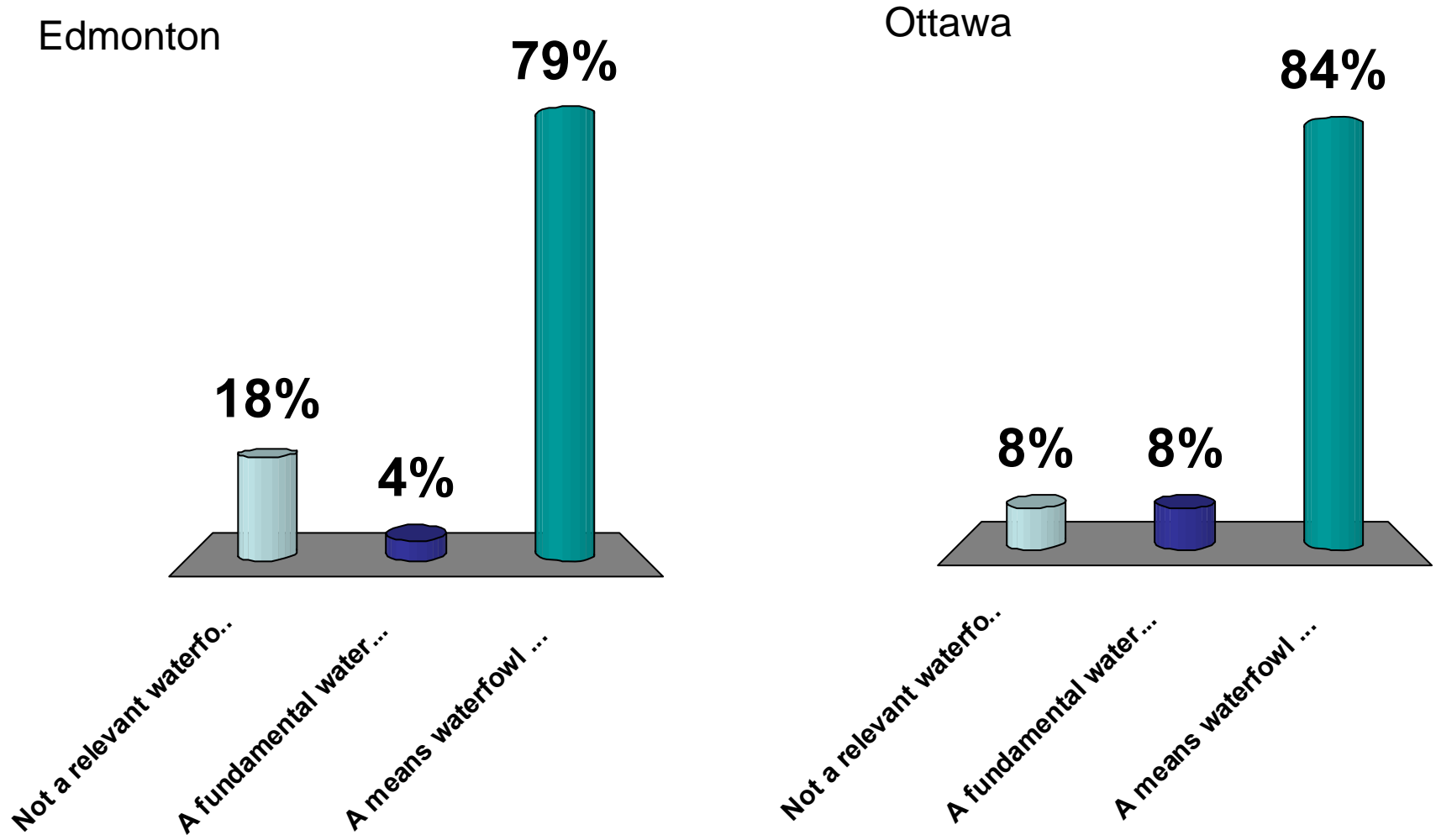
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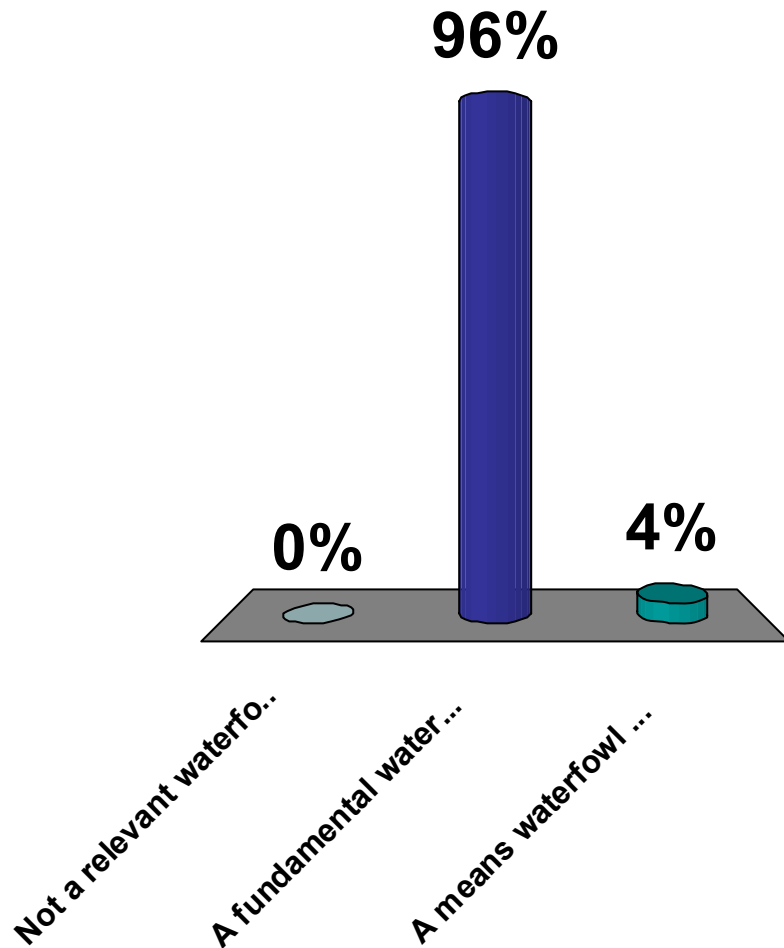


4. Promote non-consumptive uses of waterfowl

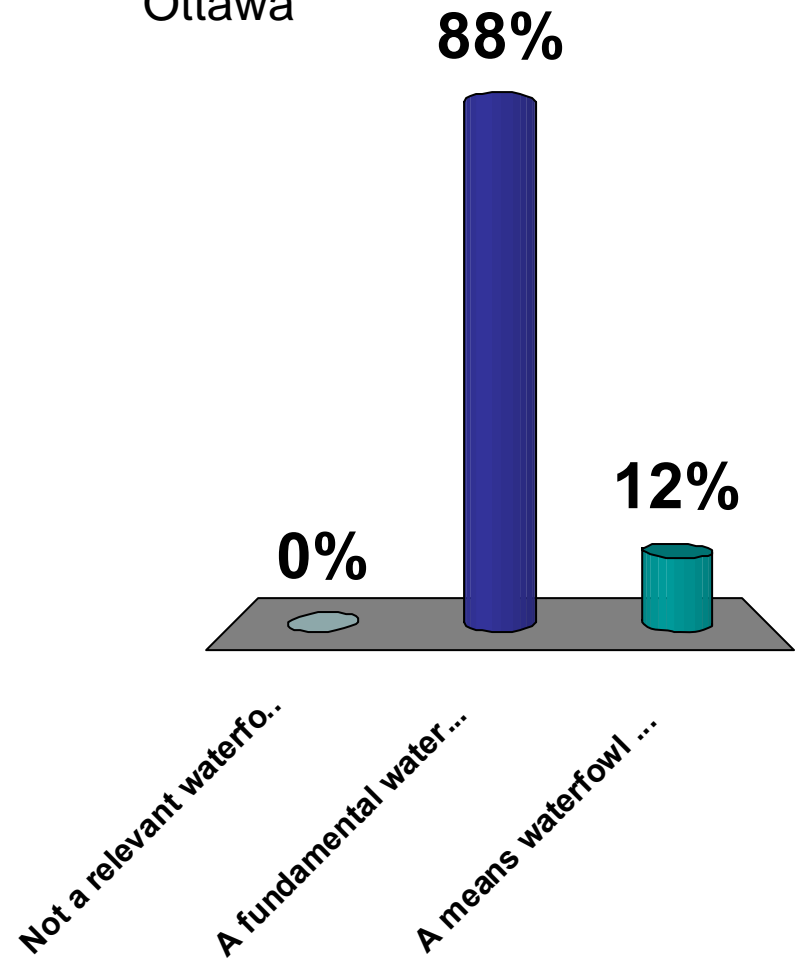


5. Maintain landscapes capable of sustaining waterfowl populations in perpetuity

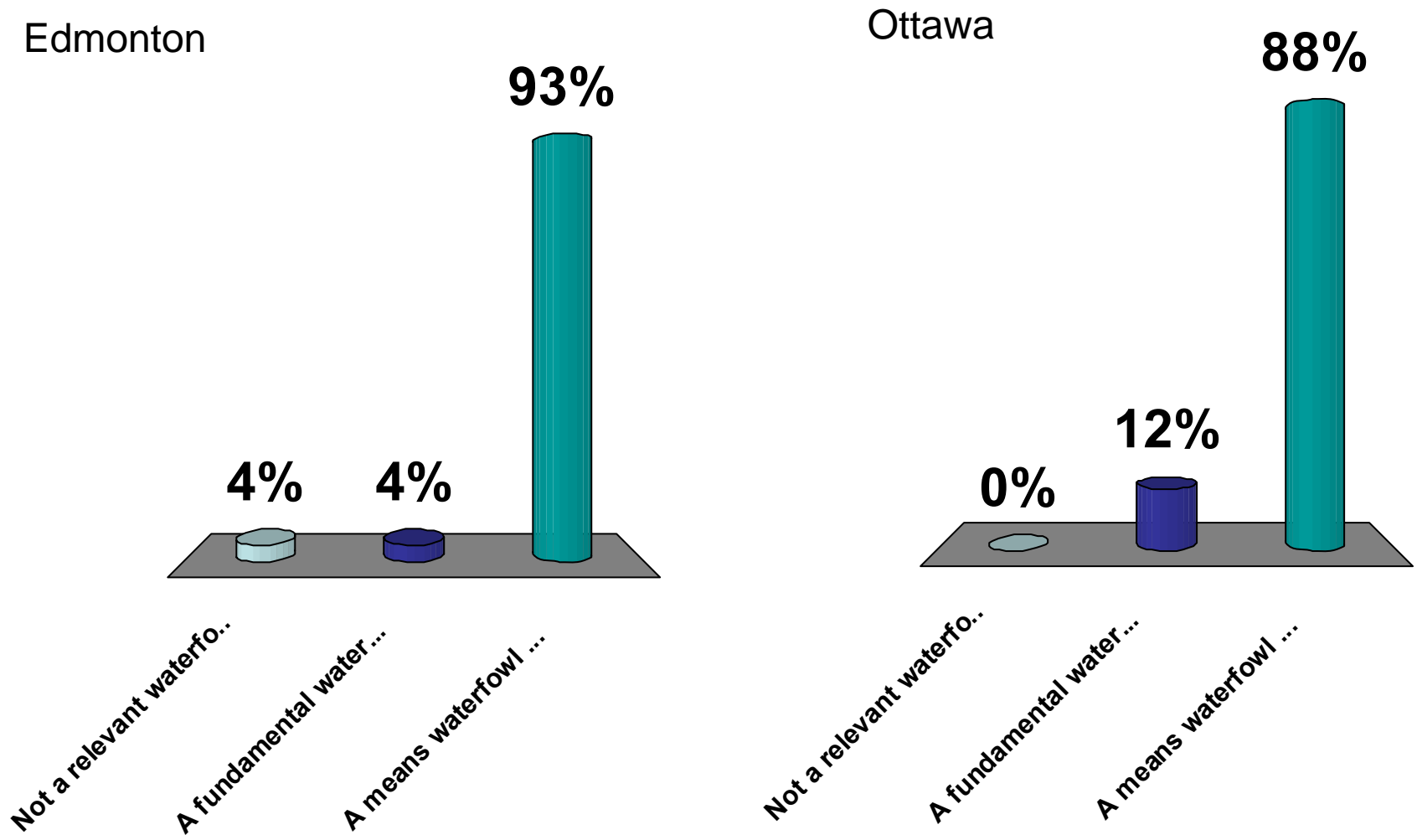
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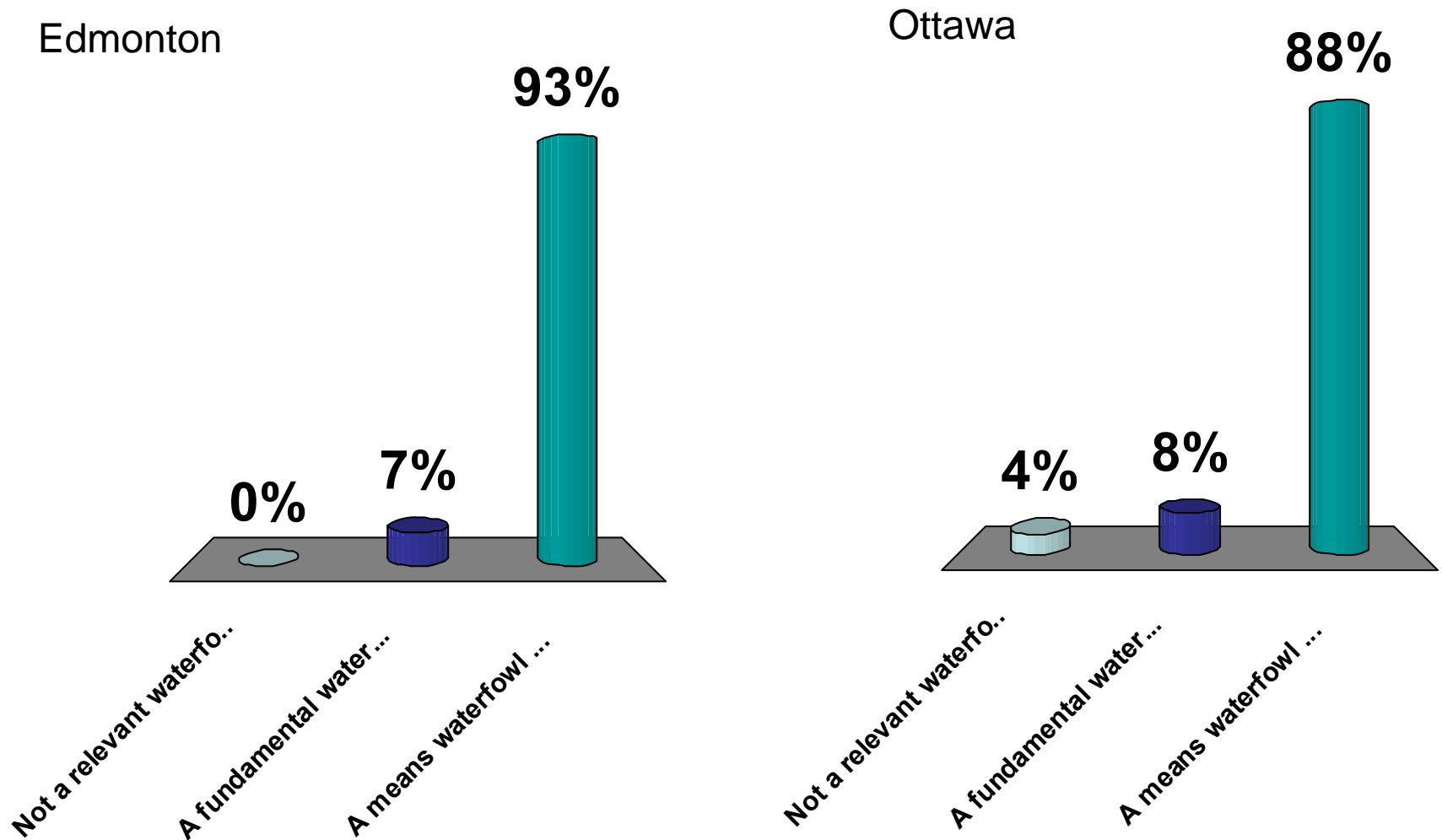
Ottawa



6. Increase the understanding of ecological mechanisms driving changes in waterfowl abundance and waterfowl landscapes

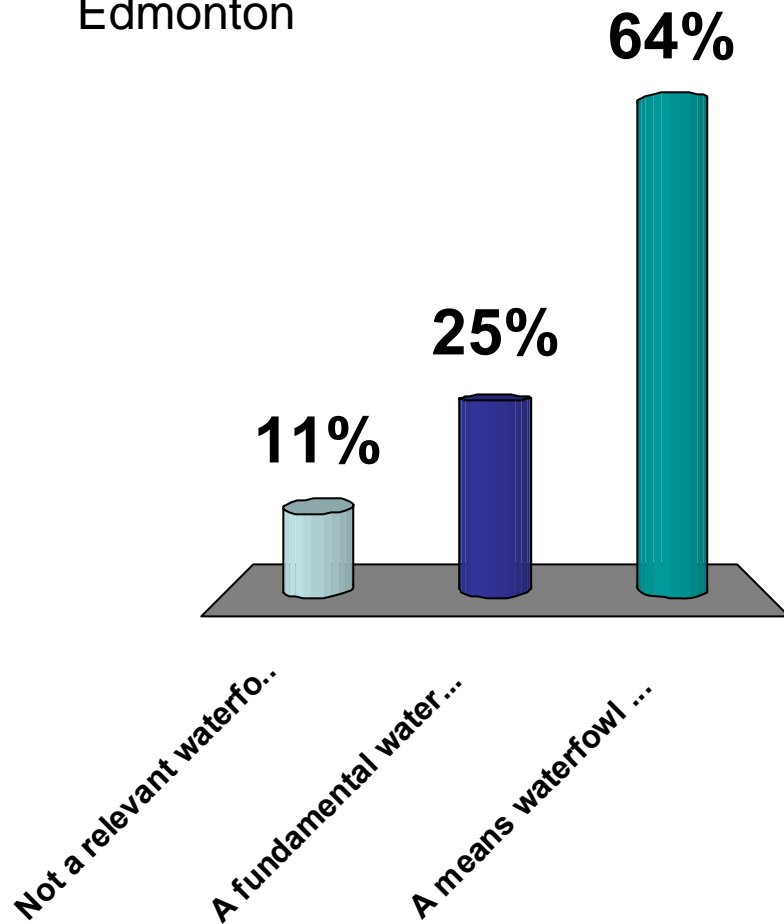


7. Expand the sources and amount of funding for waterfowl conservation activities

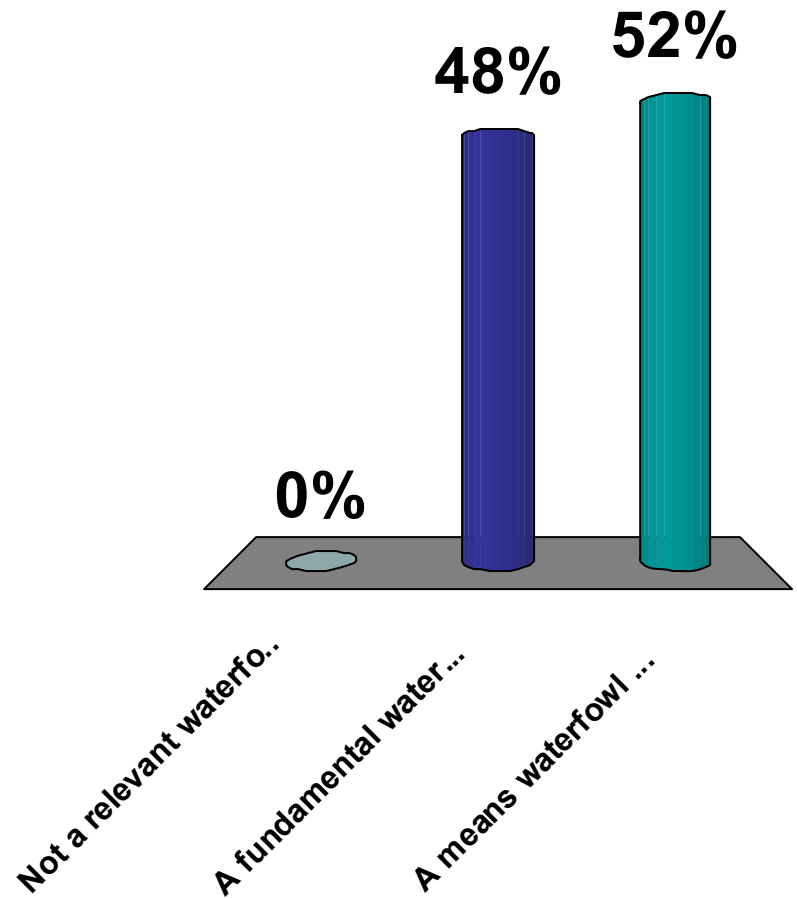


8. Perpetuate the tradition of waterfowling

Edmonton

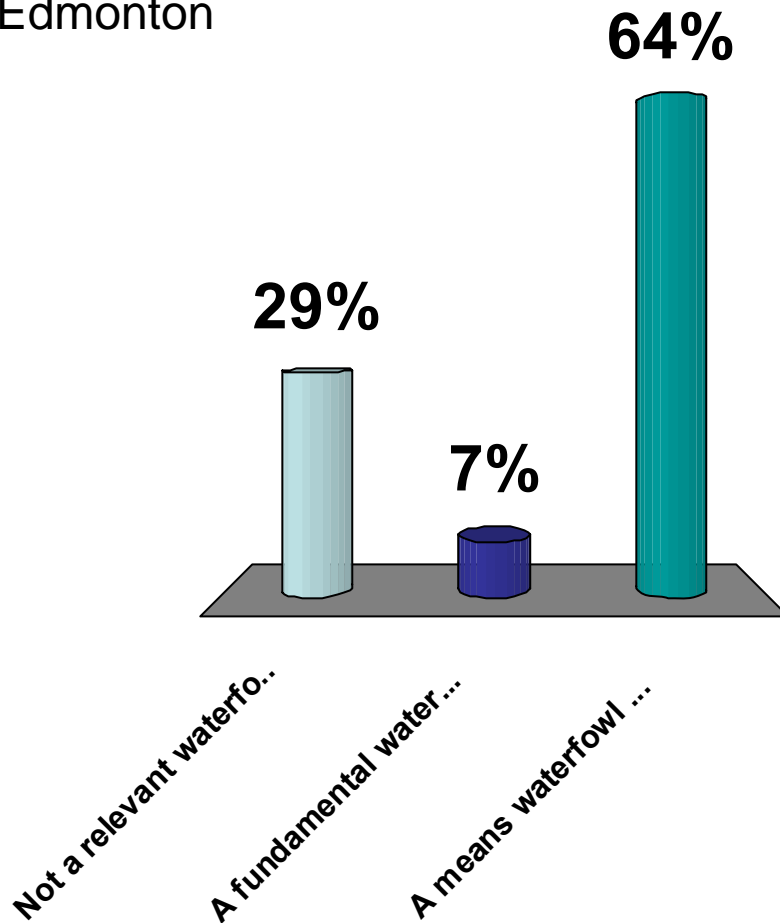


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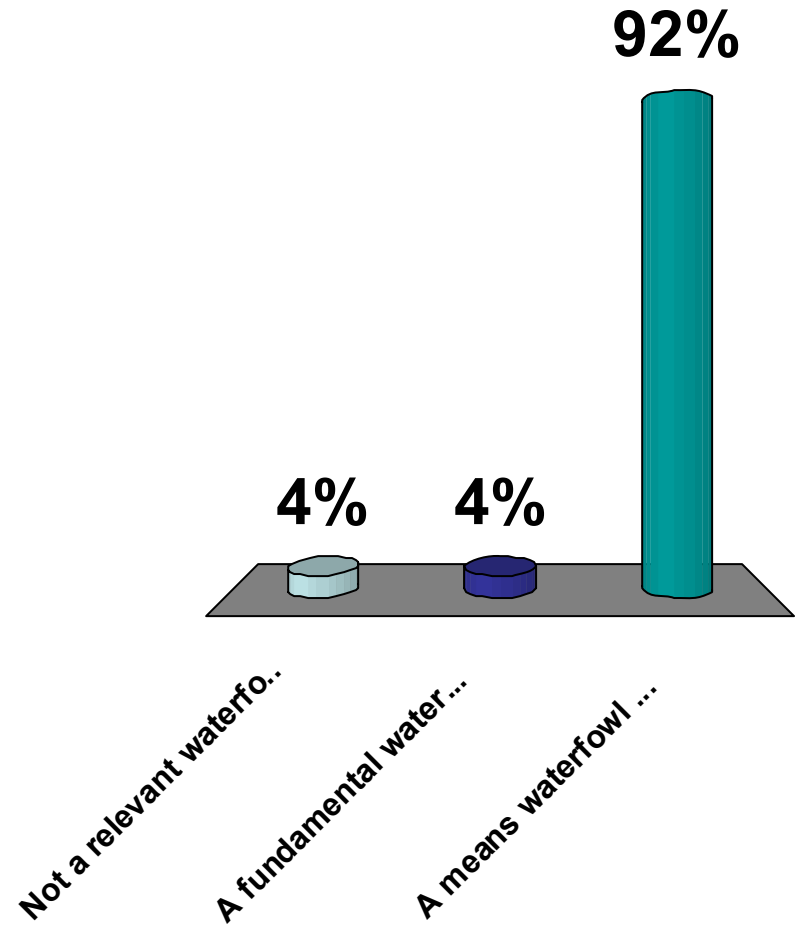


9. Minimize harvest of under-abundant waterfowl species

Edmonton

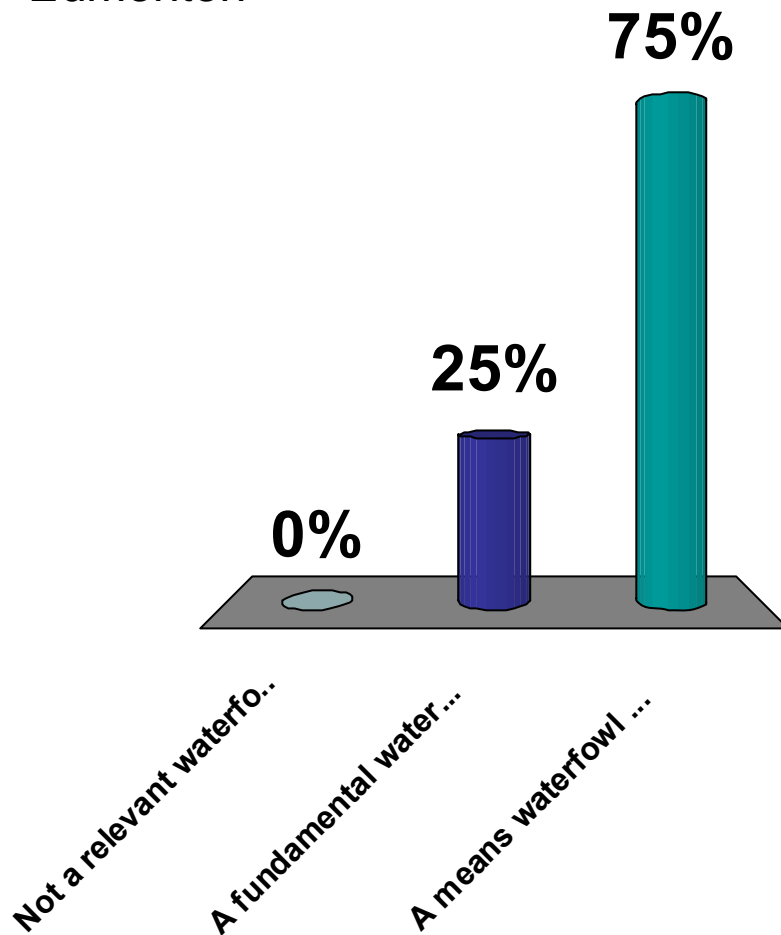


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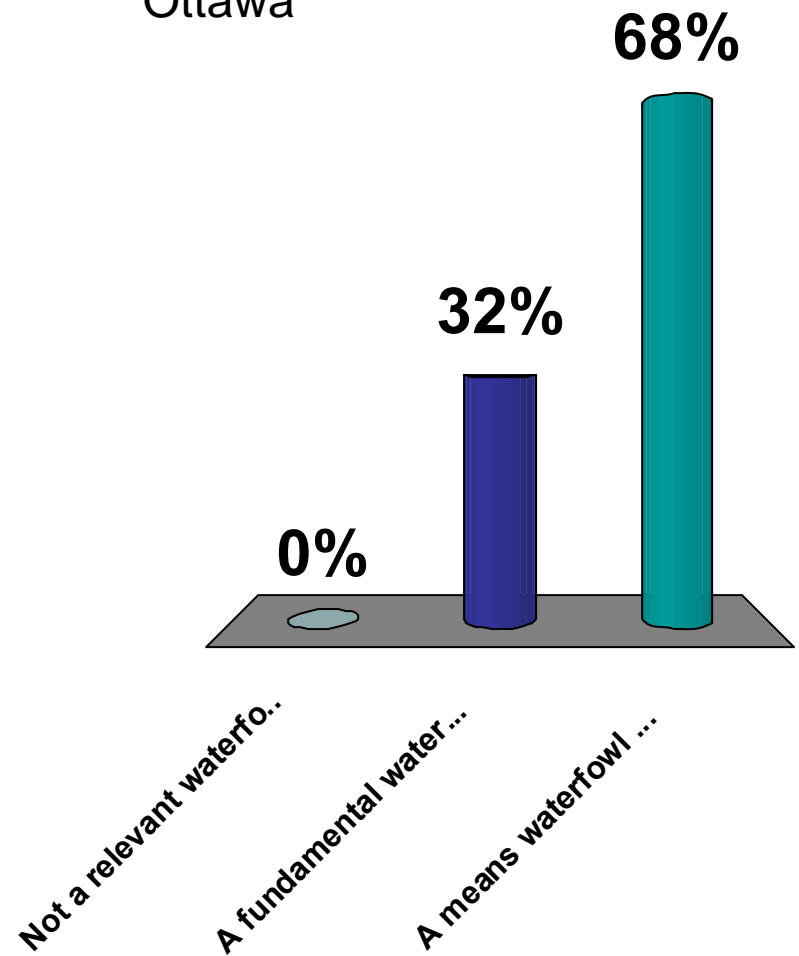


10. Minimize loss and degradation of wetlands and associated uplands

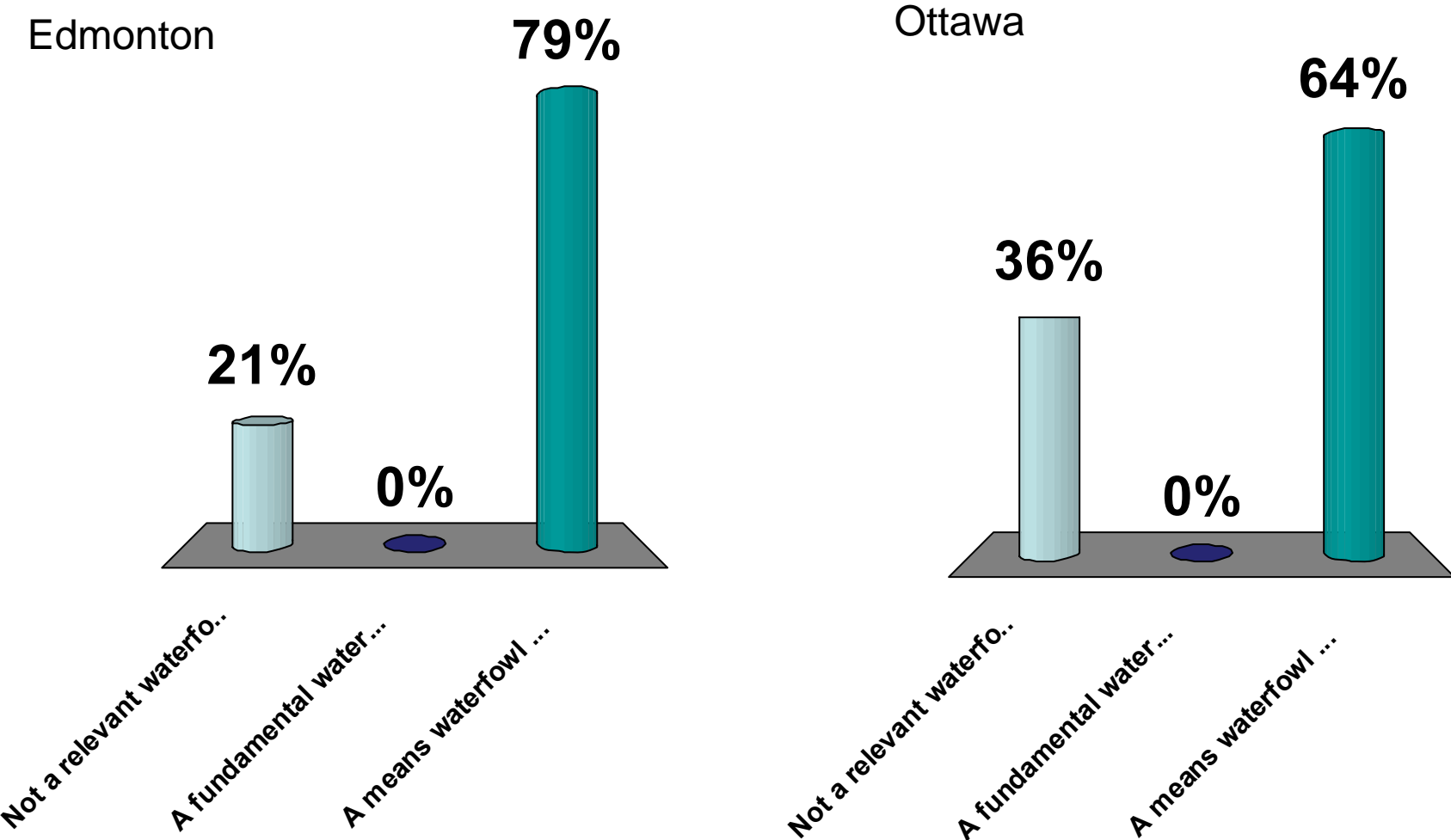
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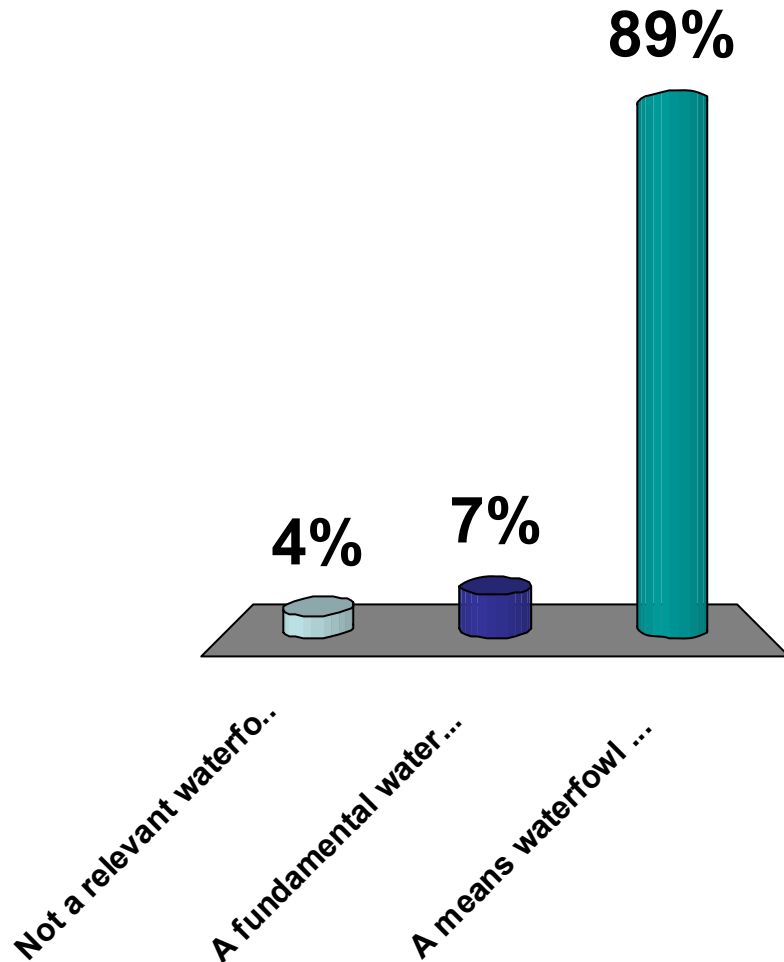


11. Provide more public hunting opportunities

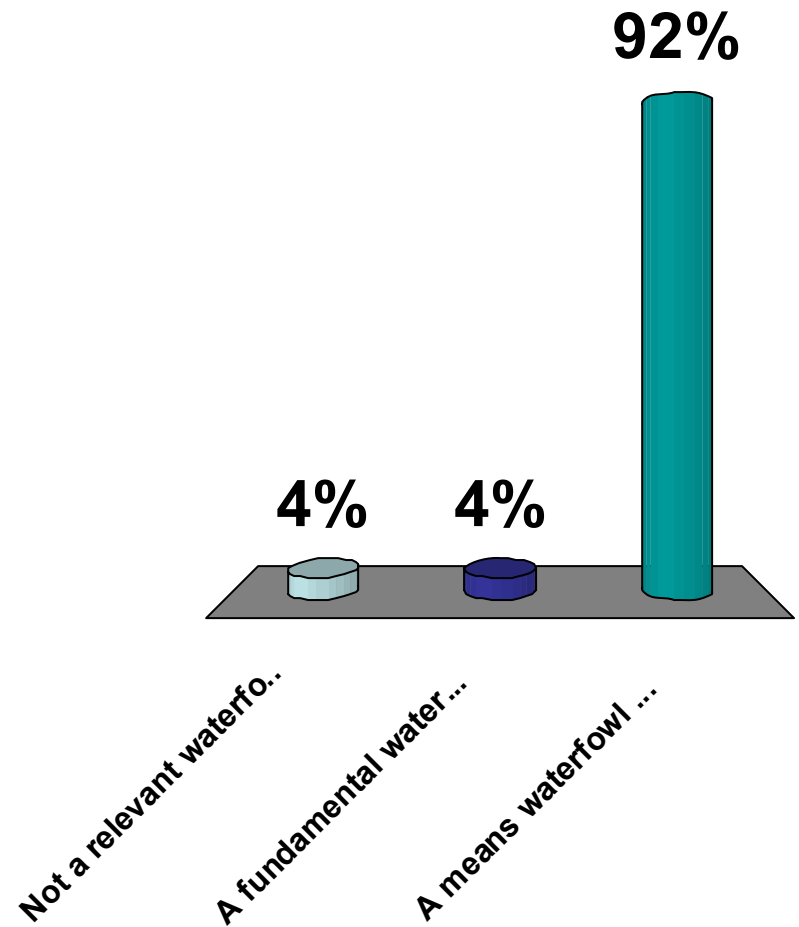


12. Minimize the detrimental effects of over-abundant populations (e.g. depredation, habitat destruction)

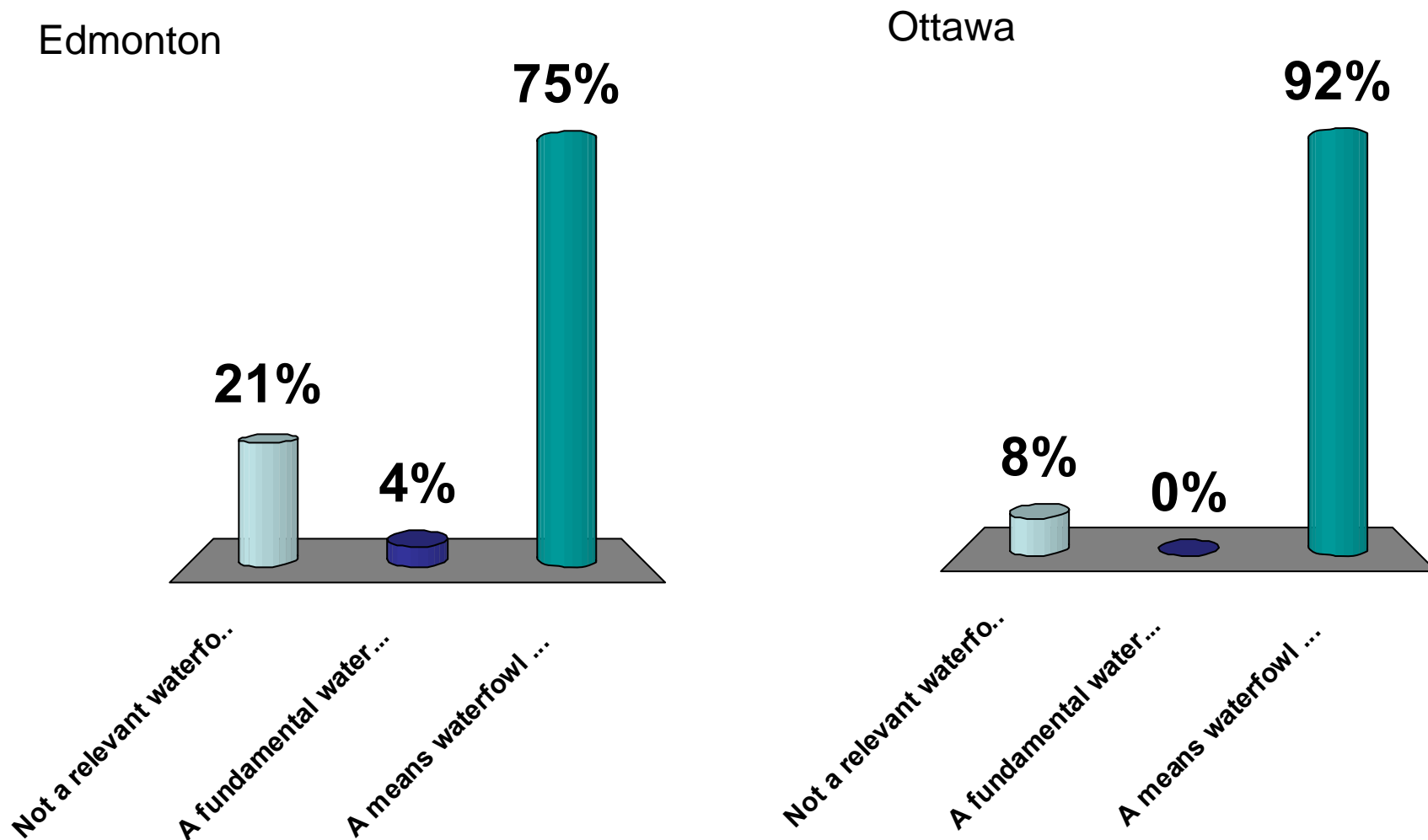
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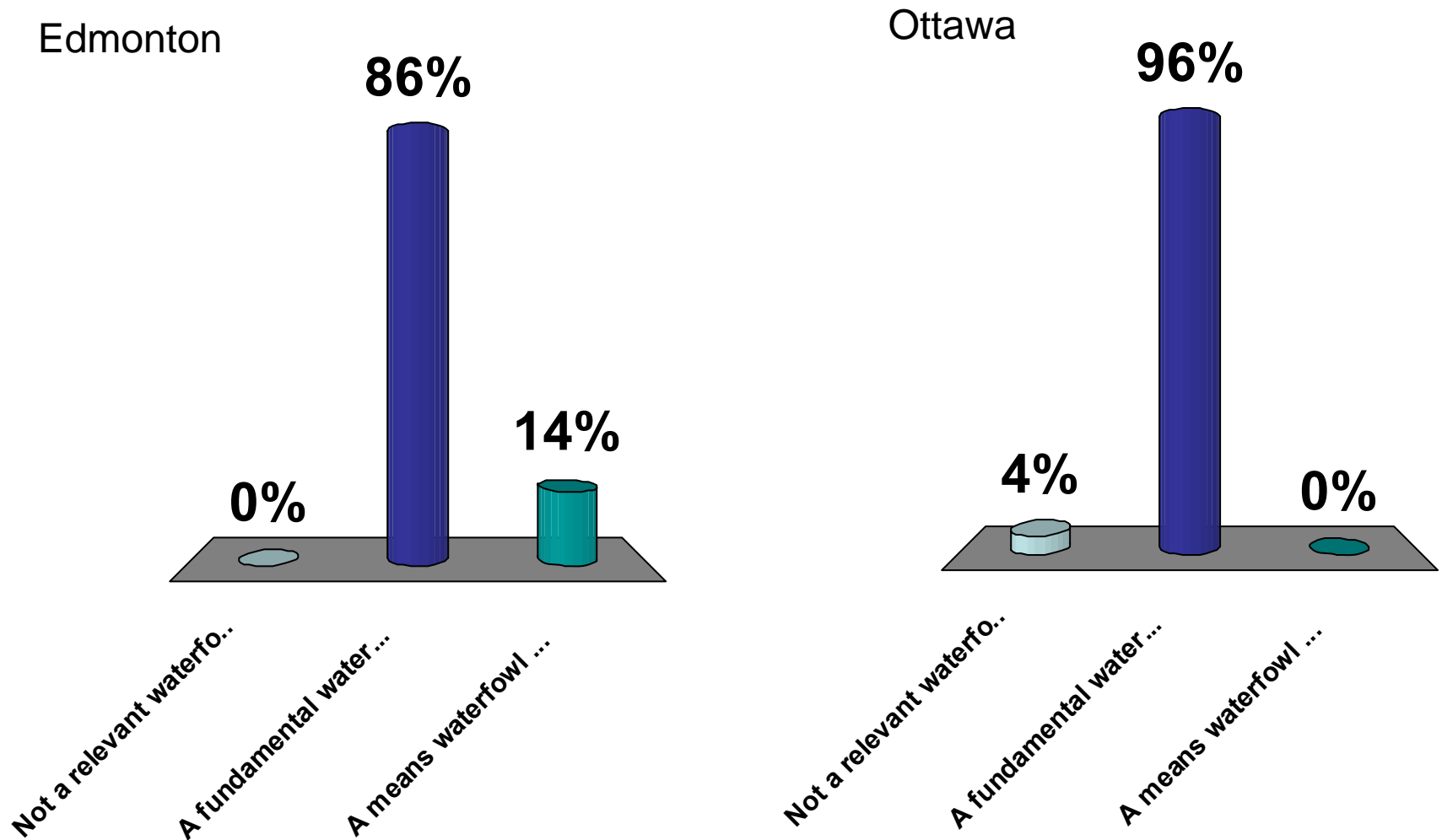
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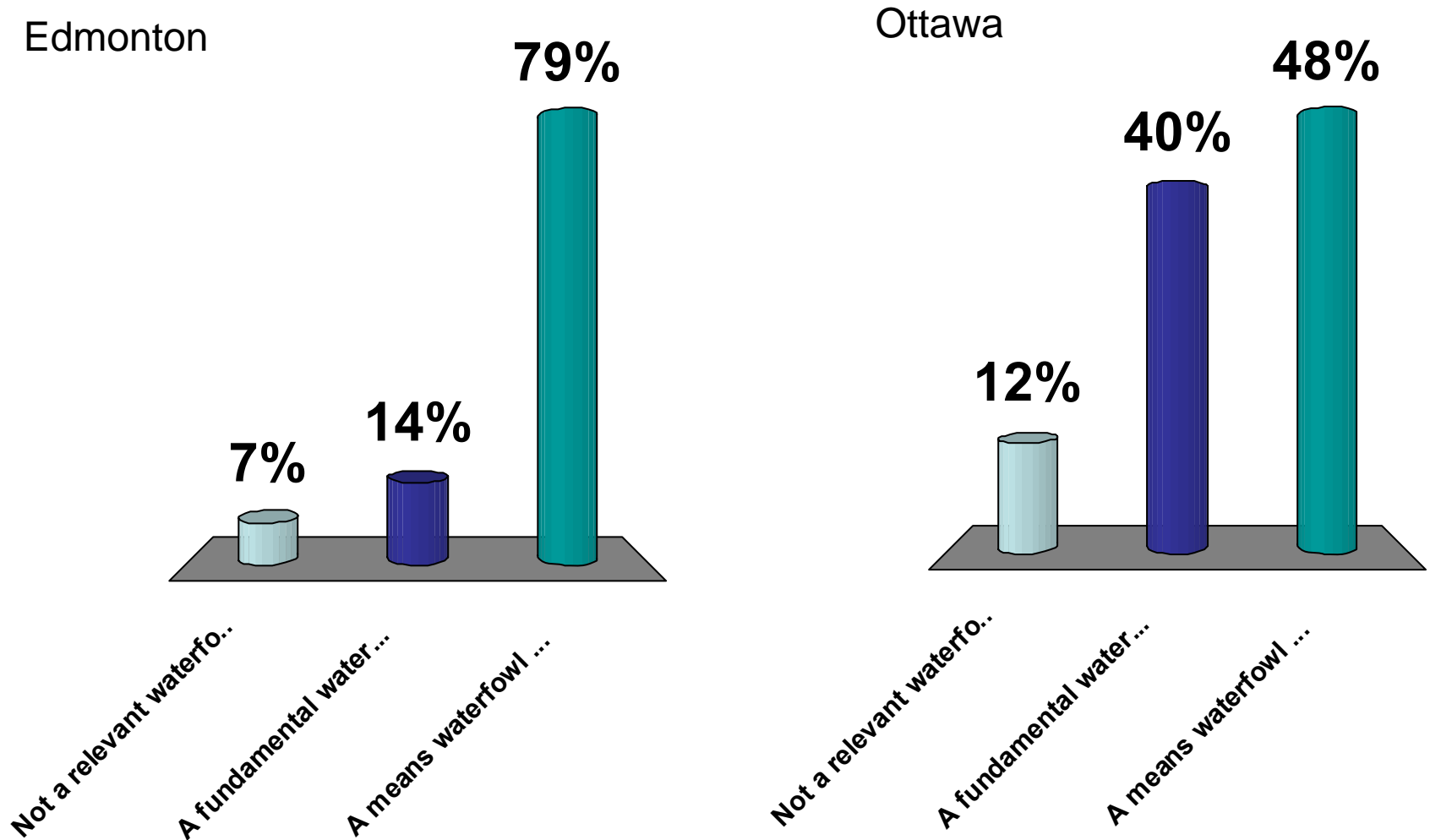
13. Maintain/establish regulations that are simple and will lead to high compliance rates among hunters



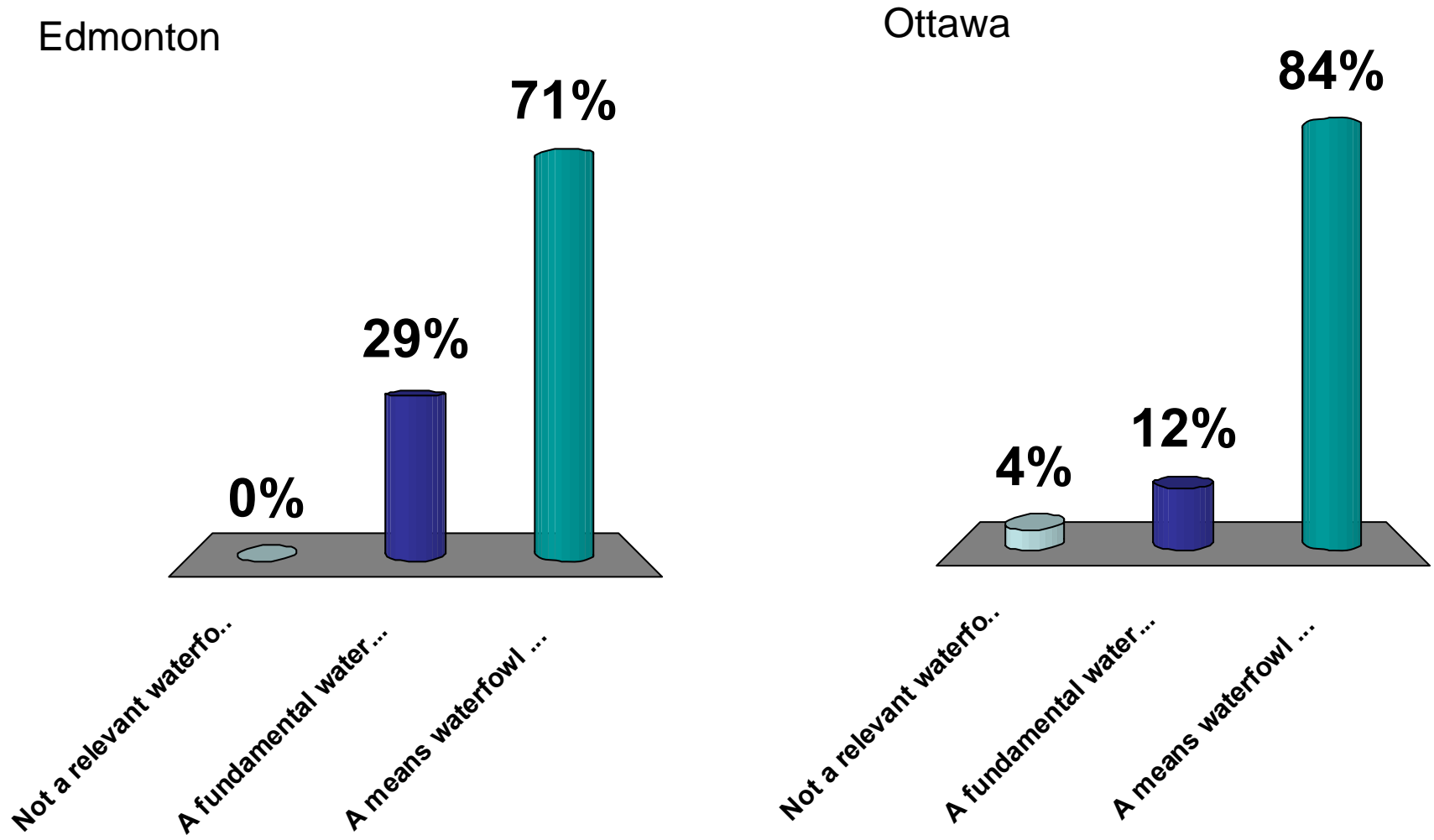
14. Maintain healthy waterfowl populations as part of the North American fauna



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

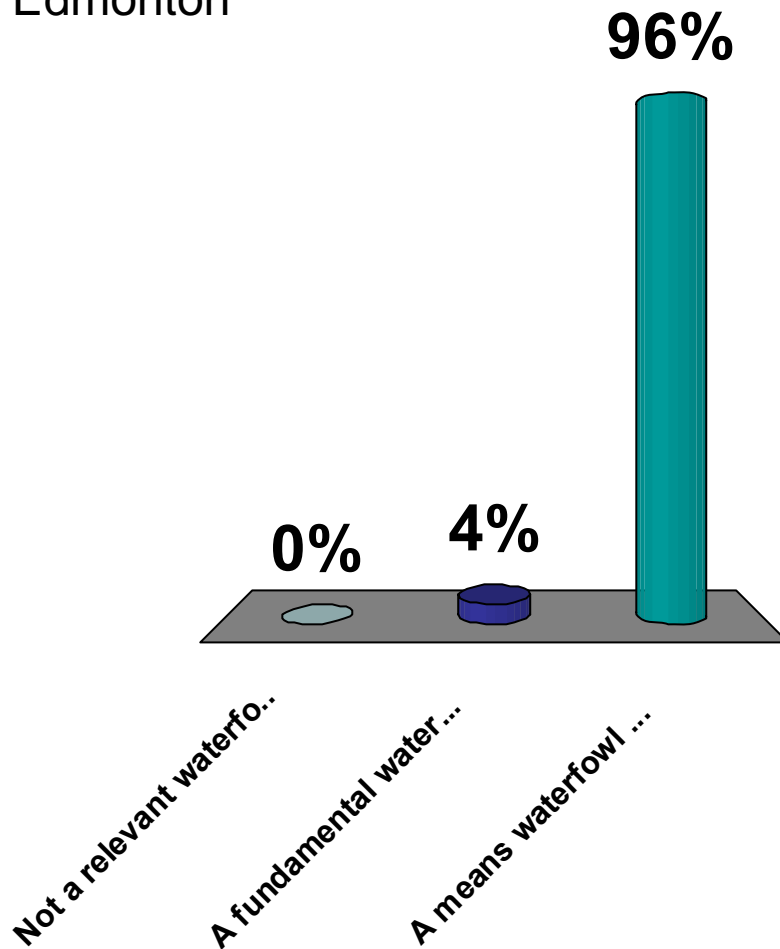


16. Increase public support for waterfowl conservation

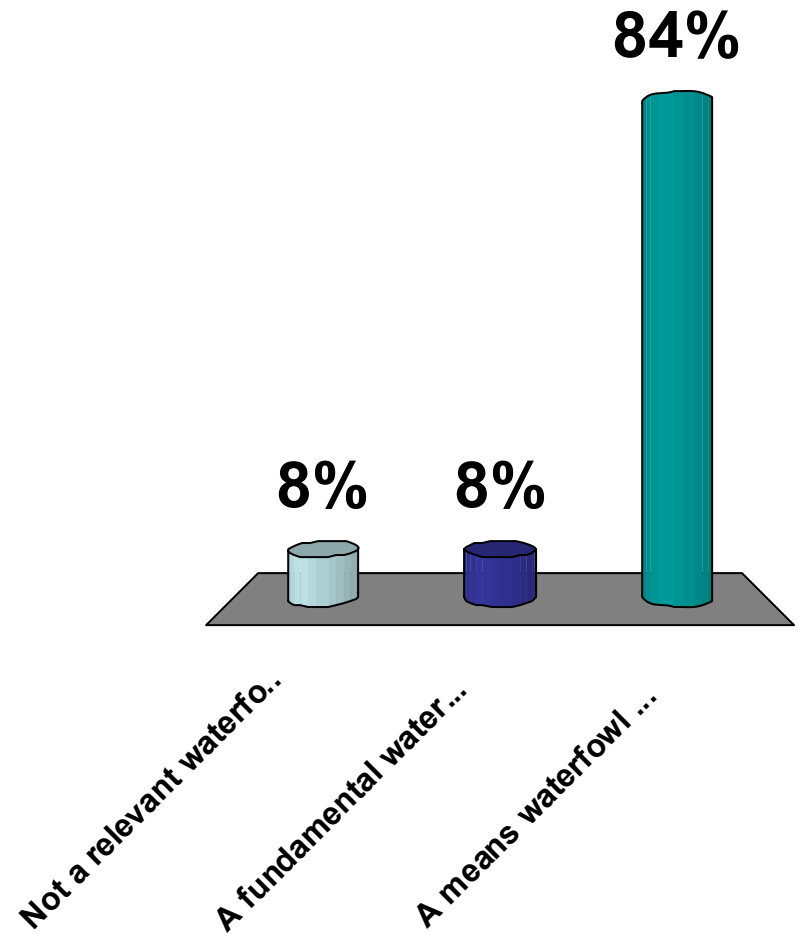


17. Increase waterfowl hunter participation

Edmonton

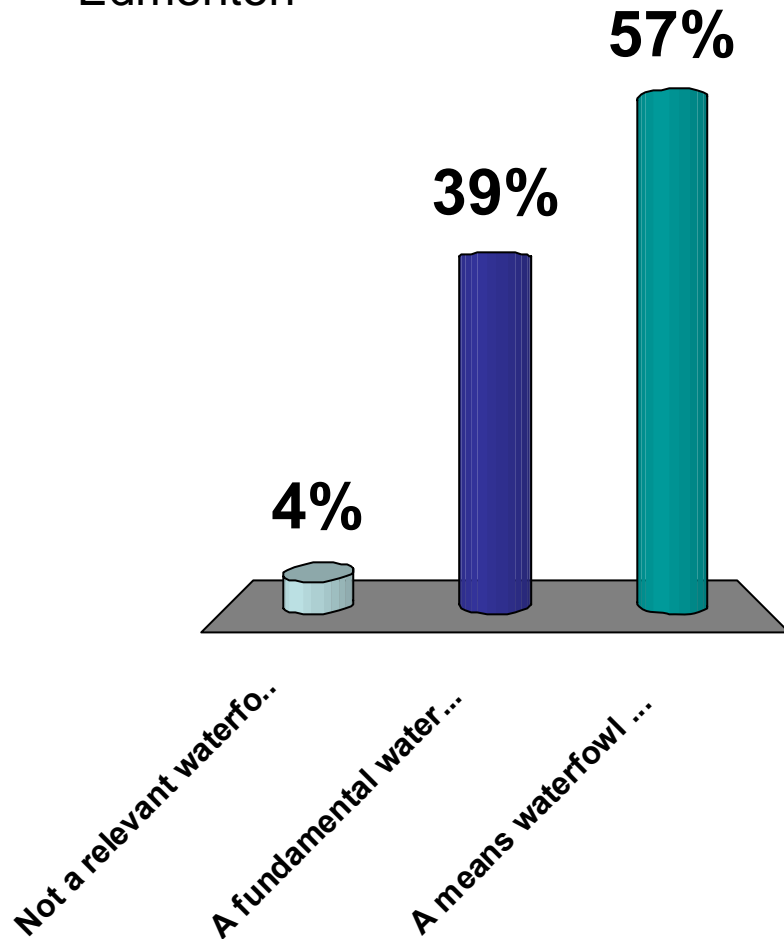


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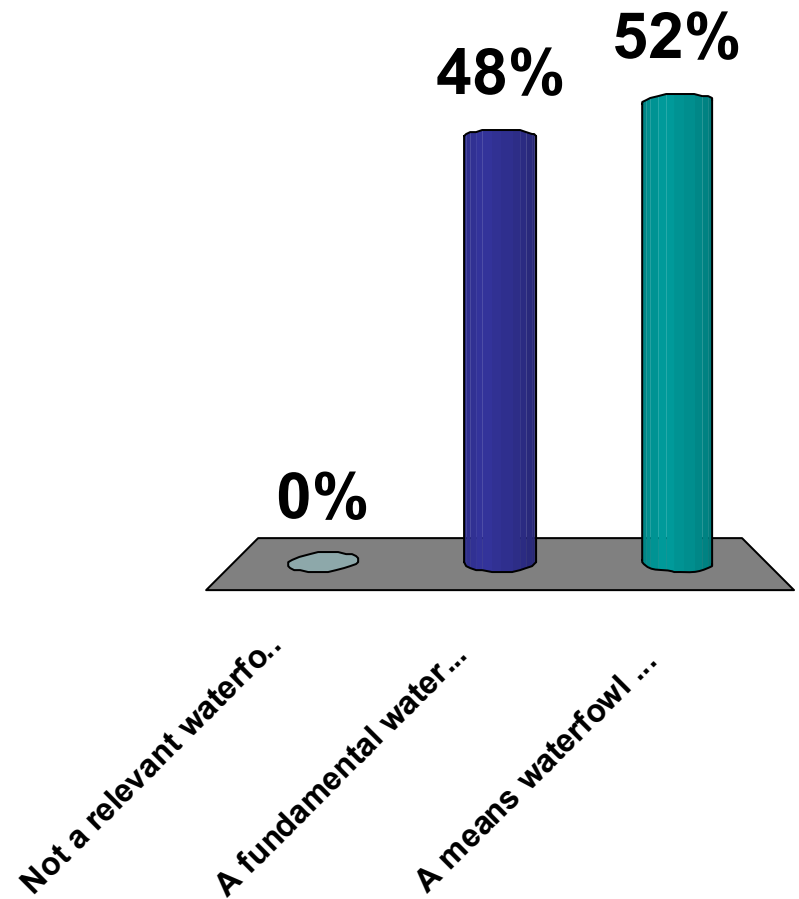


18. Ensure that no species of waterfowl falls below population levels necessary for long-term viability.

Edmonton

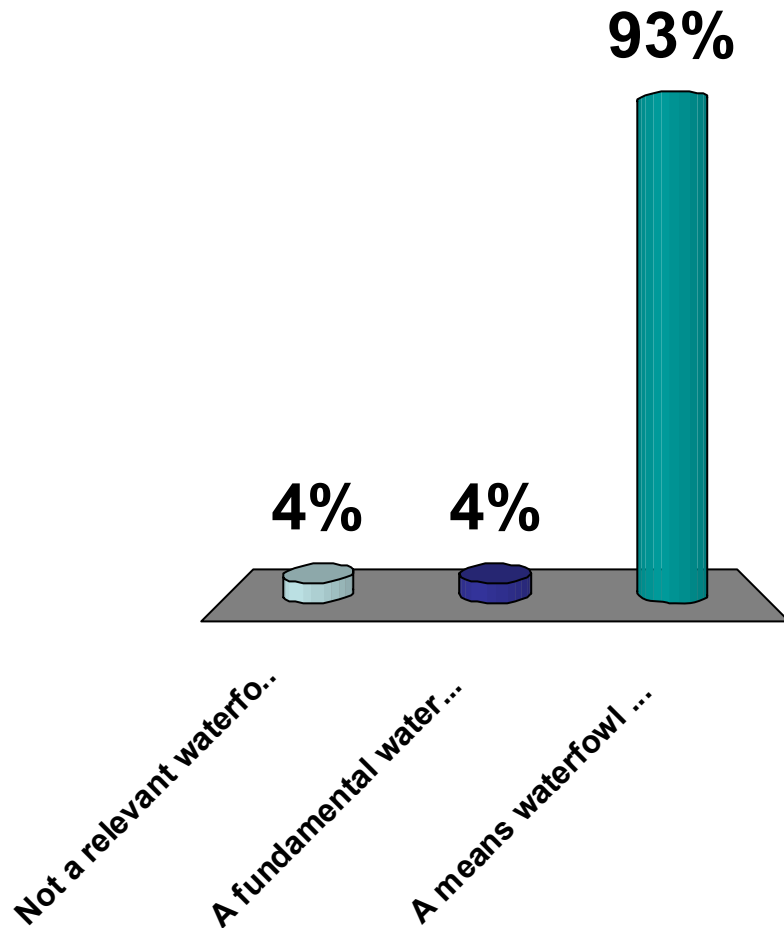


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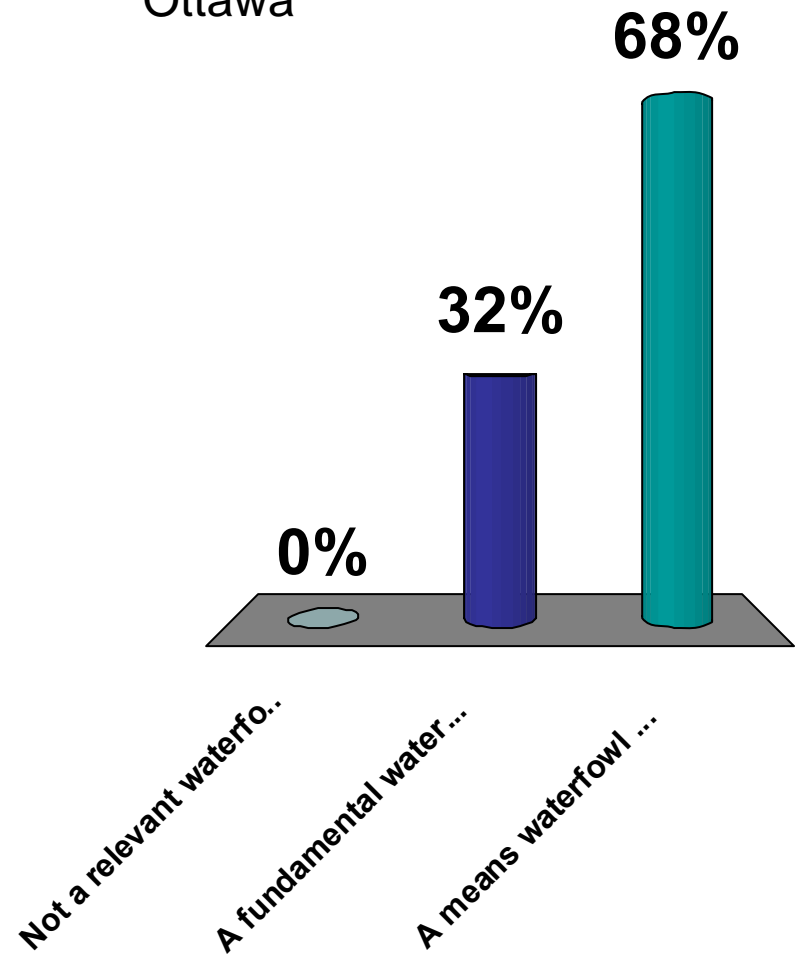


19. Increase and improve duck breeding habitat

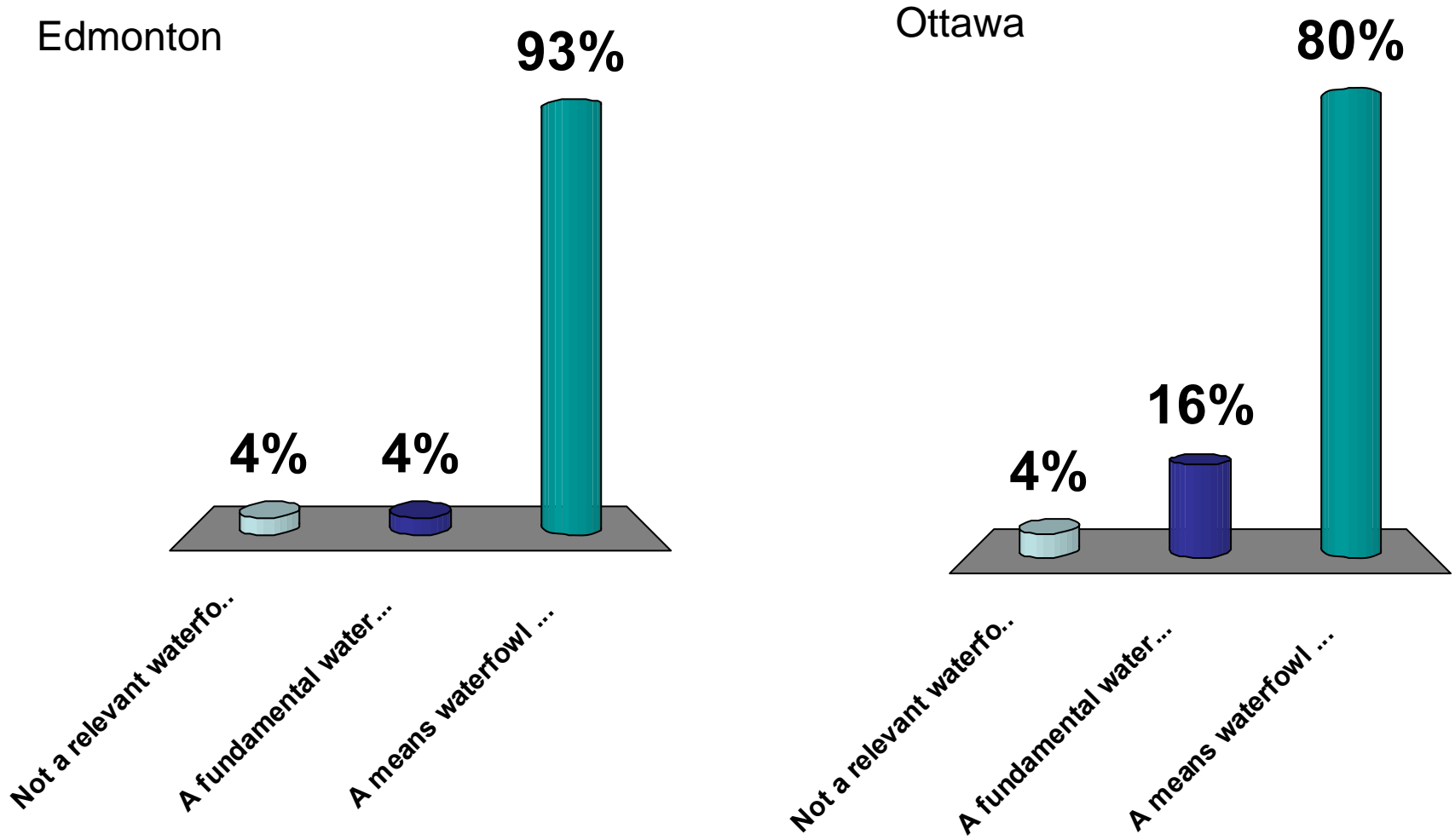
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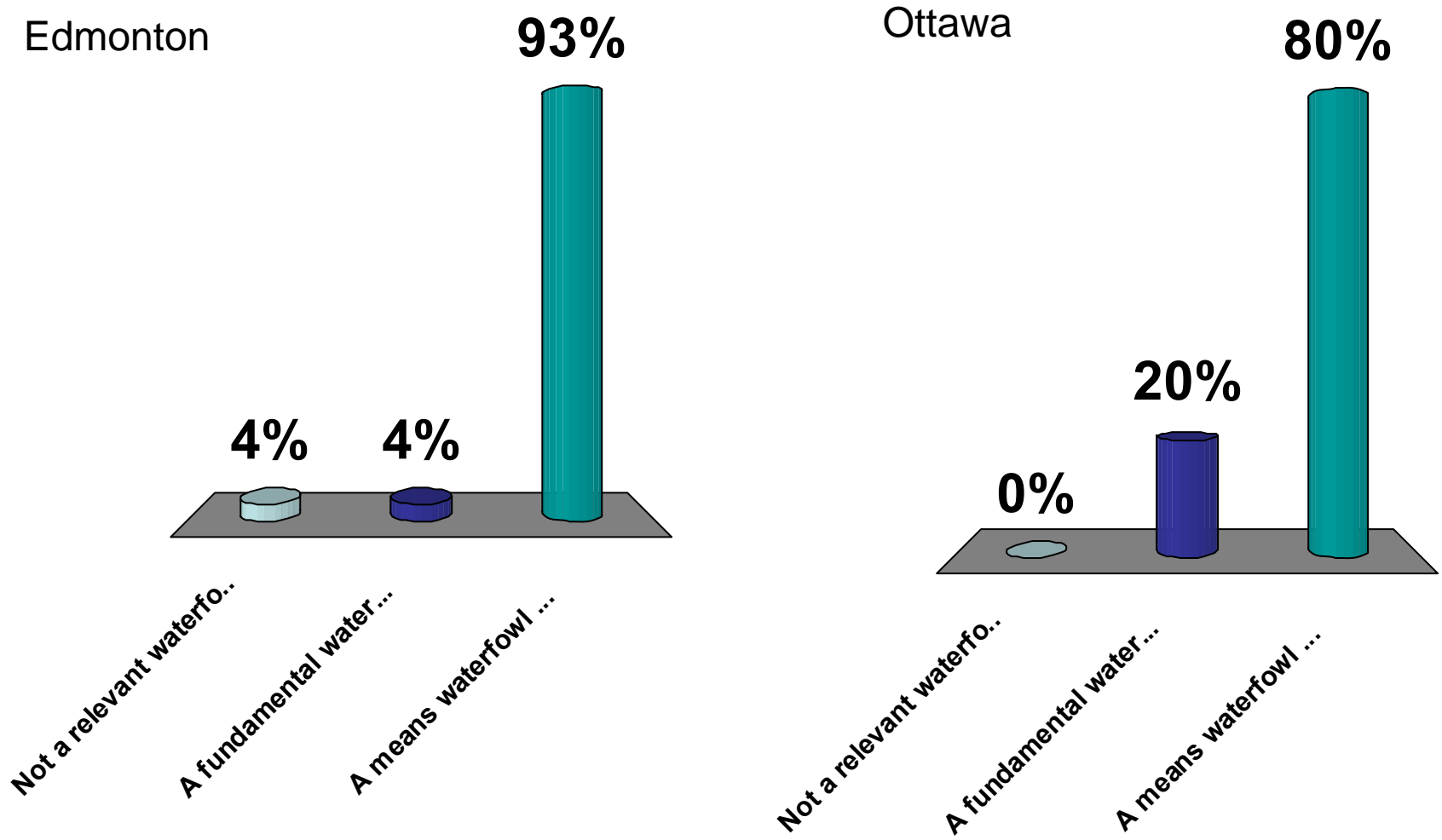
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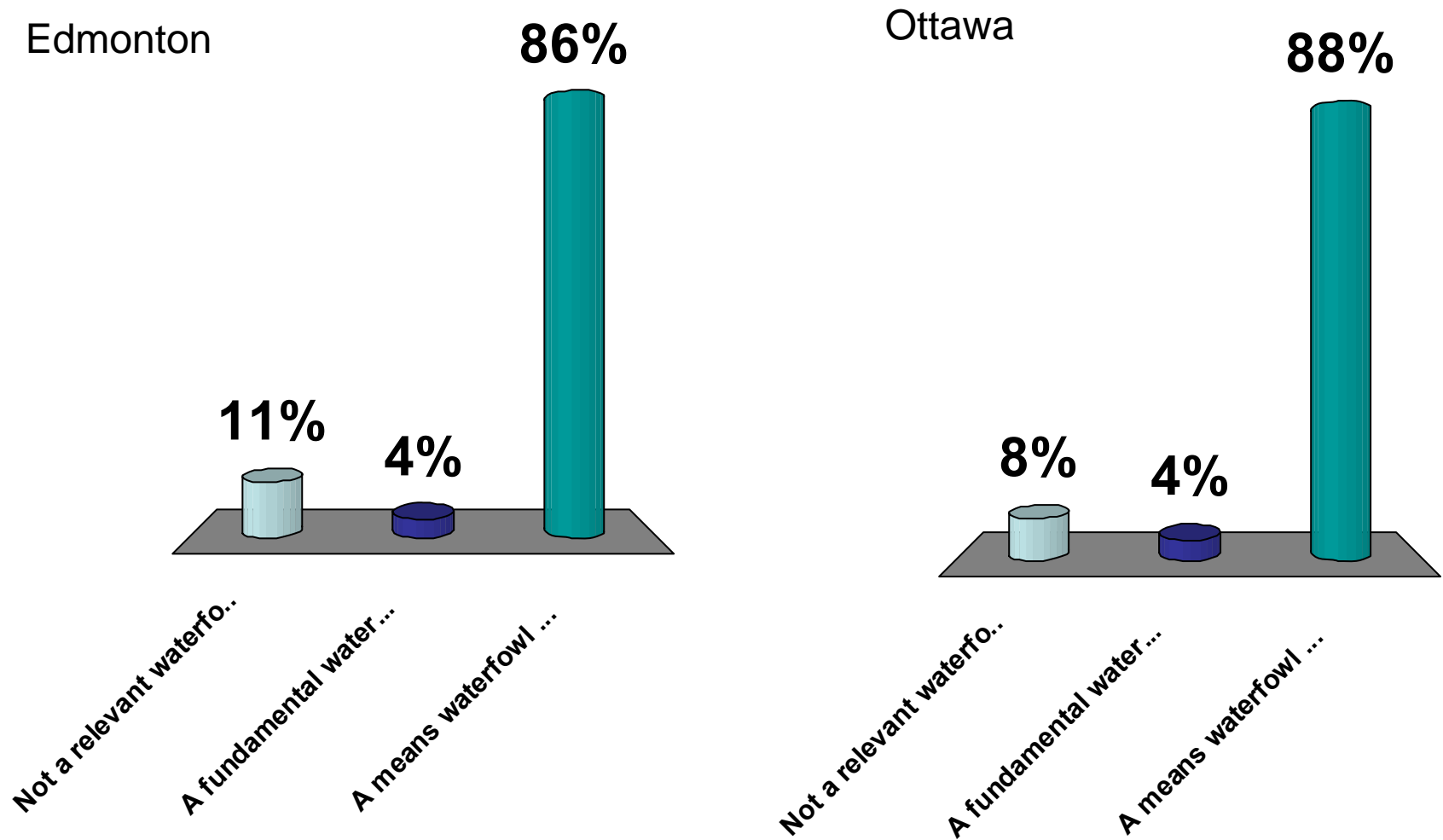
20. Ensure cooperation among jurisdictions (state, flyway, partners, etc.)



21. Increase and improve duck wintering habitat

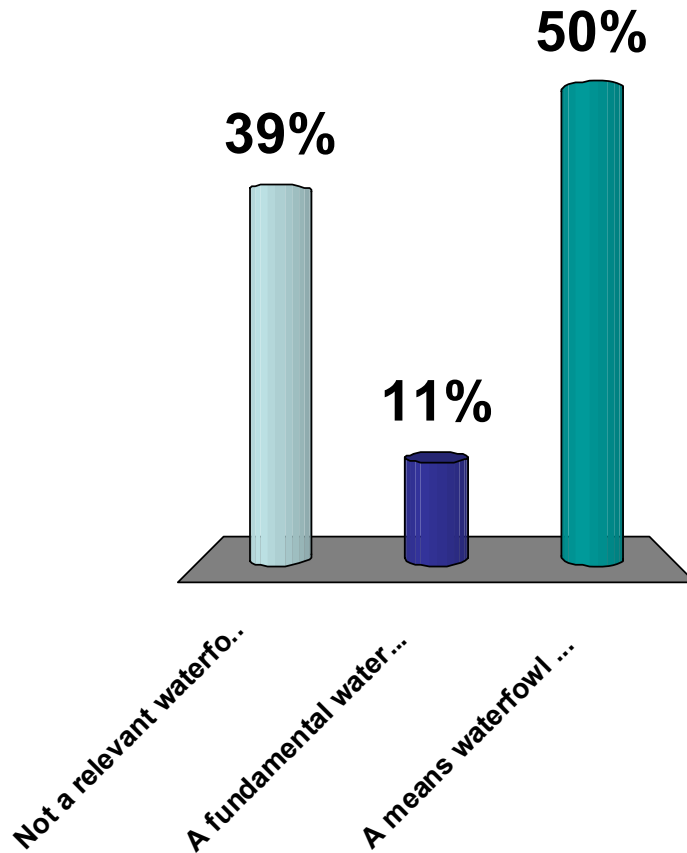


22. Maximize the efficiency and effectiveness of the infrastructure and funding for waterfowl conservation

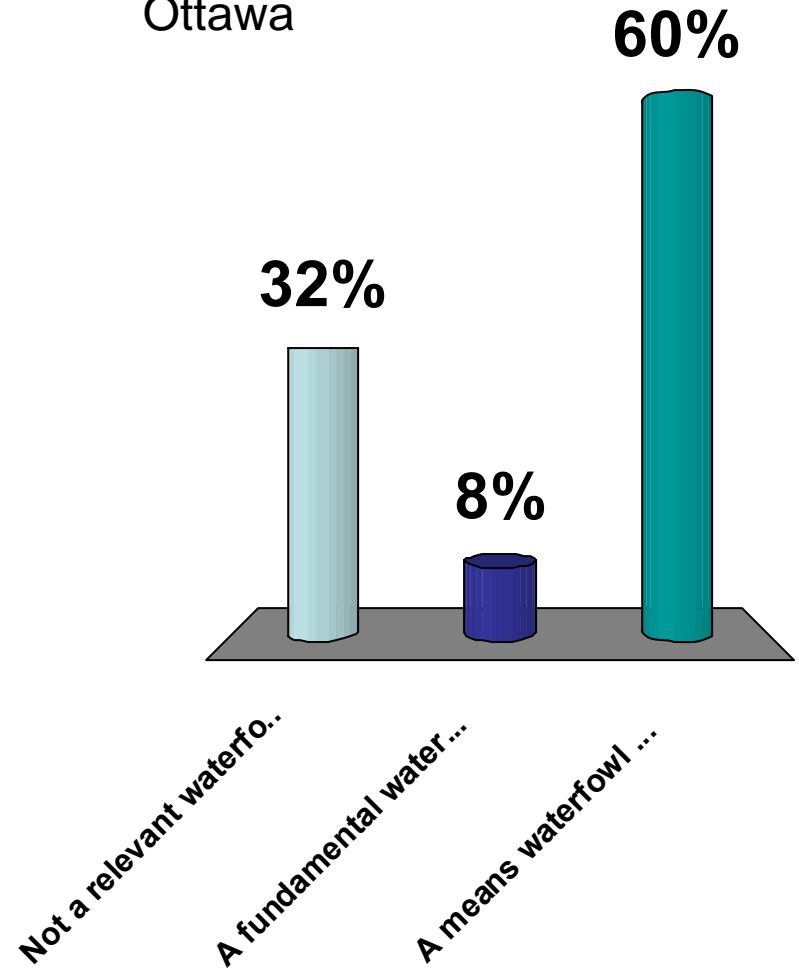


23. Provide maximum hunting opportunity

Edmonton

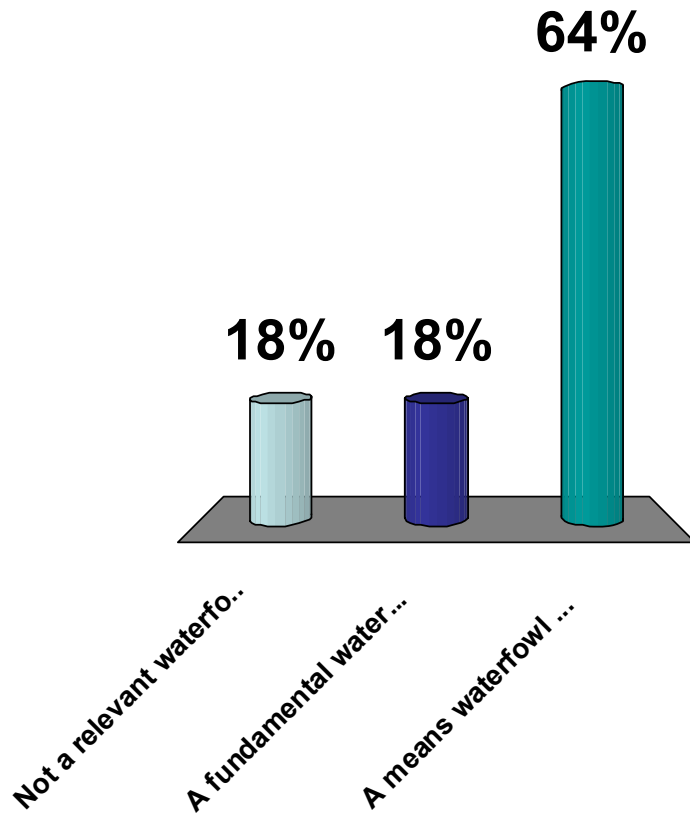


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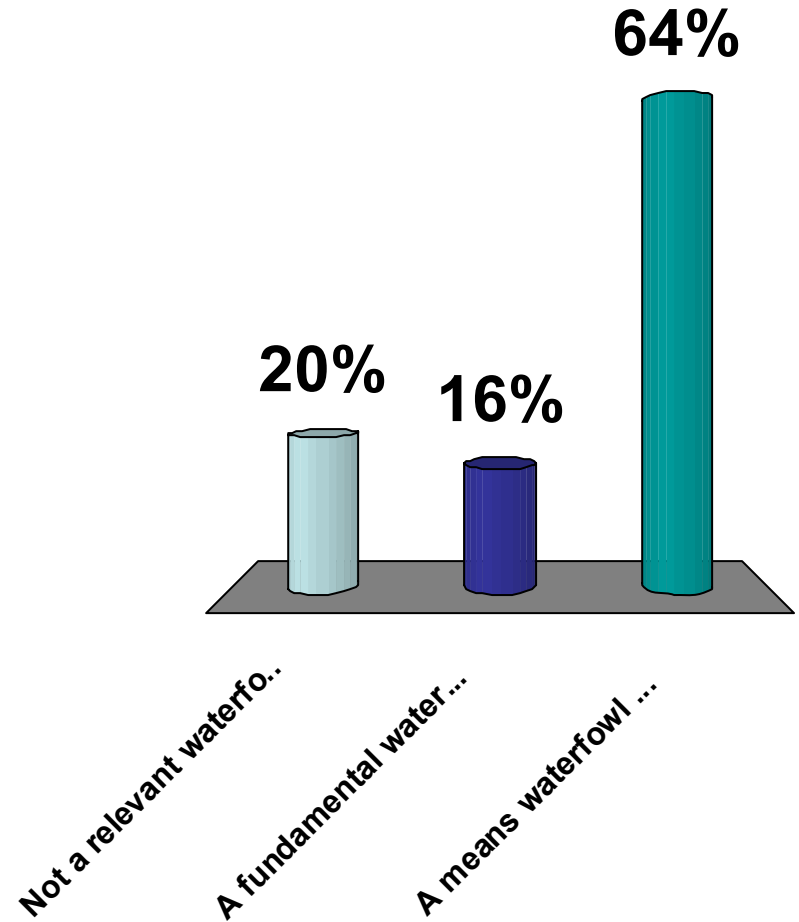


24. Maintain the social license to hunt

Edmonton

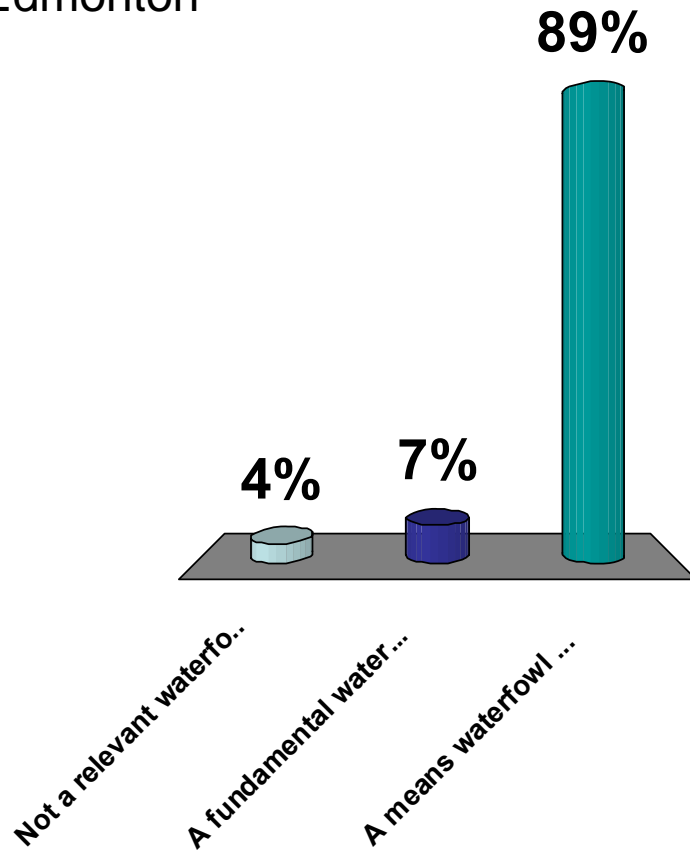


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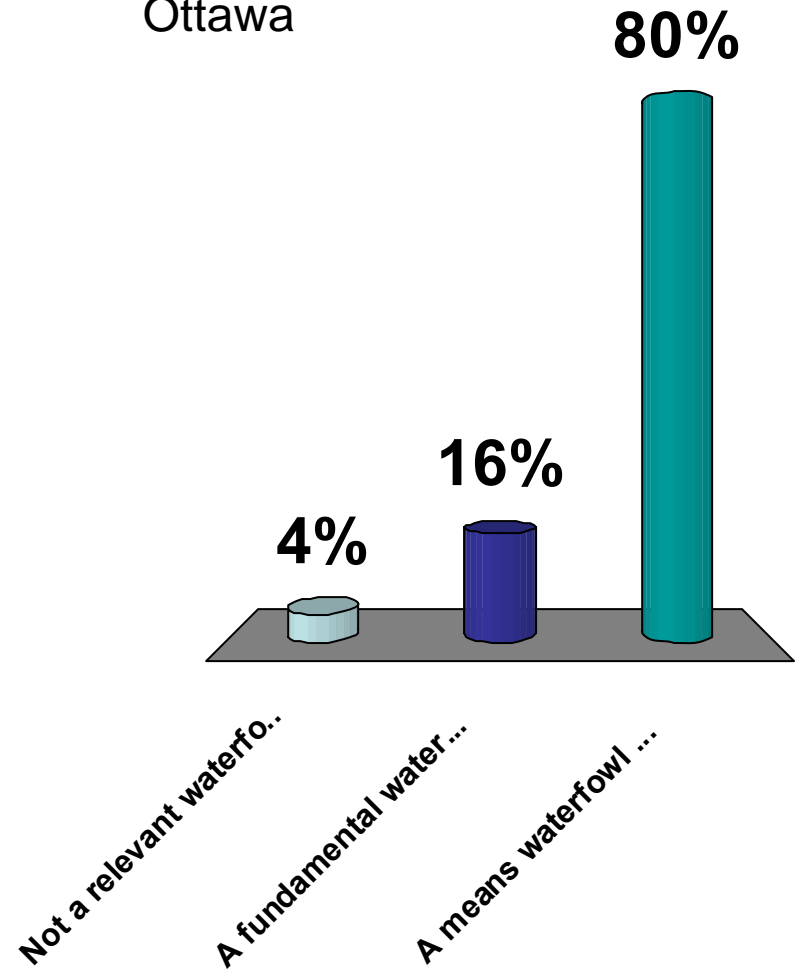


25. Increase duck recruitment

Edmonton

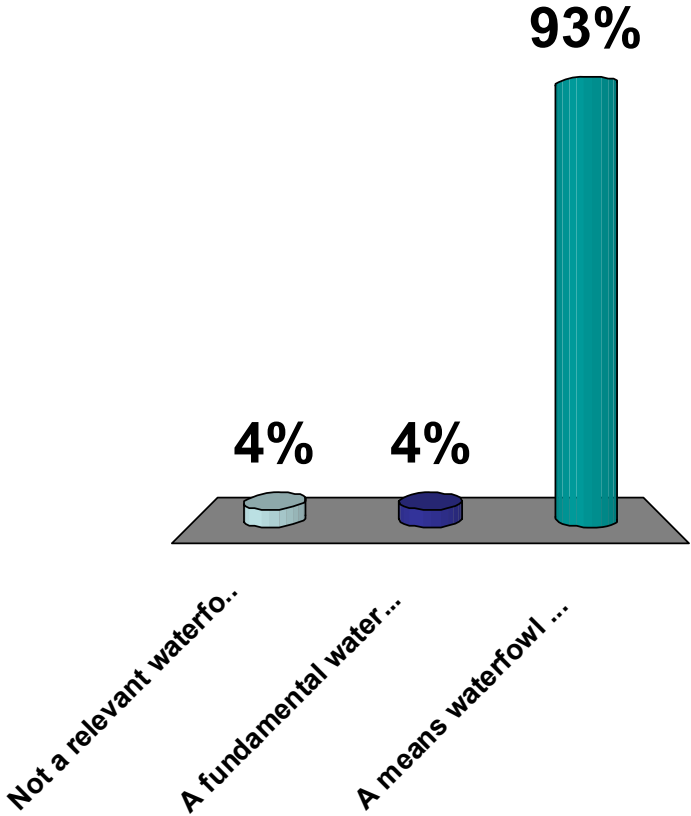


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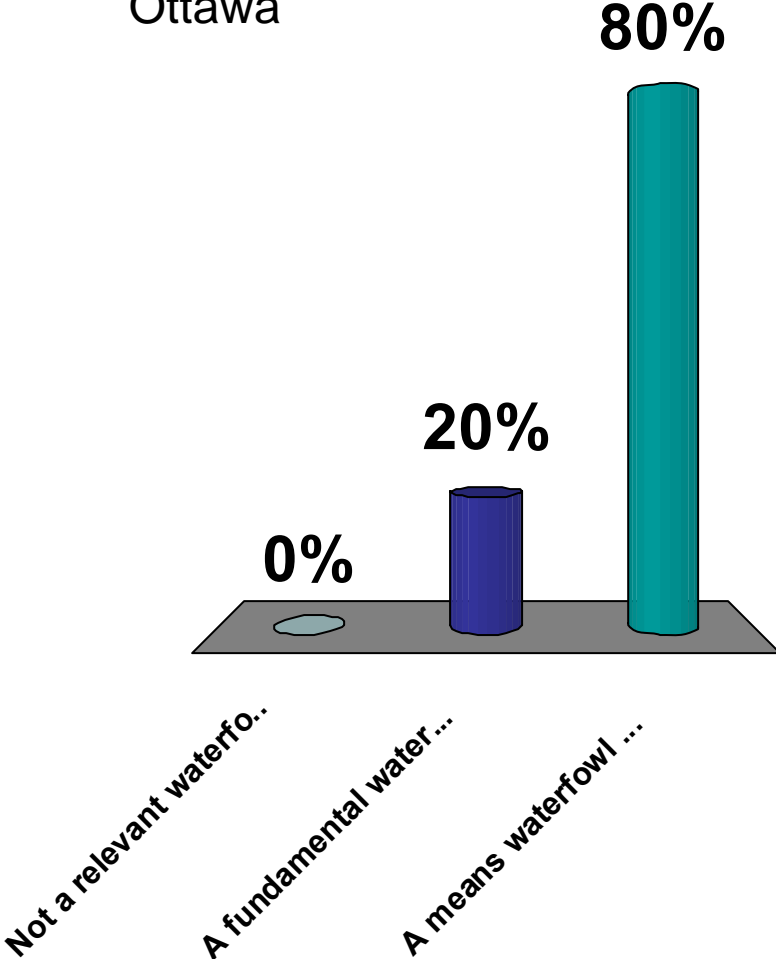


26. Increase and improve duck migration habitat

Edmonton

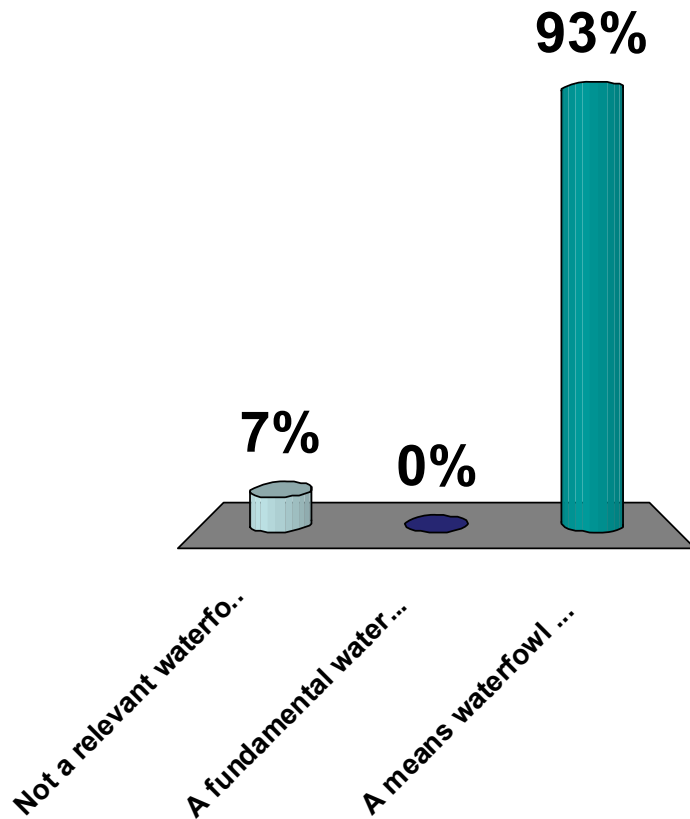


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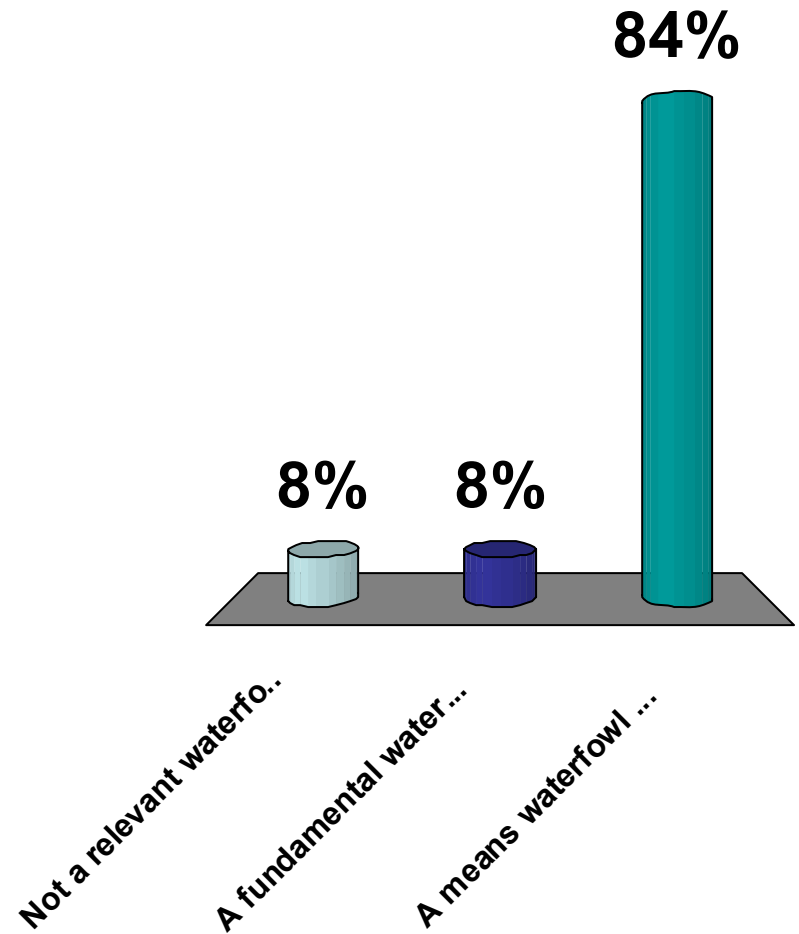


27. Reduce mortality from disease and contaminants

Edmonton

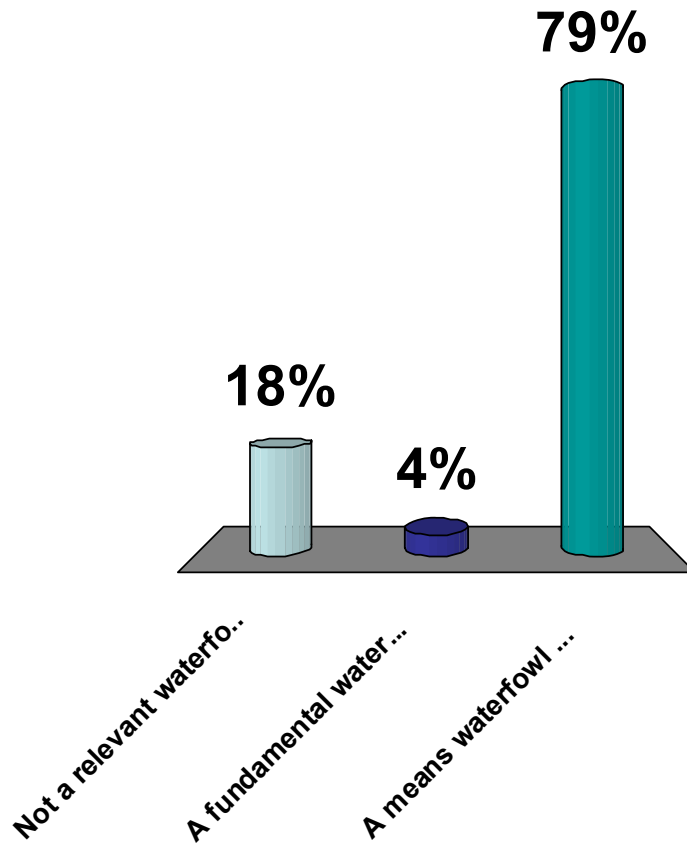


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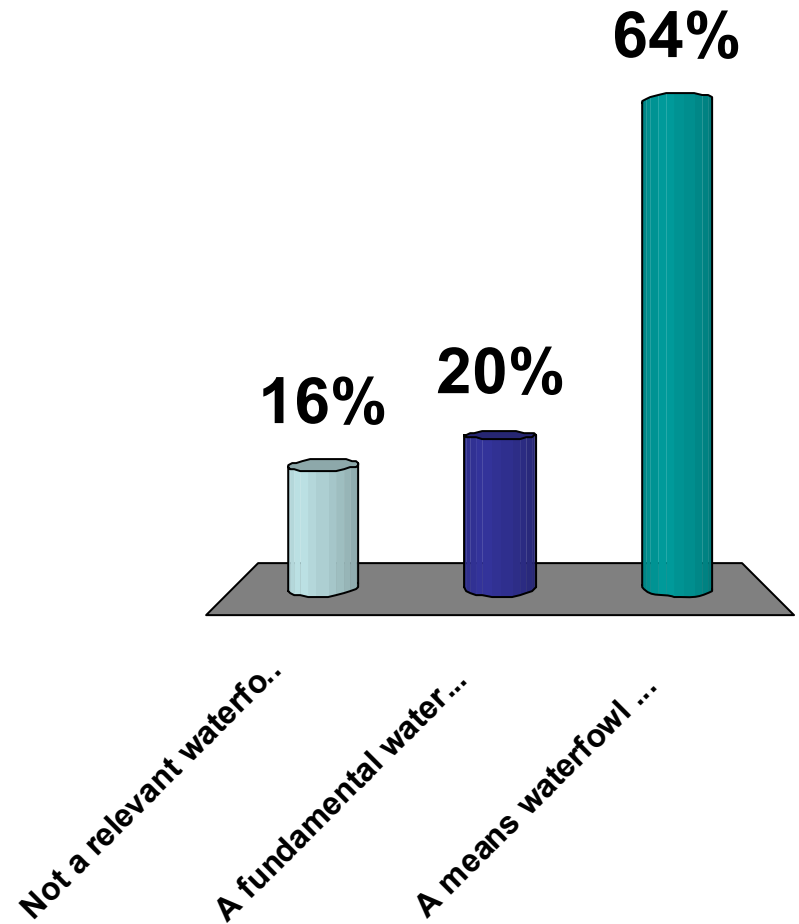


28. Maintain a broad fall and winter distribution of waterfowl

Edmonton

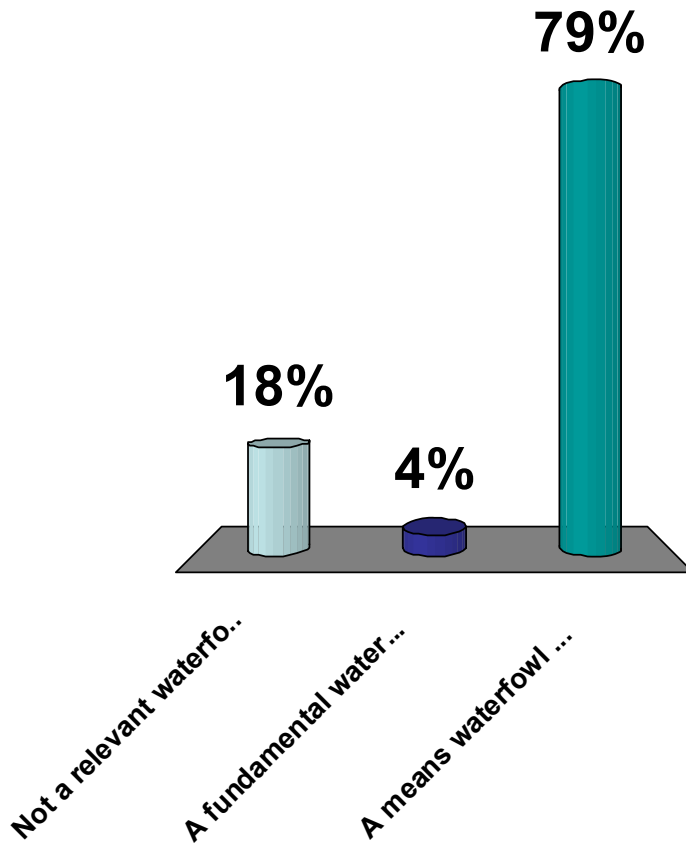


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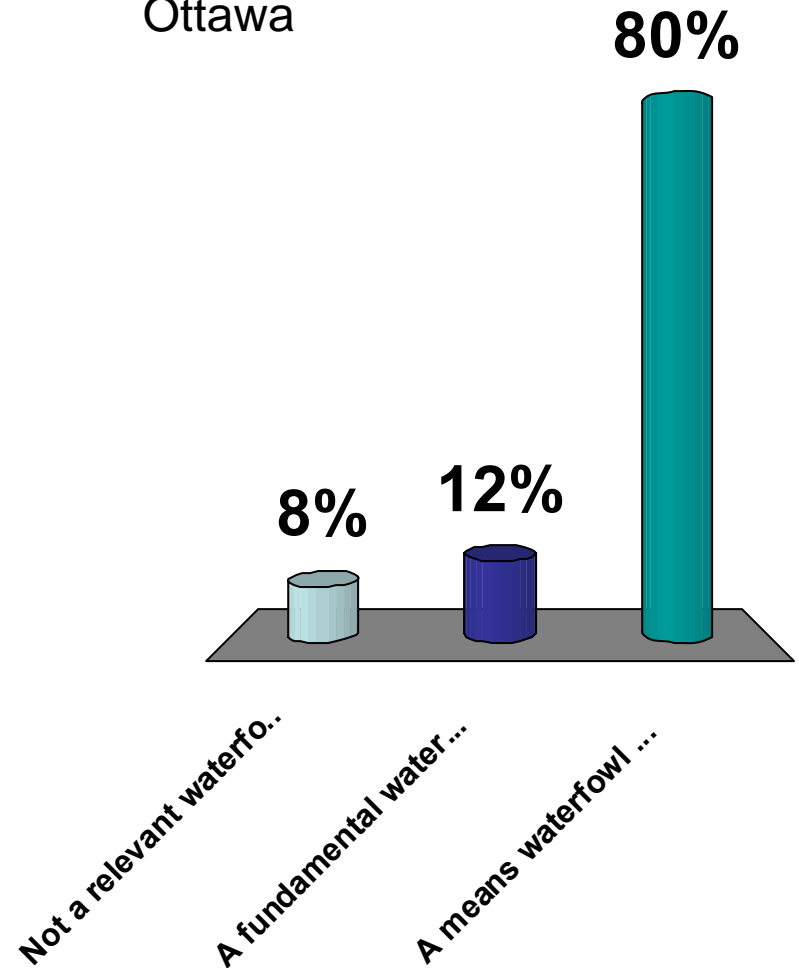


29. Establish the infrastructure needed to ensure coherence in waterfowl management

Edmonton

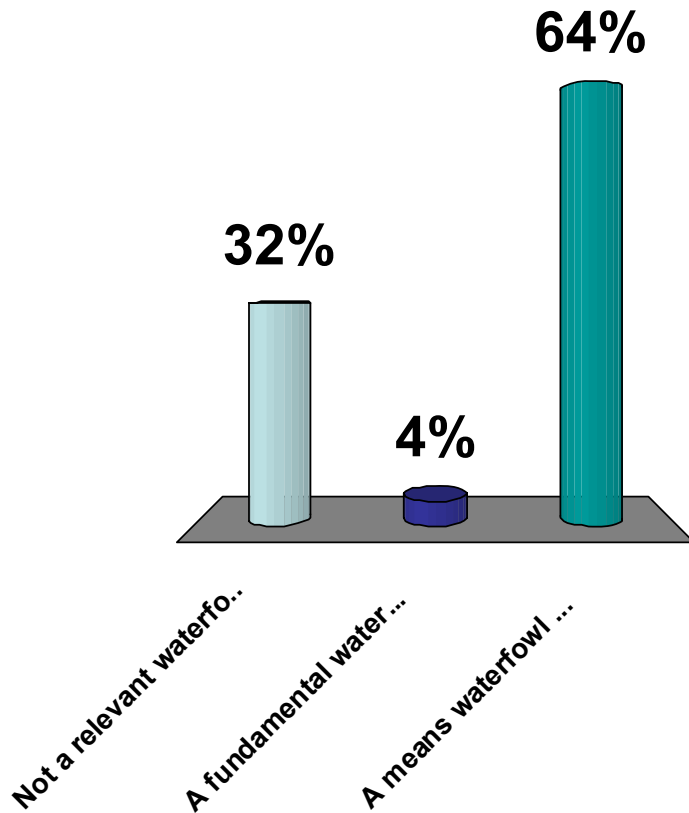


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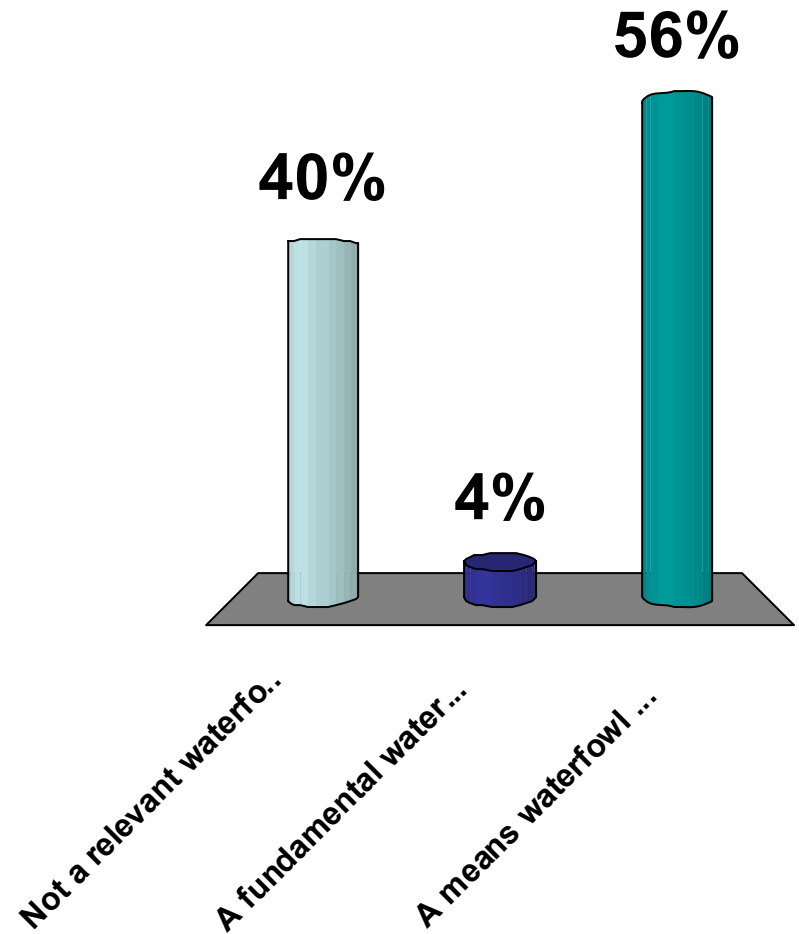


30. Formalize the institutions needed to incorporate human dimensions into waterfowl management decisions

Edmonton

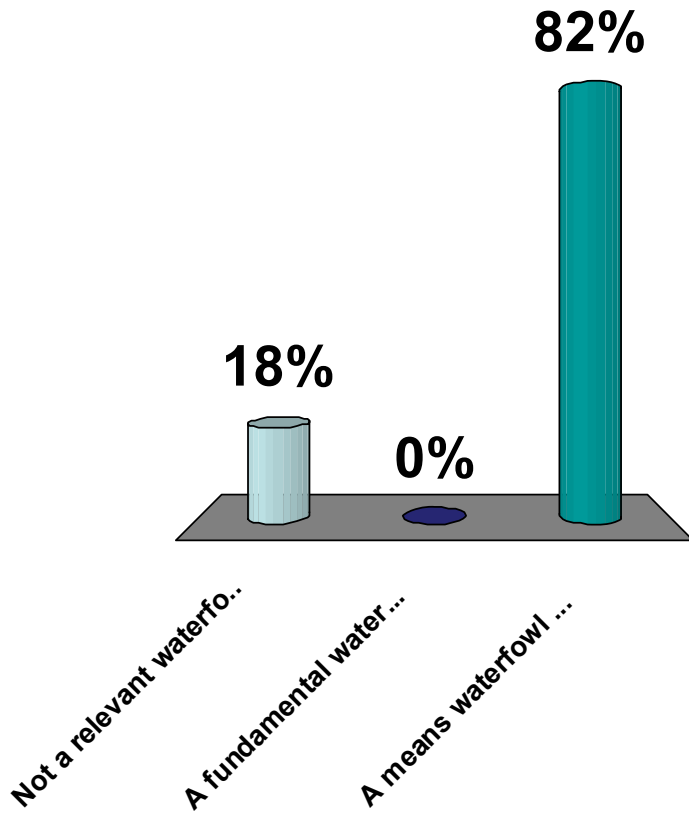


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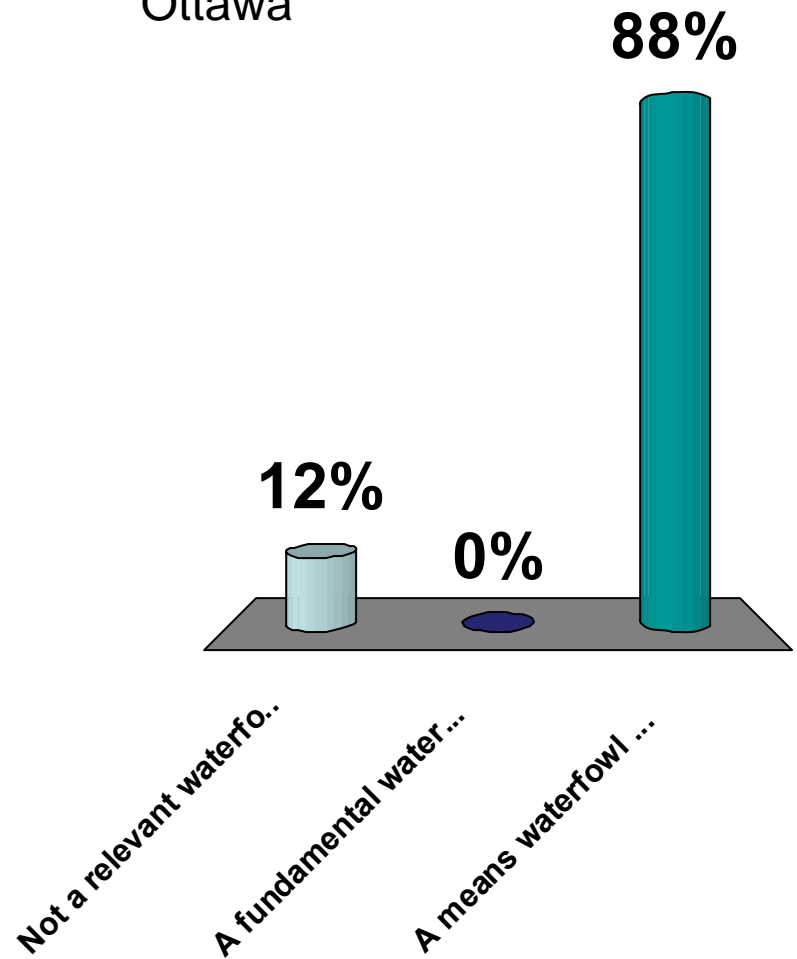


31. Increase hunter education and communications efforts

Edmonton



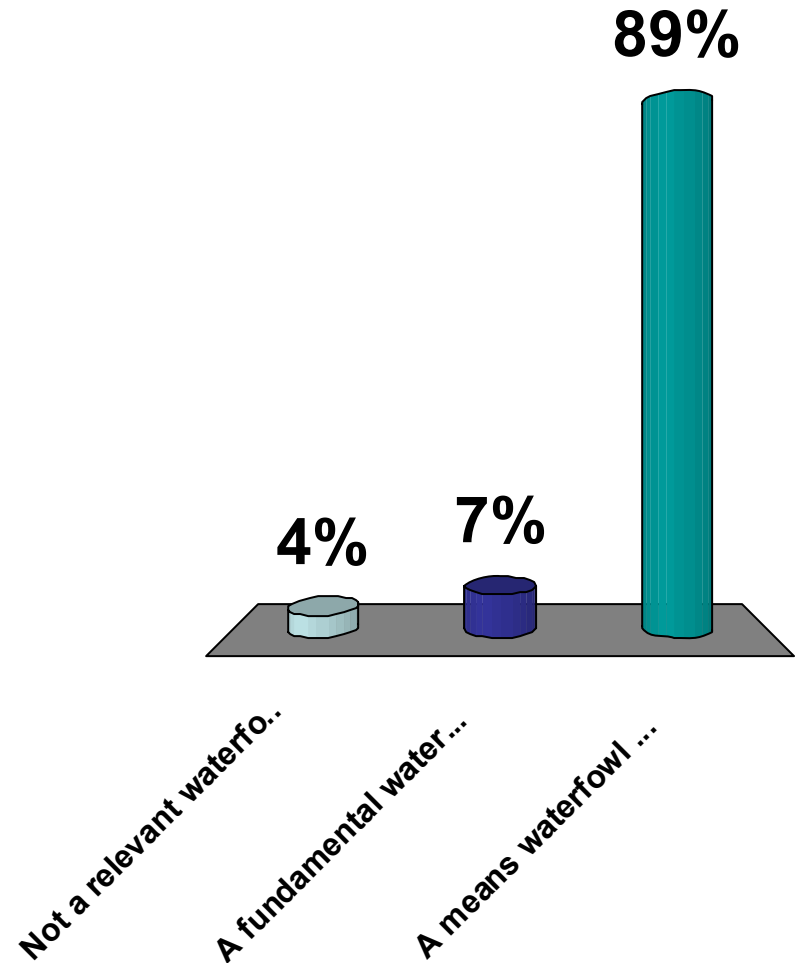
Ottawa



Edmonton additions

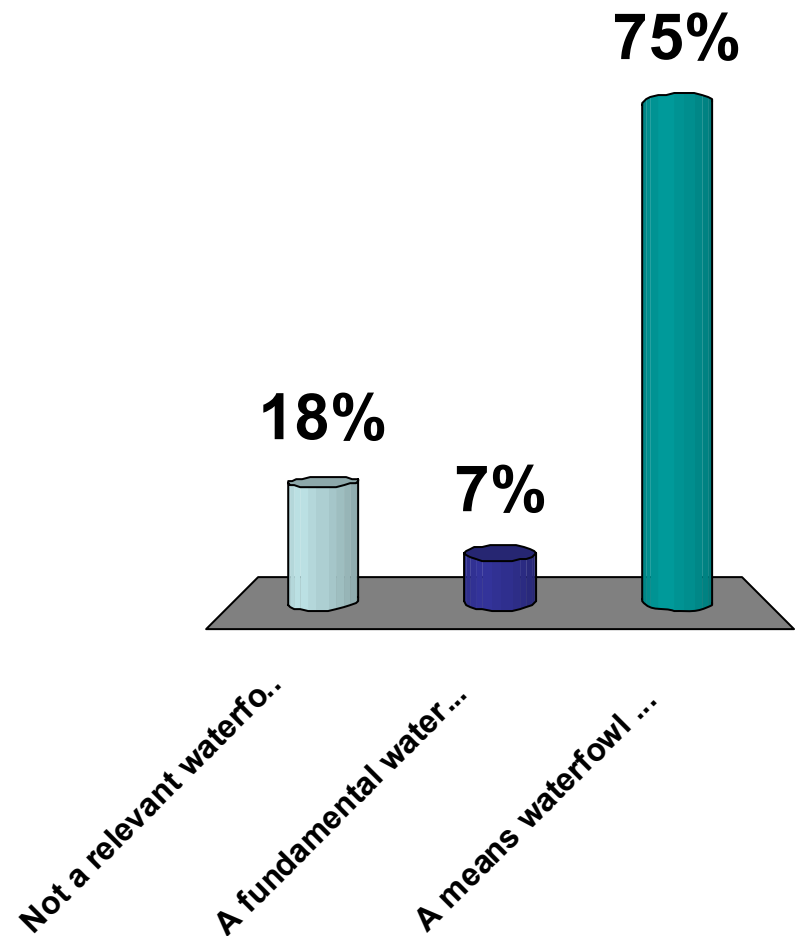
32. Increase the understanding of the role of human dimensions in waterfowl management decisions.

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



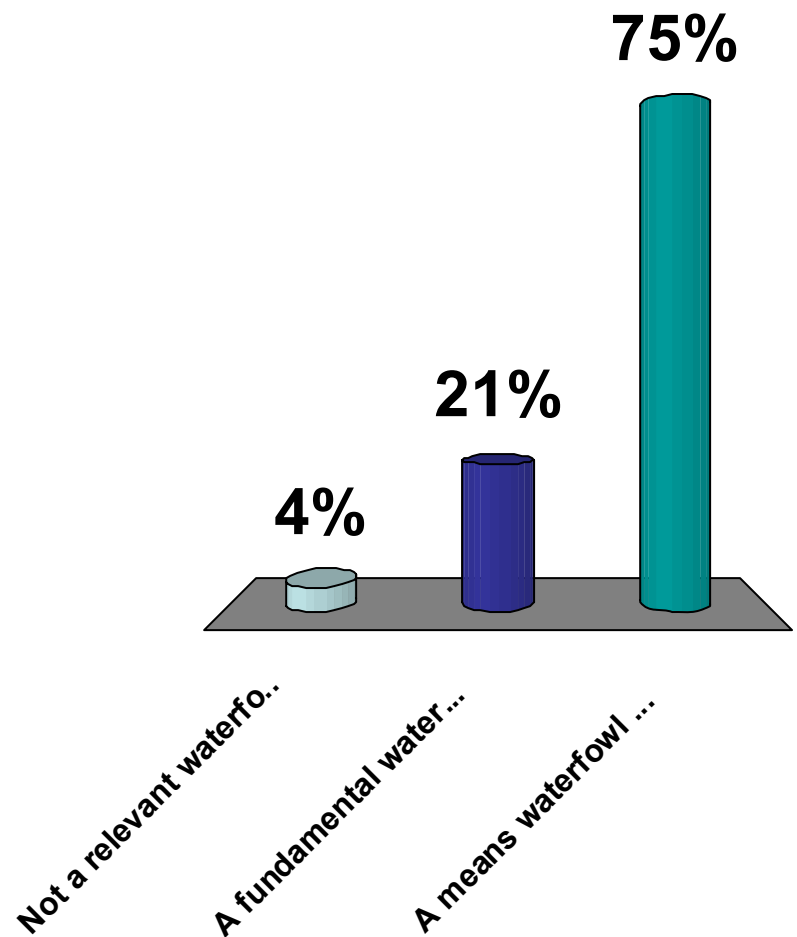
33. Increase stakeholder communications effort.

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



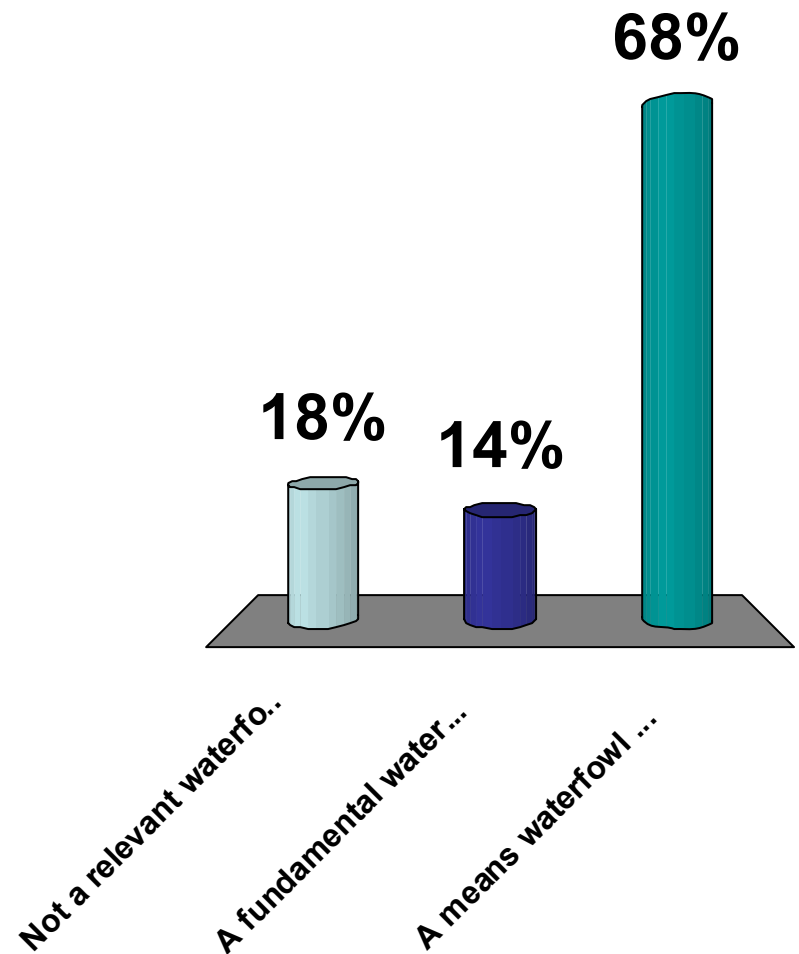
34. Increase restoration of wetlands and associated upland habitats.

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



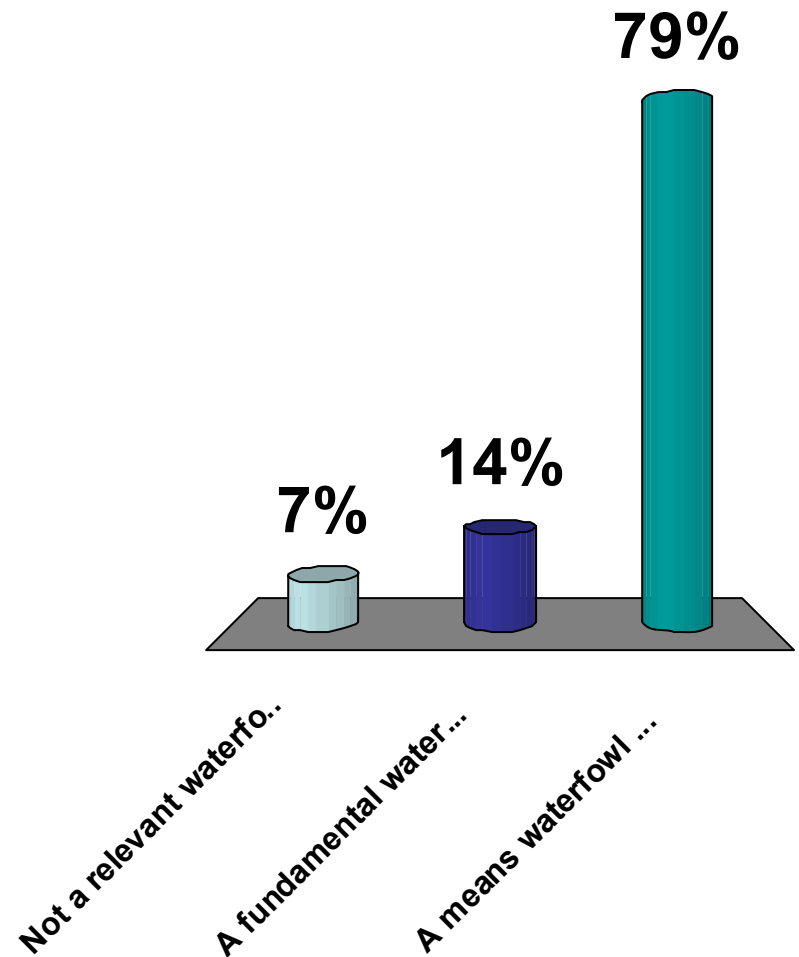
35. Collaborate/integrate the NAWMP with other environmental initiatives.

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



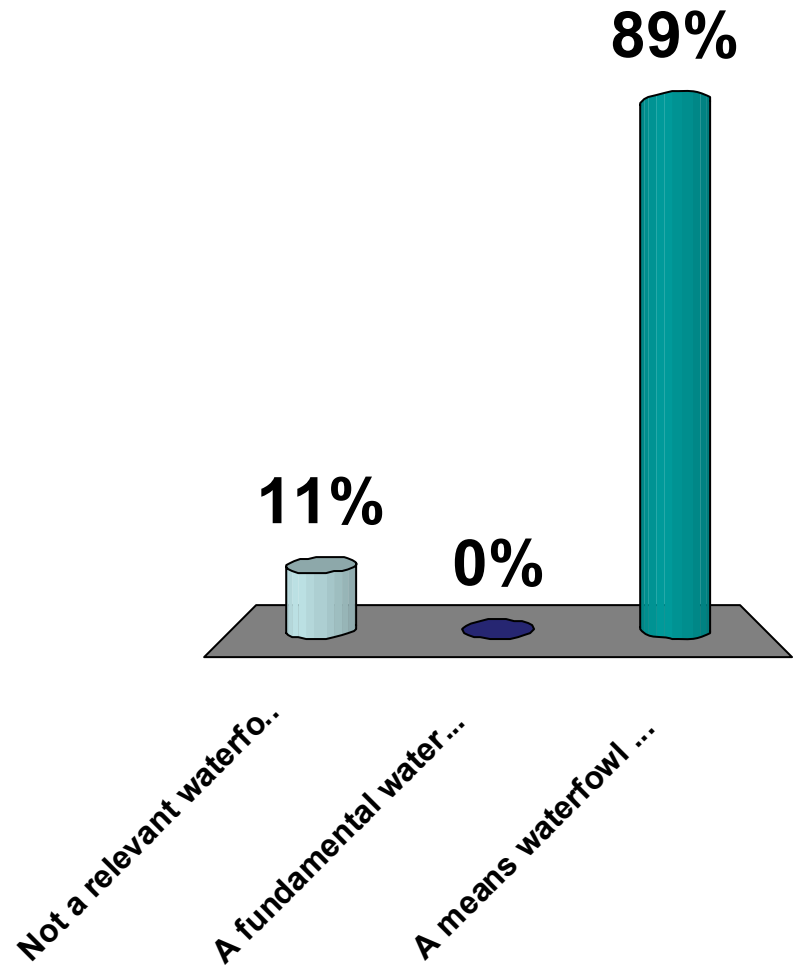
36. Ensure the NAWMP is adaptable to long term changes in environmental conditions e.g. climate change.

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



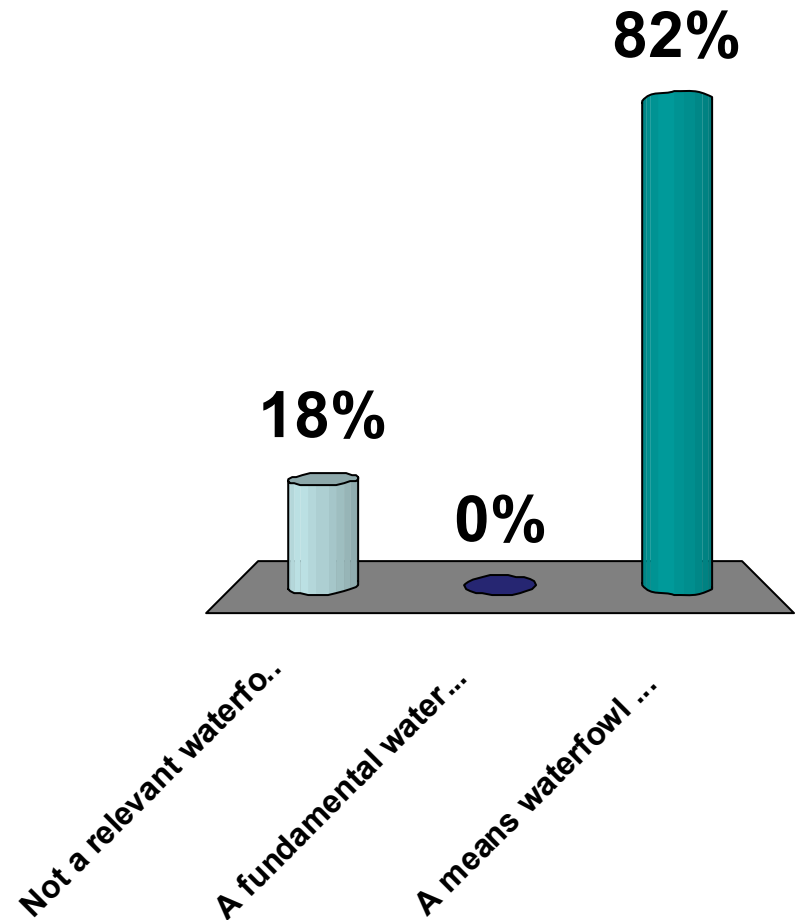
37. Minimize impediments to new hunter recruitment.

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



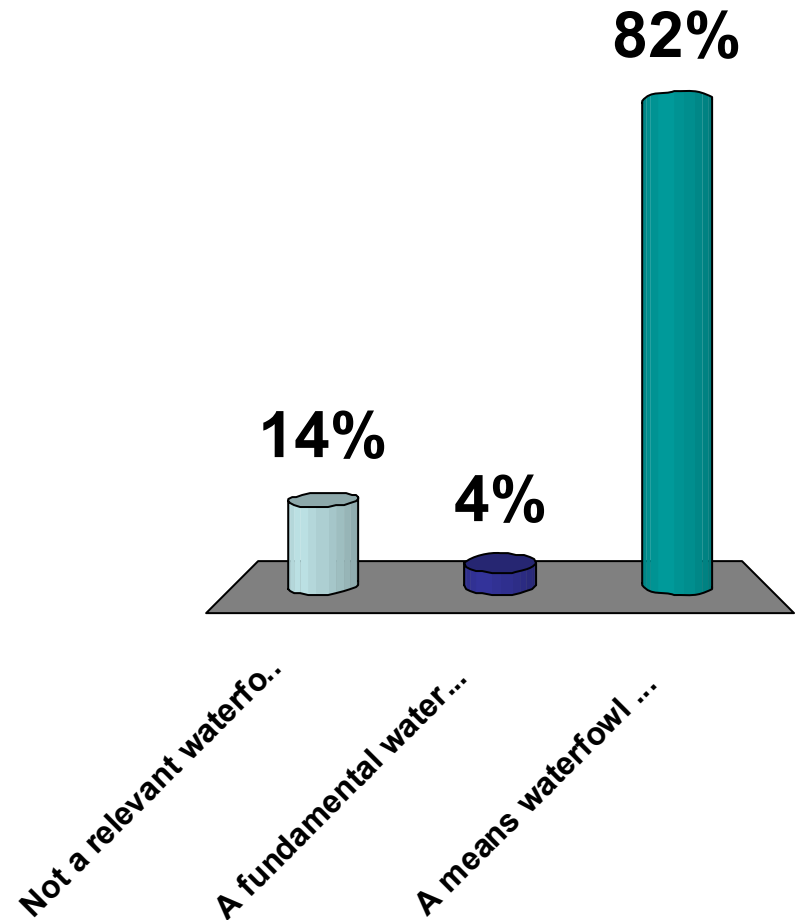
38. Maximize harvest of overabundant species while maintaining public support.

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



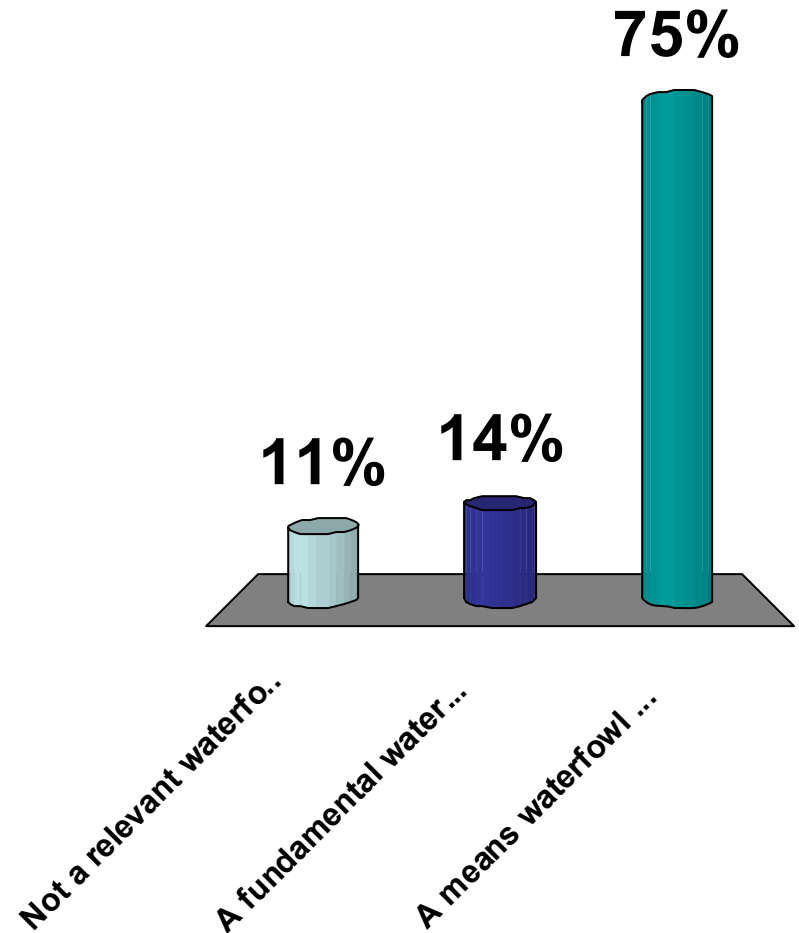
39. Effective management/control of non-native invasive waterfowl and plant species

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



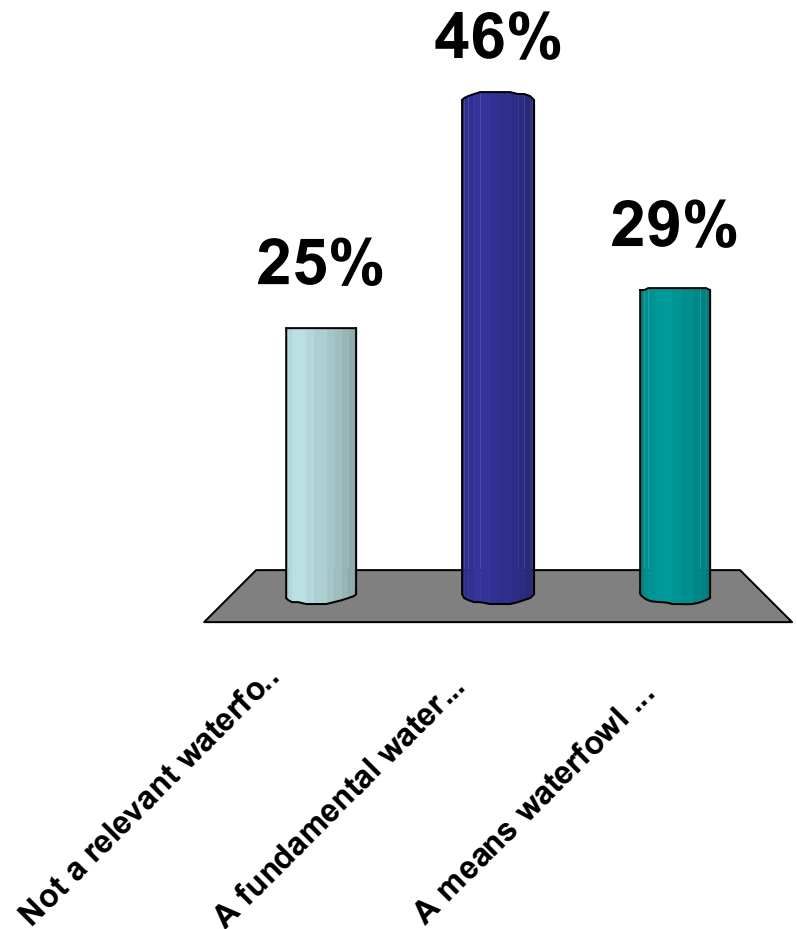
40. Increased engagement with private land owners

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



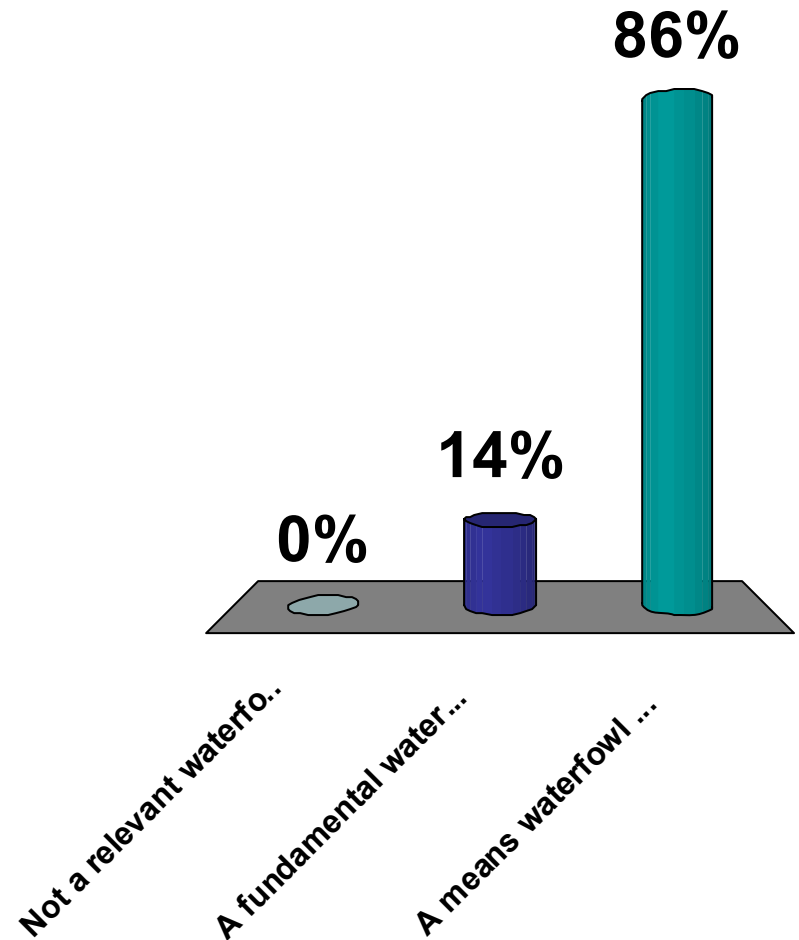
41. Maximize conservation of biodiversity while managing wetlands and associated uplands for waterfowl

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



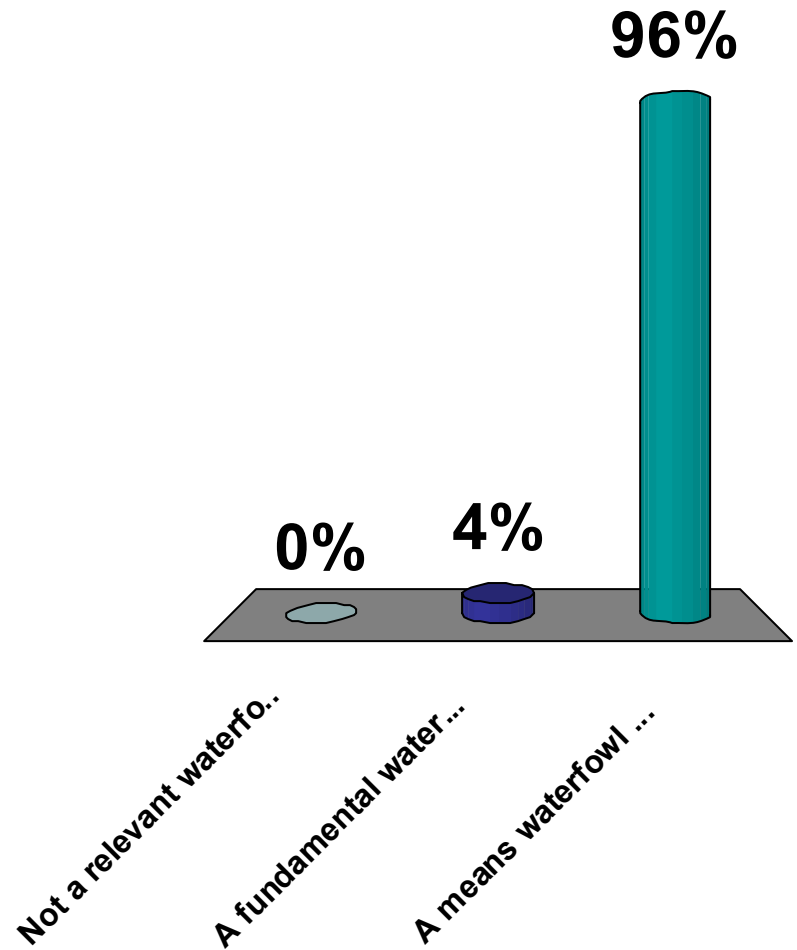
42. Maintain and establish land managers' support for conserving wetlands and associated uplands.

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



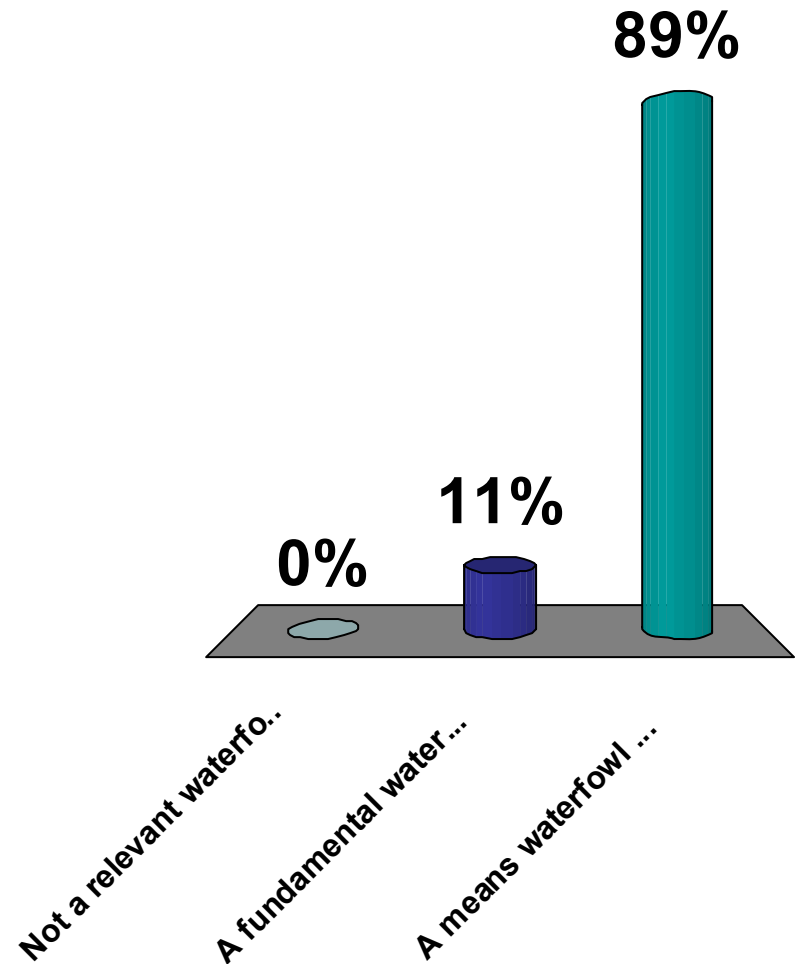
43. Expand partnerships that fund and deliver waterfowl conservation initiatives.

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
2. A fundamental waterfowl management objective
3. A means waterfowl management objective

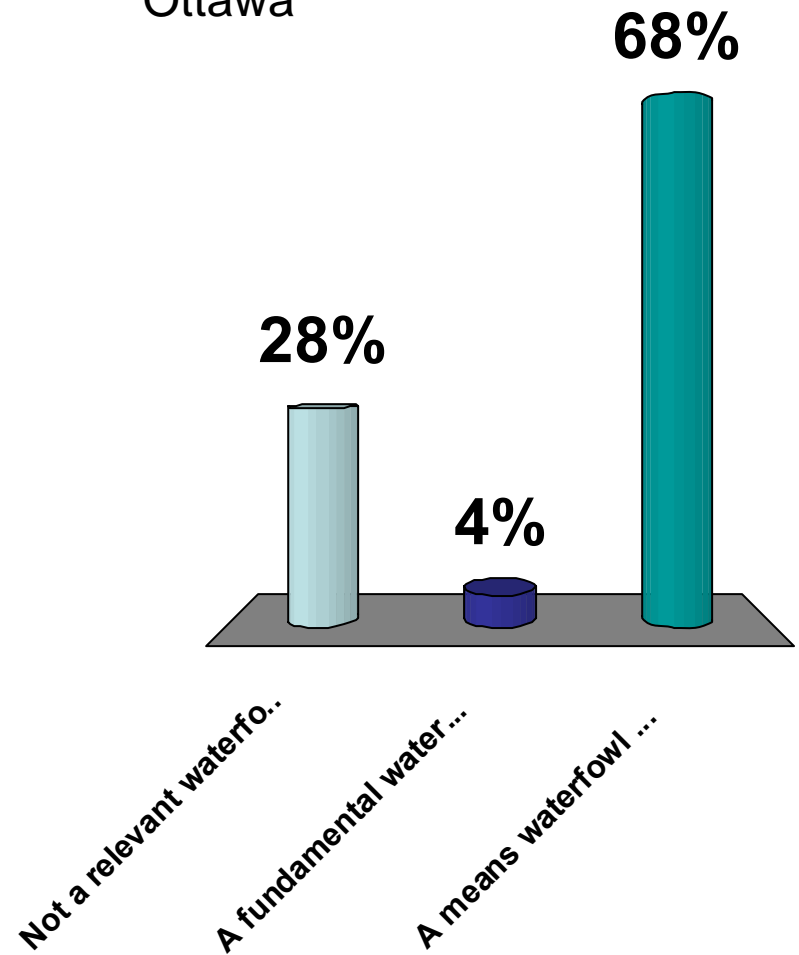


Ottawa additions

32. Deal with issues of public concern about wildfowl diseases that could be transmitted to humans and livestock (human health)

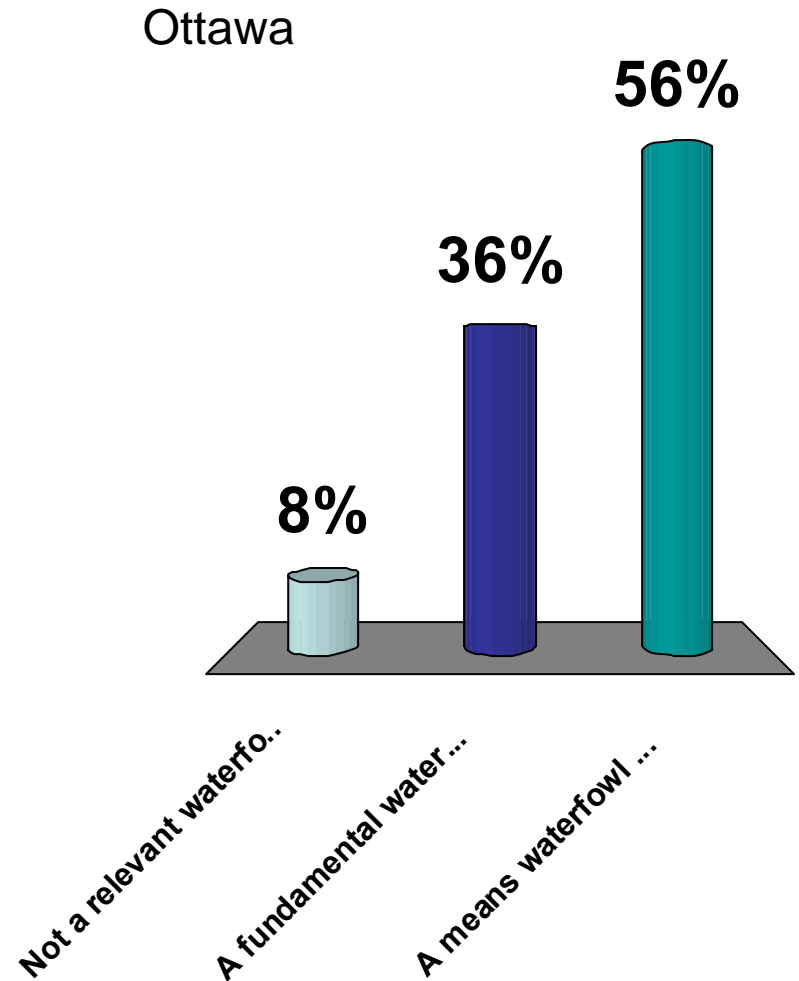
Edmonton

Ottawa



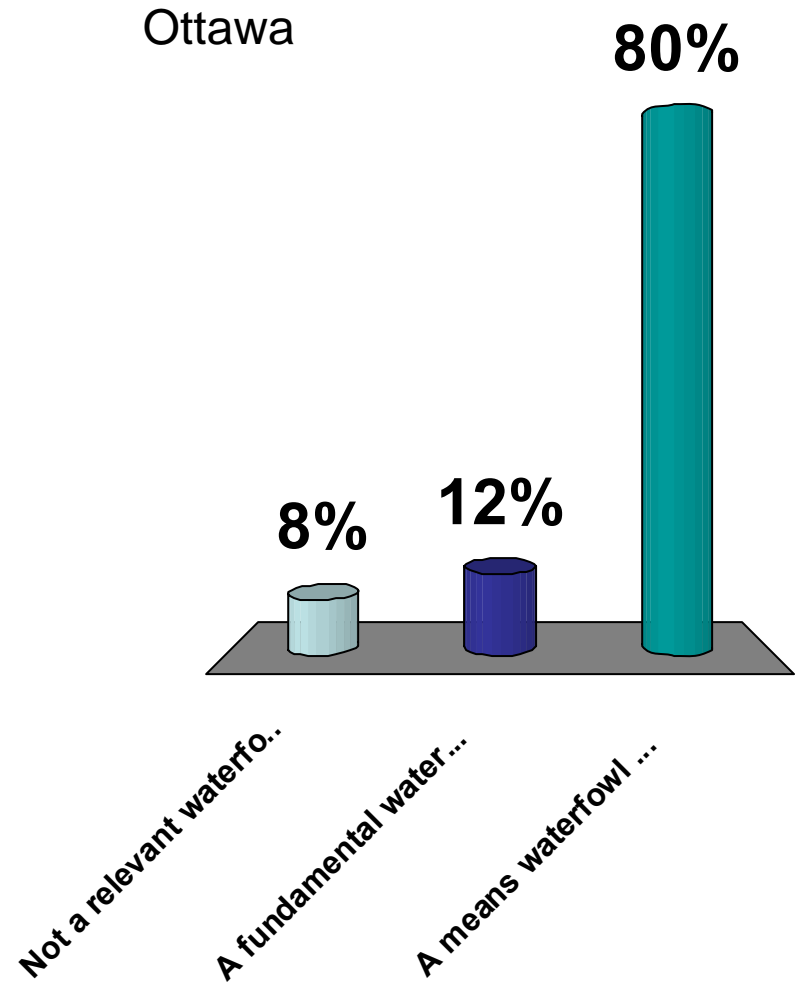
33. Maximize the benefits to biodiversity derived from wetlands and associated uplands managed for waterfowl

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



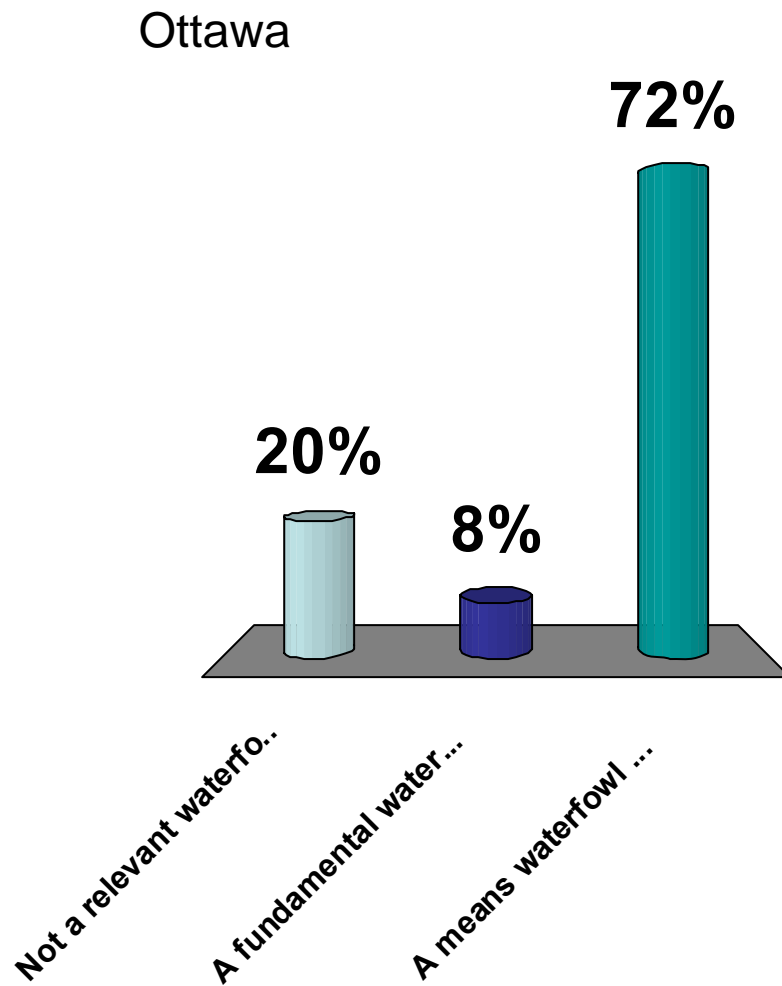
34. Develop and implement monitoring and evaluation programs to measure progress against NAWMP objectives (continental, local)

1. ^{Evidence} Not a relevant waterfowl management objective
2. A fundamental waterfowl management objective
3. A means waterfowl management objective



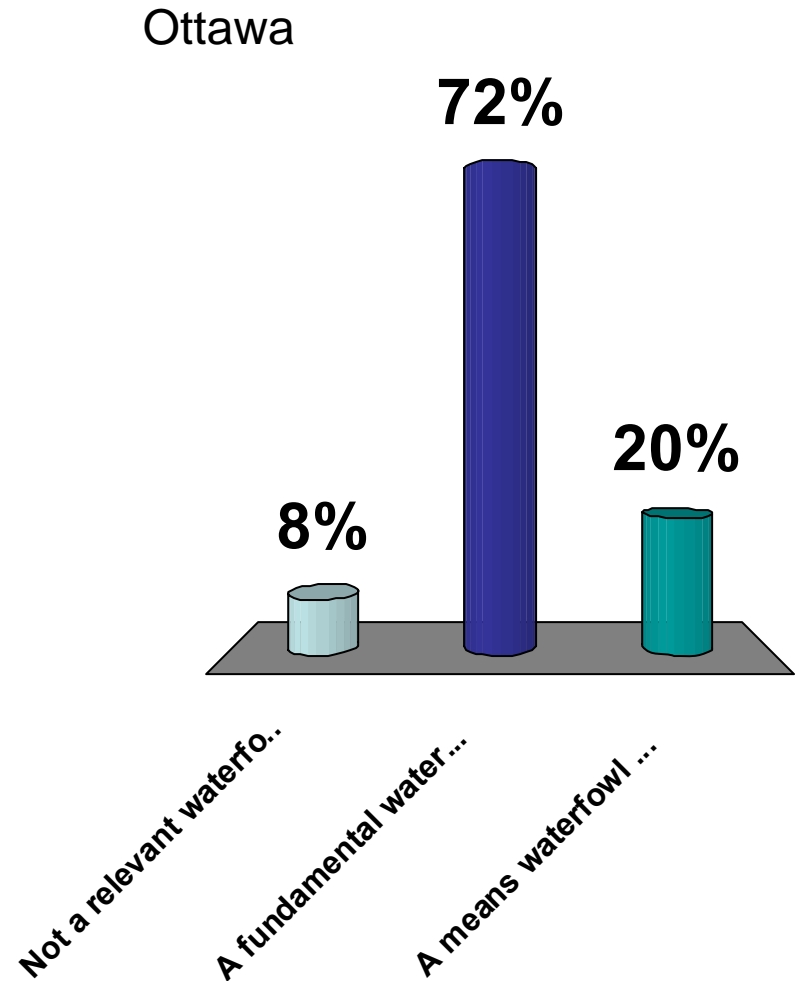
35. Ensure monitoring programs are sufficient to detect large scale changes in distributions of populations that may arise through effects of climate change.

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



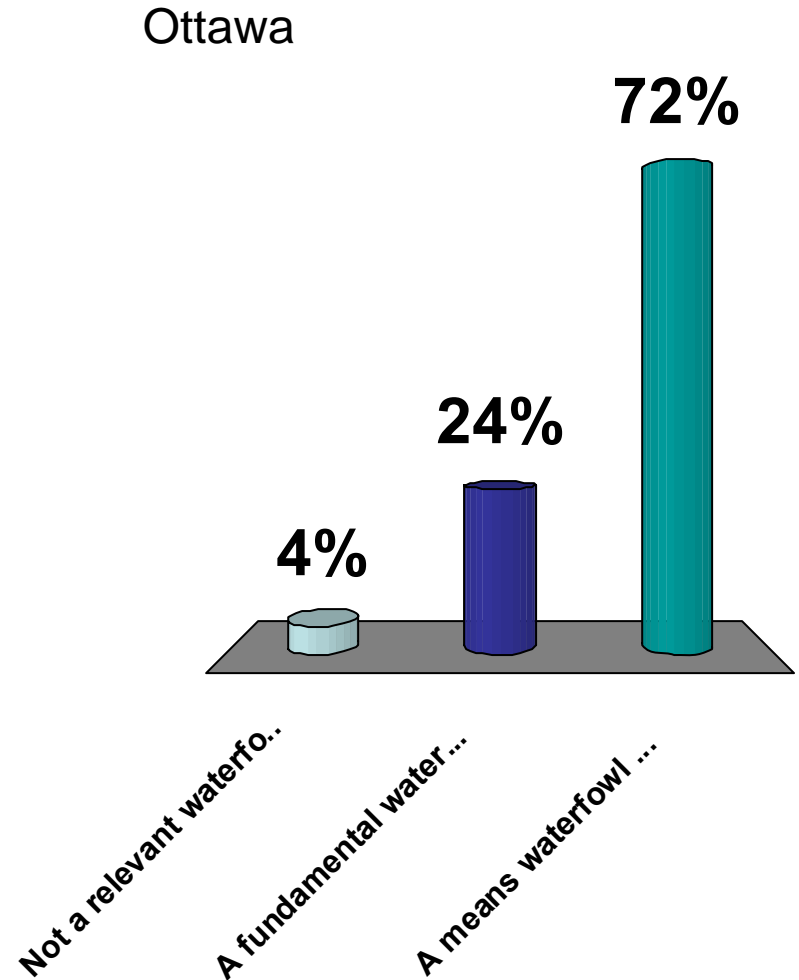
36. To provide waterfowl populations adequate to meet the requirements of waterfowlers, aboriginal peoples and other users.

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



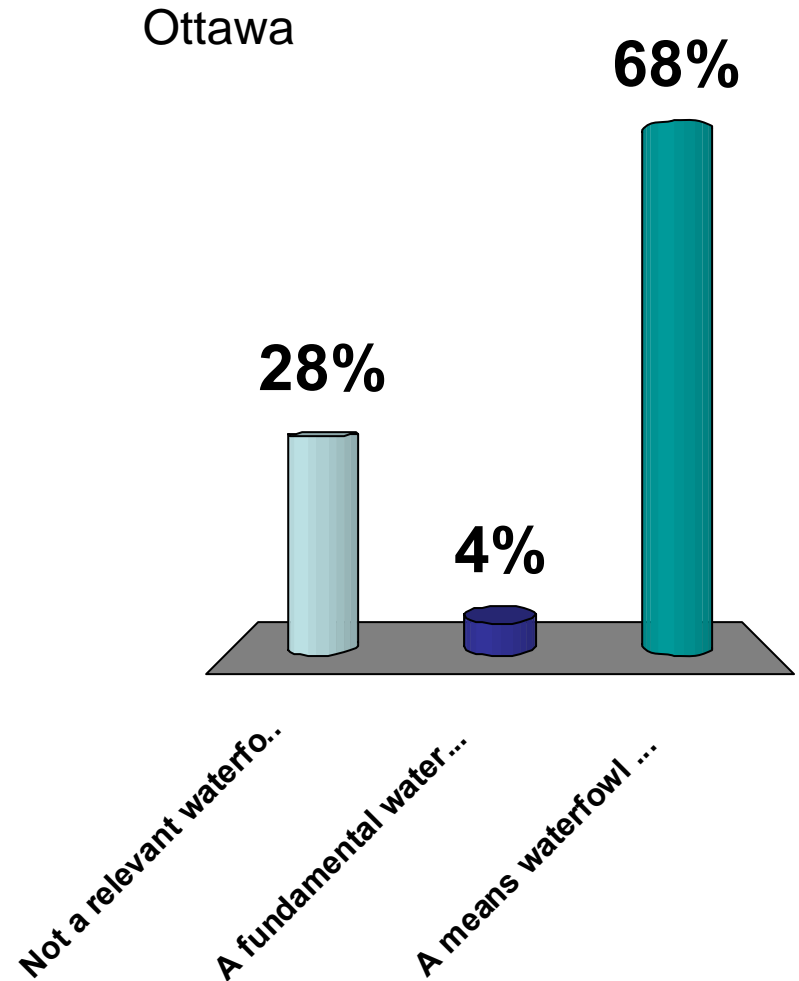
37. Working with landowners and fostering stewardship of habitats essential to waterfowl

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



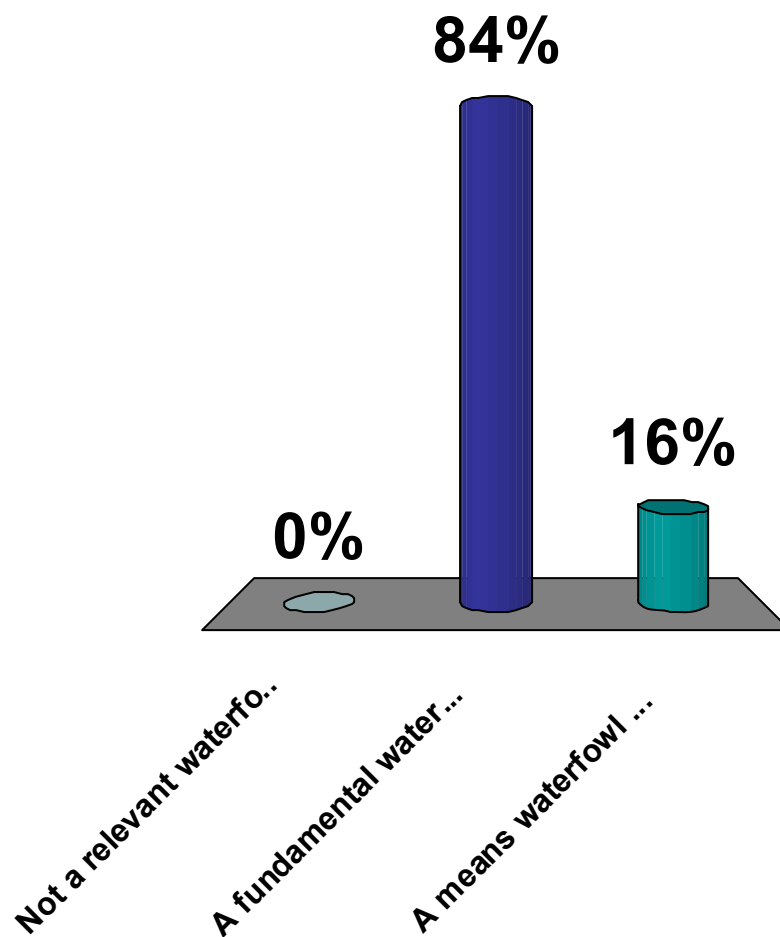
38. Provide more hunting opportunities on public land

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



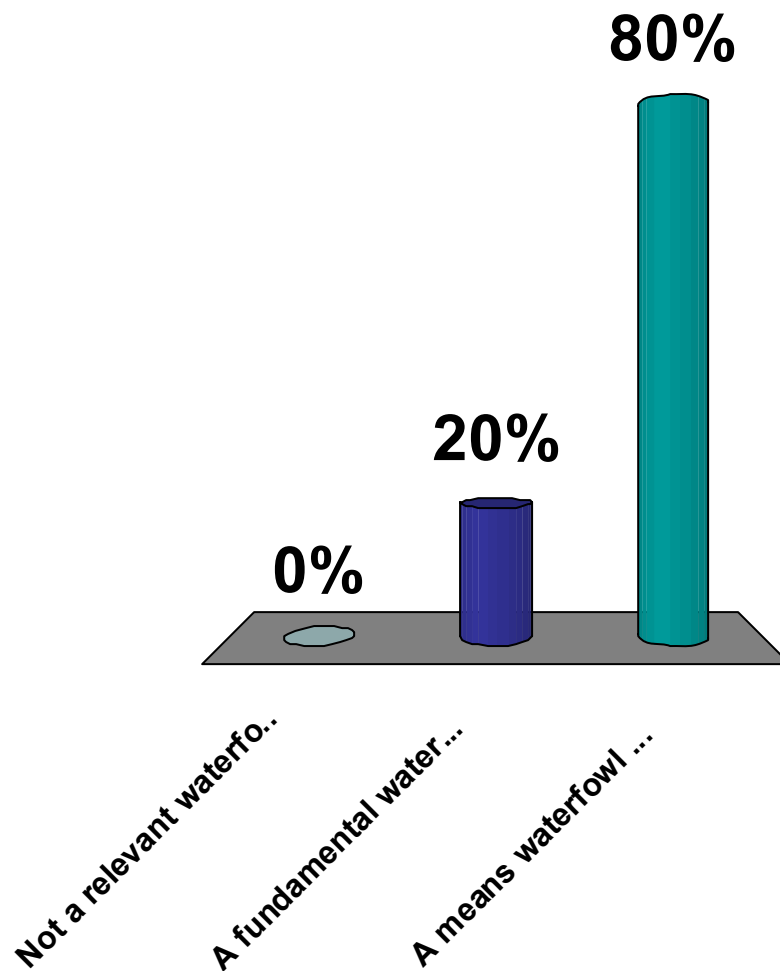
39. Maintain healthy waterfowl populations, species richness, abundance, and distribution as part of NA fauna

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



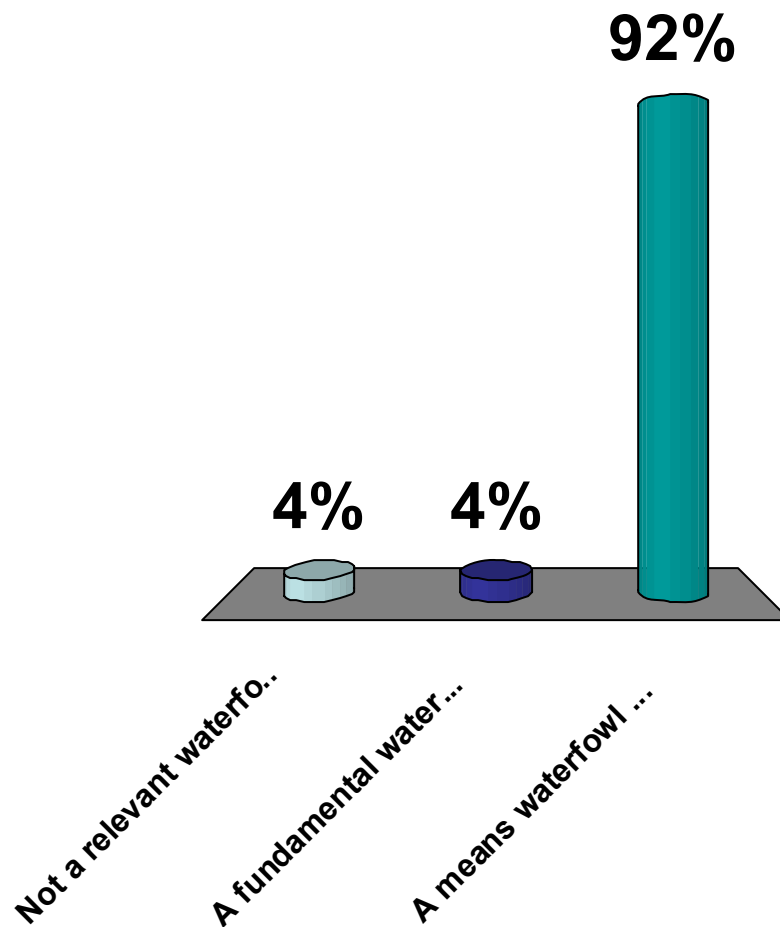
40. Increase political and social support for waterfowl conservation

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



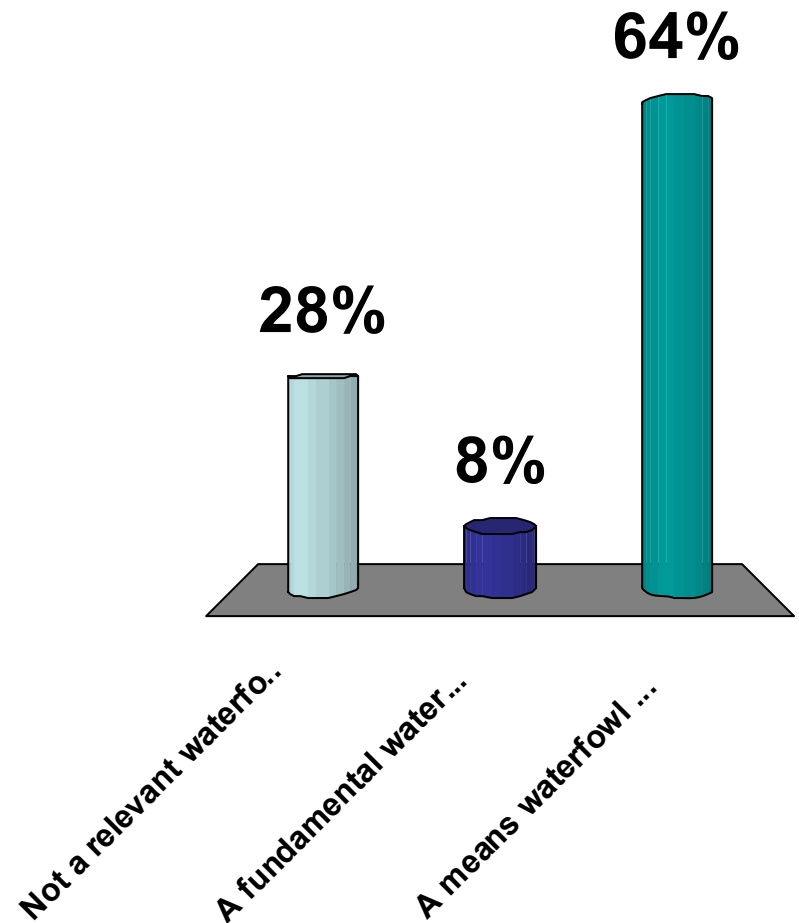
41. Optimize/maximize harvest of over abundant species

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



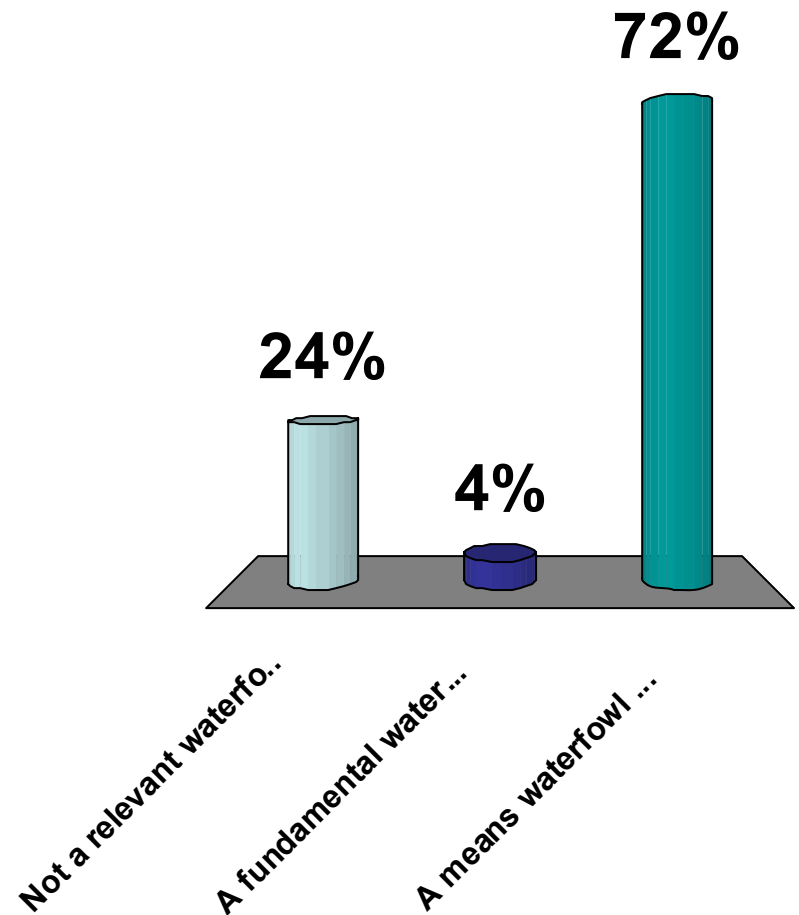
42. Incorporate a client focus culture for the waterfowl management services provided by government

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



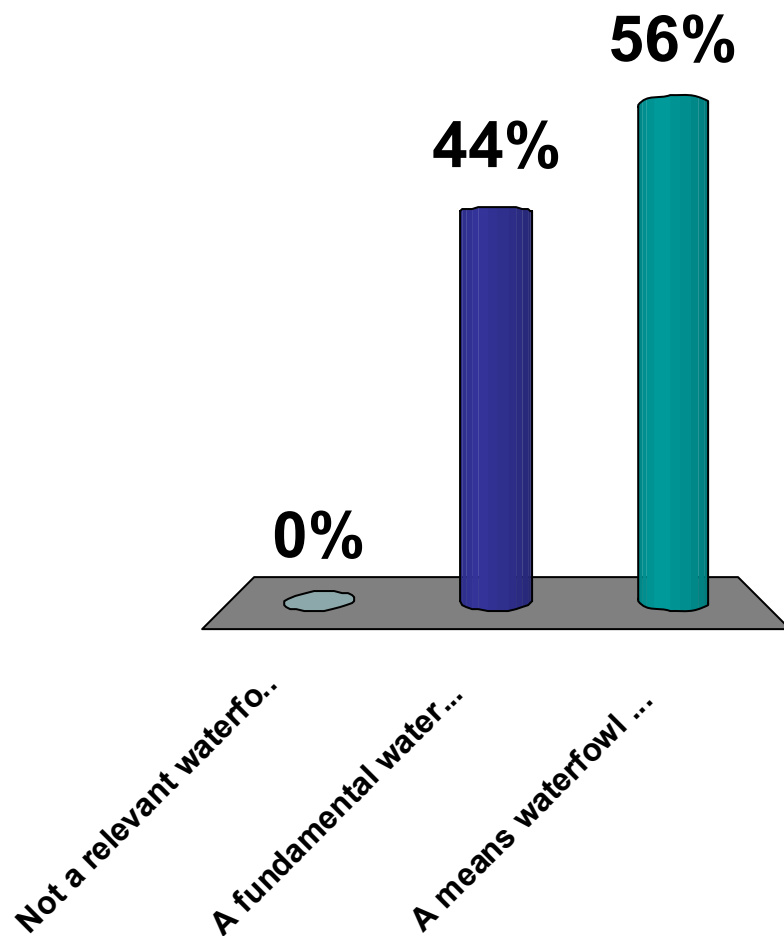
43. Define a role for innovation at all aspects of adaptive management and conservation cycle

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



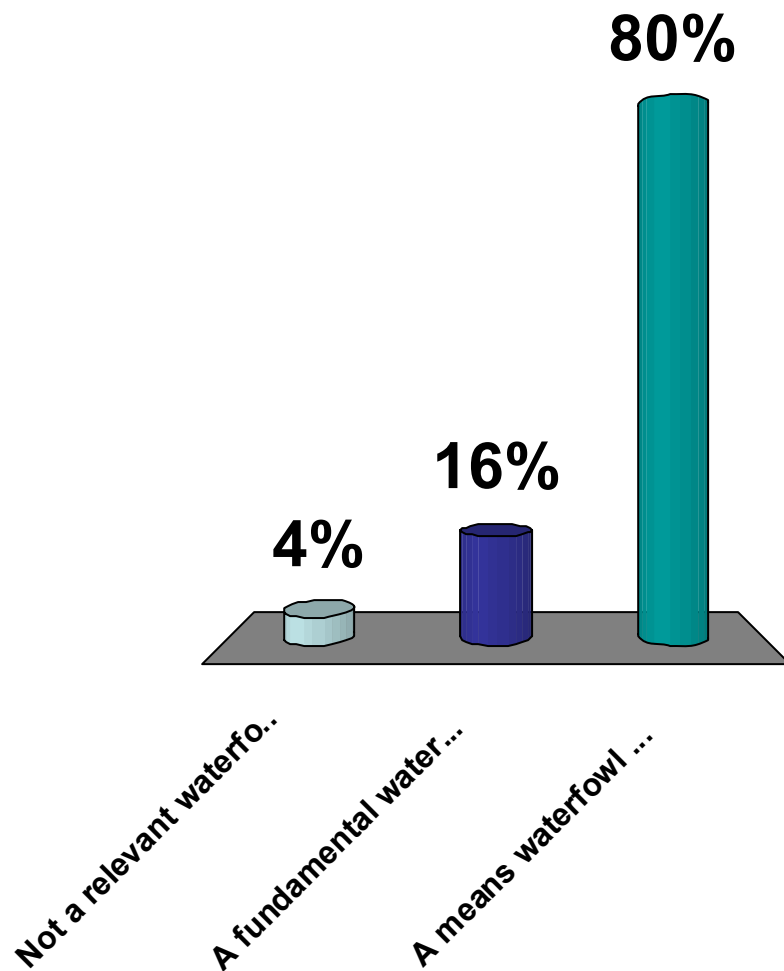
44. Maintain a broad breeding distribution of waterfowl

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



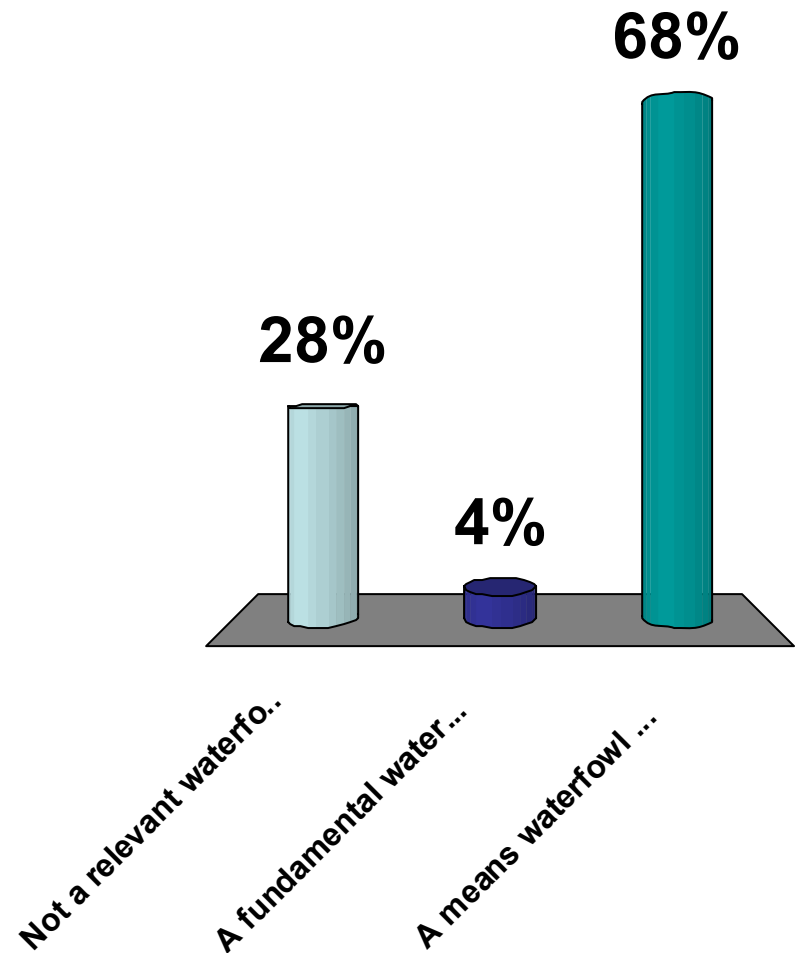
45. A waterfowling community actively engaged in conservation

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



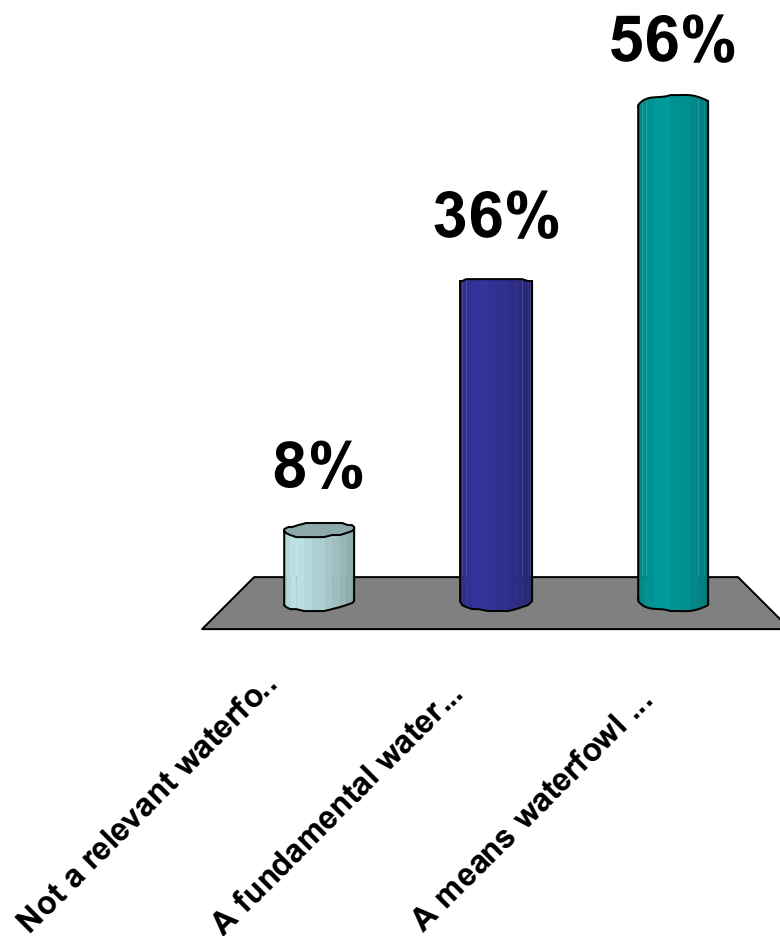
46. Regulations that promote retention and recruitment of waterfowl hunters

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



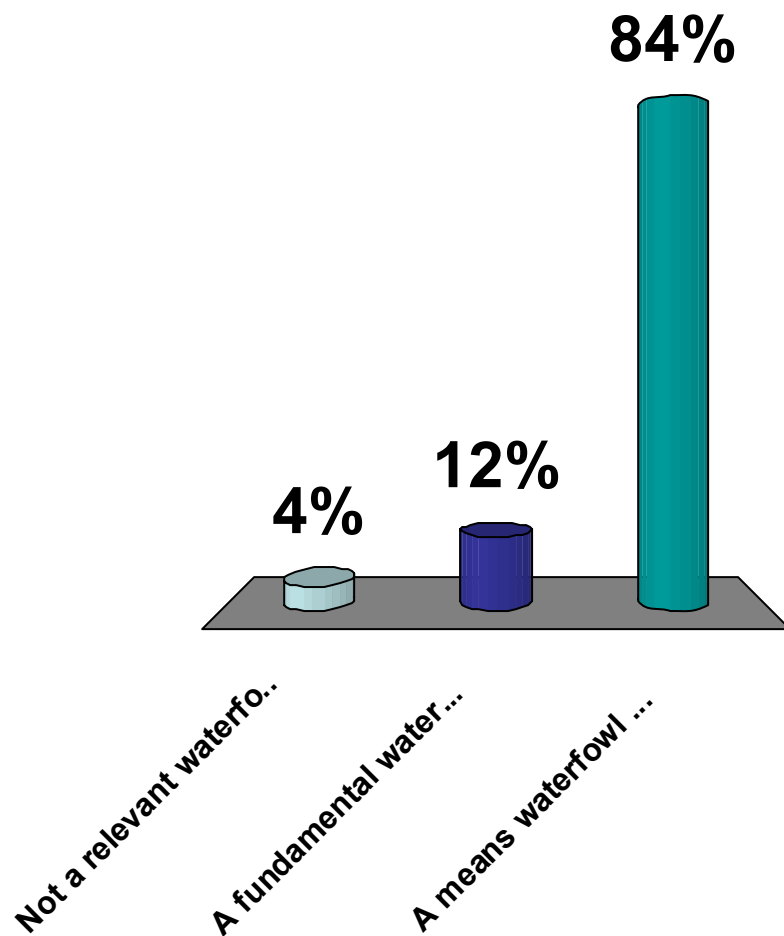
47. Sound science underpins habitat and population objectives and human dimensions

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



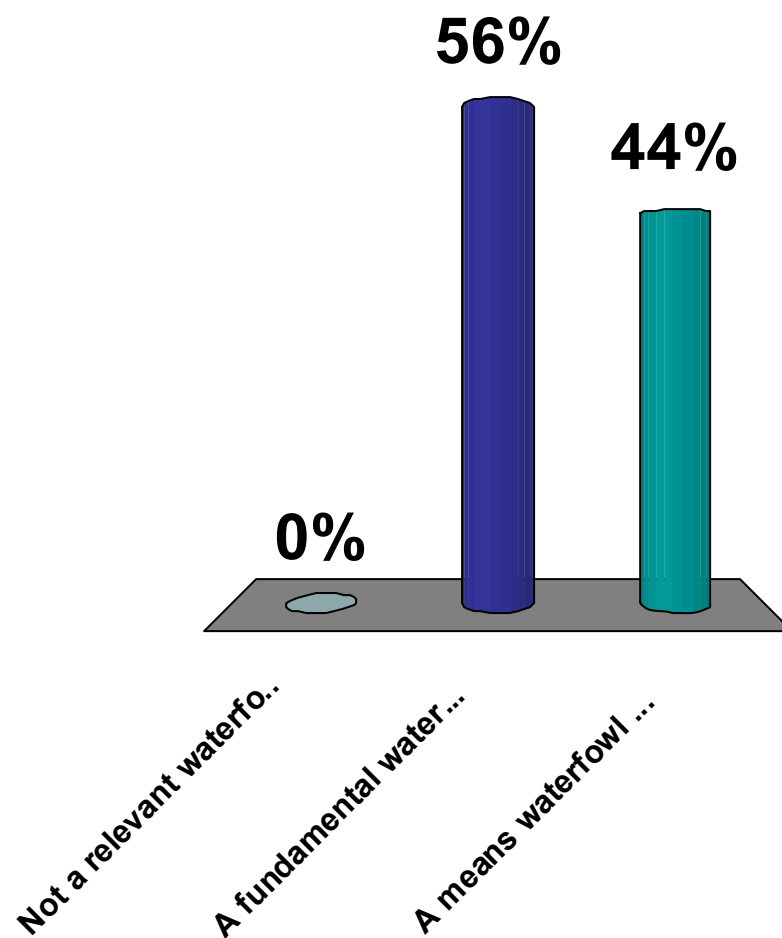
48. Use science to inform conservation policy and priorities

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



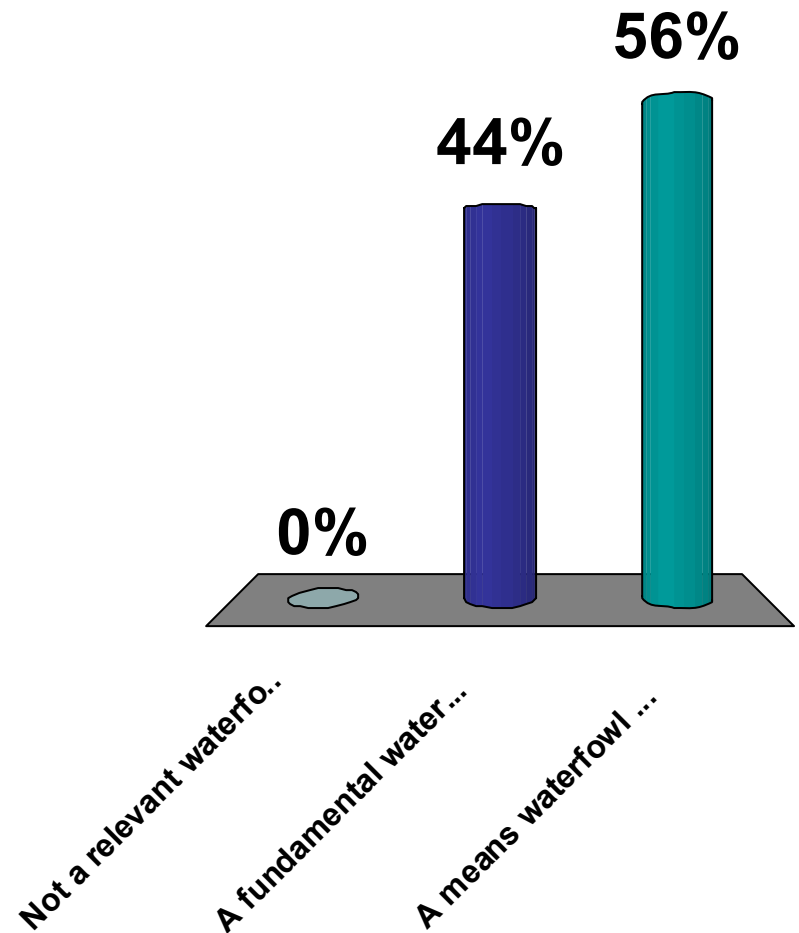
49. Maintain populations to support a sustainable harvest

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



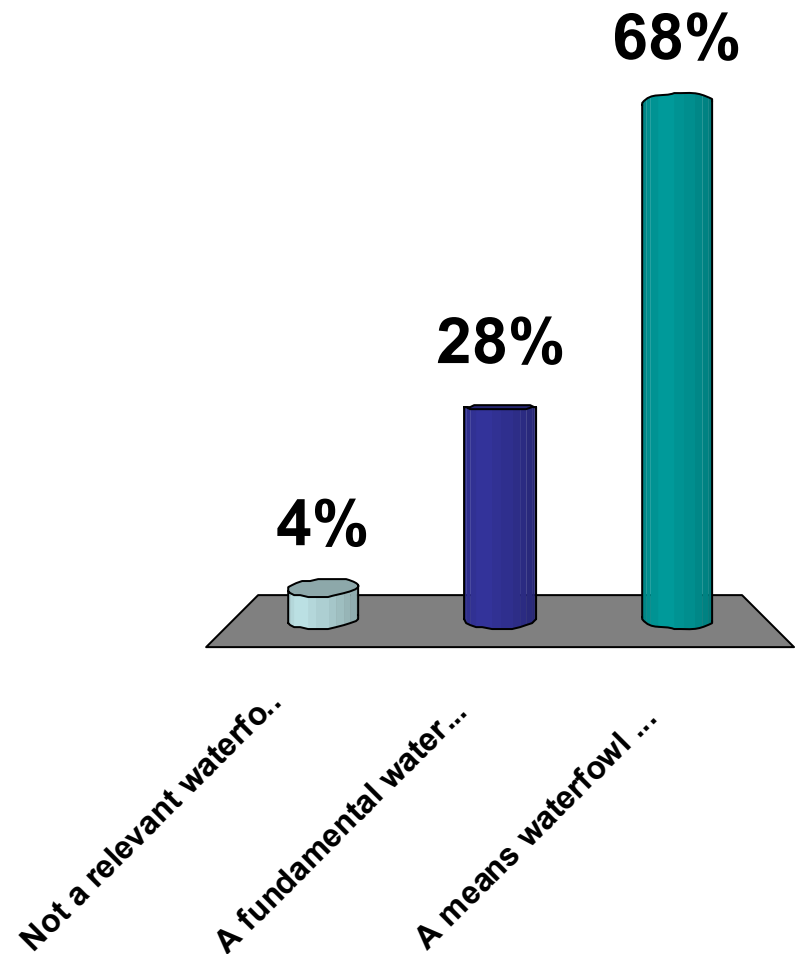
50. Reverse historic losses of wetland and associated upland habitats

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...

Fundamental Objectives

	Miss. Flyway	Cent. Flyway	Portland (AHM Group)	Memphis (NAWMP NSST)	Edmonton Canada	Ottawa Canada	NAWMP PC	DU Inc.
Maintain healthy waterfowl populations	√√	√√	√√	√√	√√	√√	√√	√√
Perpetuate the waterfowling tradition	√√		√√	√√		√	√√	
Perpetuate waterfowling and related non-consumptive uses								√√
Increase waterfowl hunter participation		√√						
Maximize hunt quality	√							
Maximize harvest opportunity	√							
Ensure waterfowl population viability					√	√		
Promote non-consumptive uses	√	√						

Fundamental Objectives

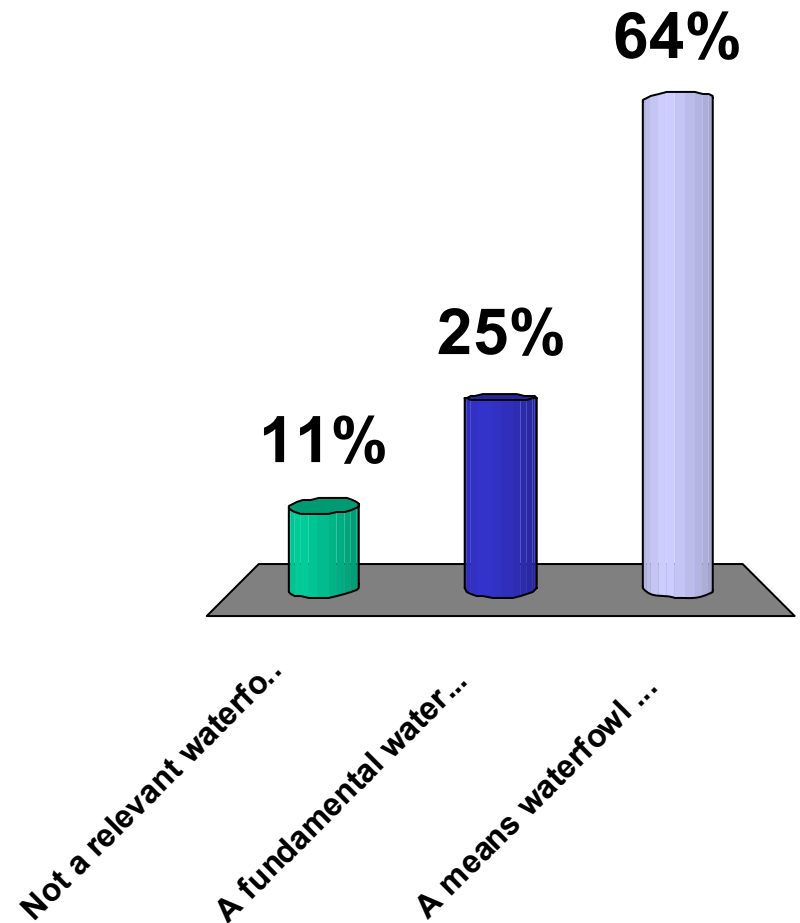
	Miss. Flyway	Cent. Flyway	Portland (AHM Group)	Memphis (NAWMP NSST)	Edmonton Canada	Ottawa Canada	NAWMP PC	DU Inc.
Promote conservation ethics in the public	√√		√					
Increase Public Support for Waterfowl Hunting and Habitat Conservation		√						
Maintain/increase/maximize EGS of waterfowl habitat	√√	√√	√√	√		√		
Max. cons. of biodiversity while managing wetlands and associated uplands for waterfowl					√			
Maintain landscapes capable of sustaining healthy waterfowl populations			√√	√√	√√	√√	√√	√√

Interesting Differences

Waterfowl hunting:

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

Perpetuate the tradition of waterfowling

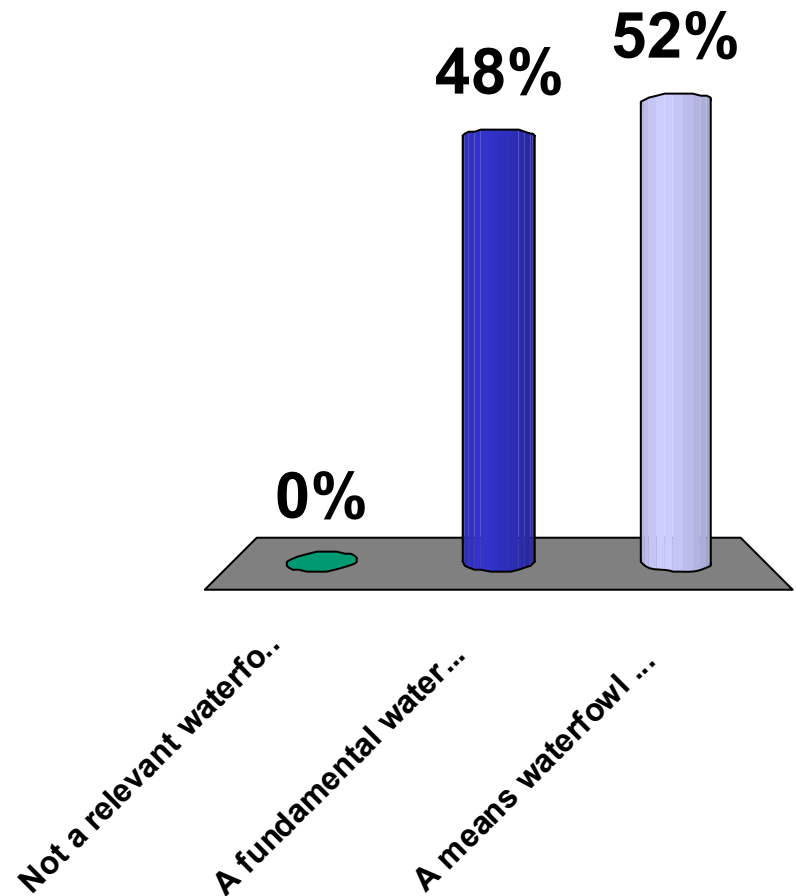


Interesting Differences

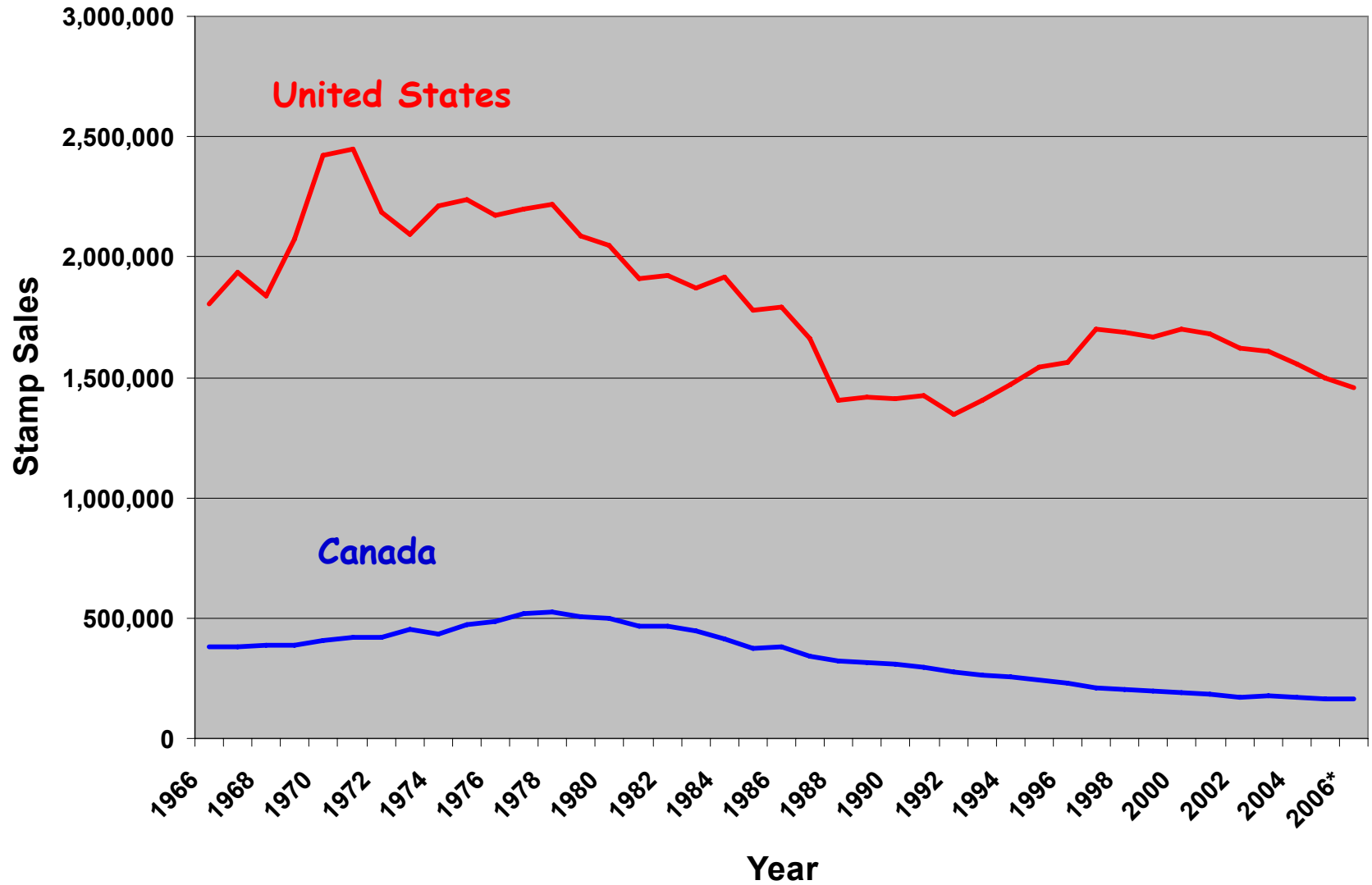
Waterfowl hunting:

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

**Perpetuate the tradition of
waterfowling**



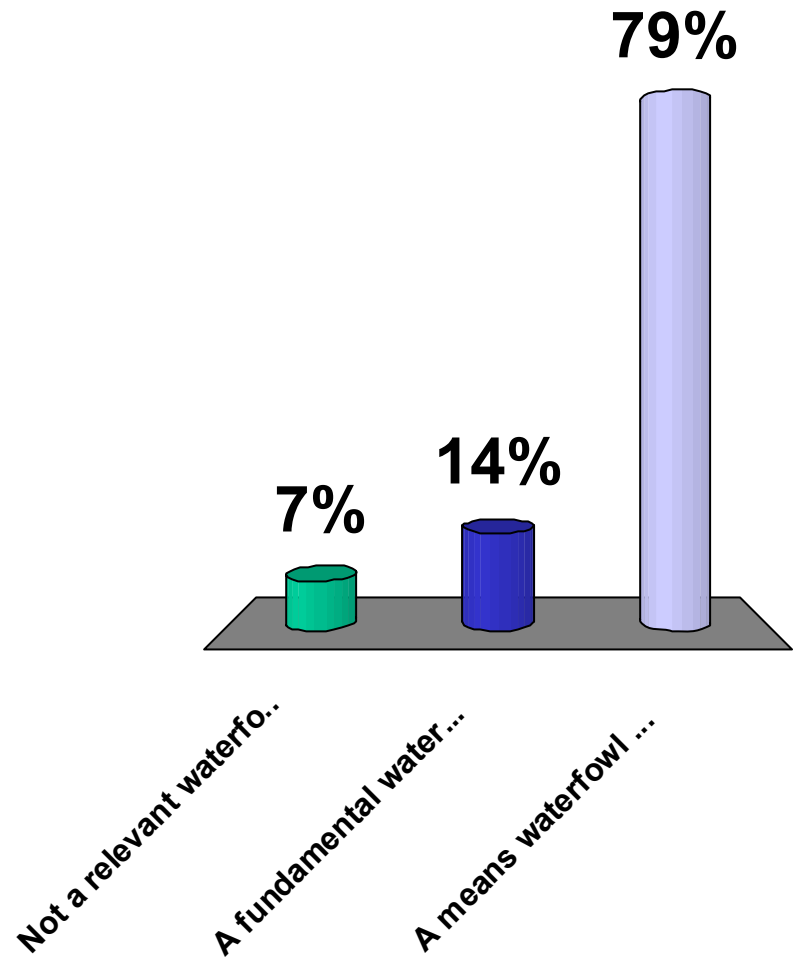
Sales of Migratory Bird Hunting Stamps



Interesting Differences

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

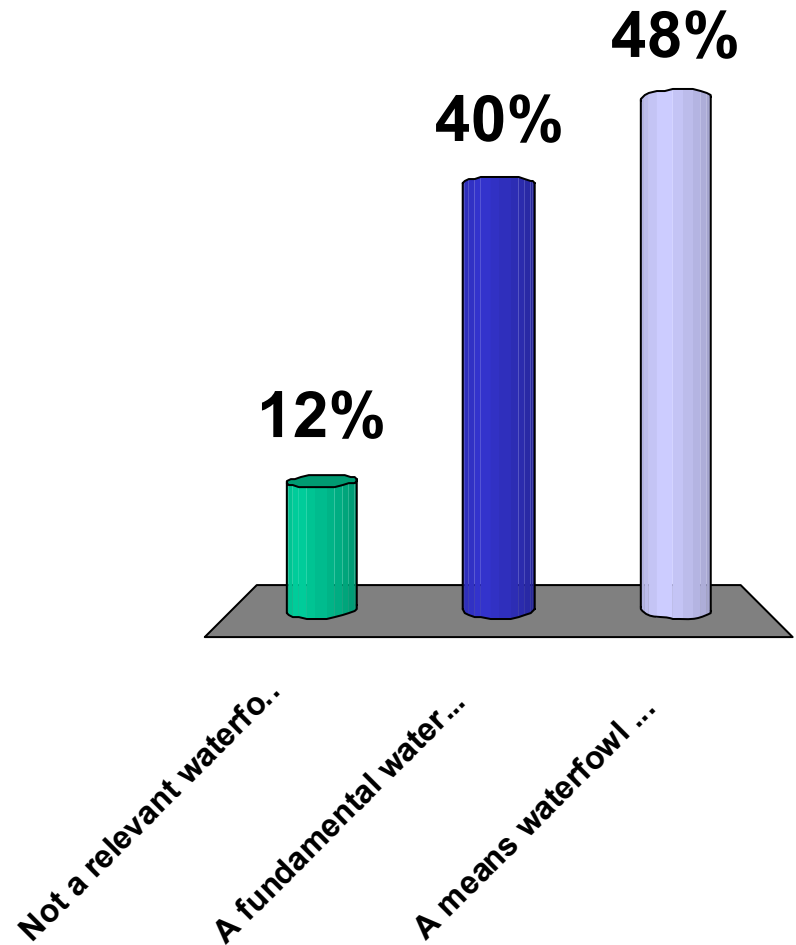
Maximize ecological goods and services derived from wetlands and associated uplands managed for waterfowl



Interesting Differences

...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.

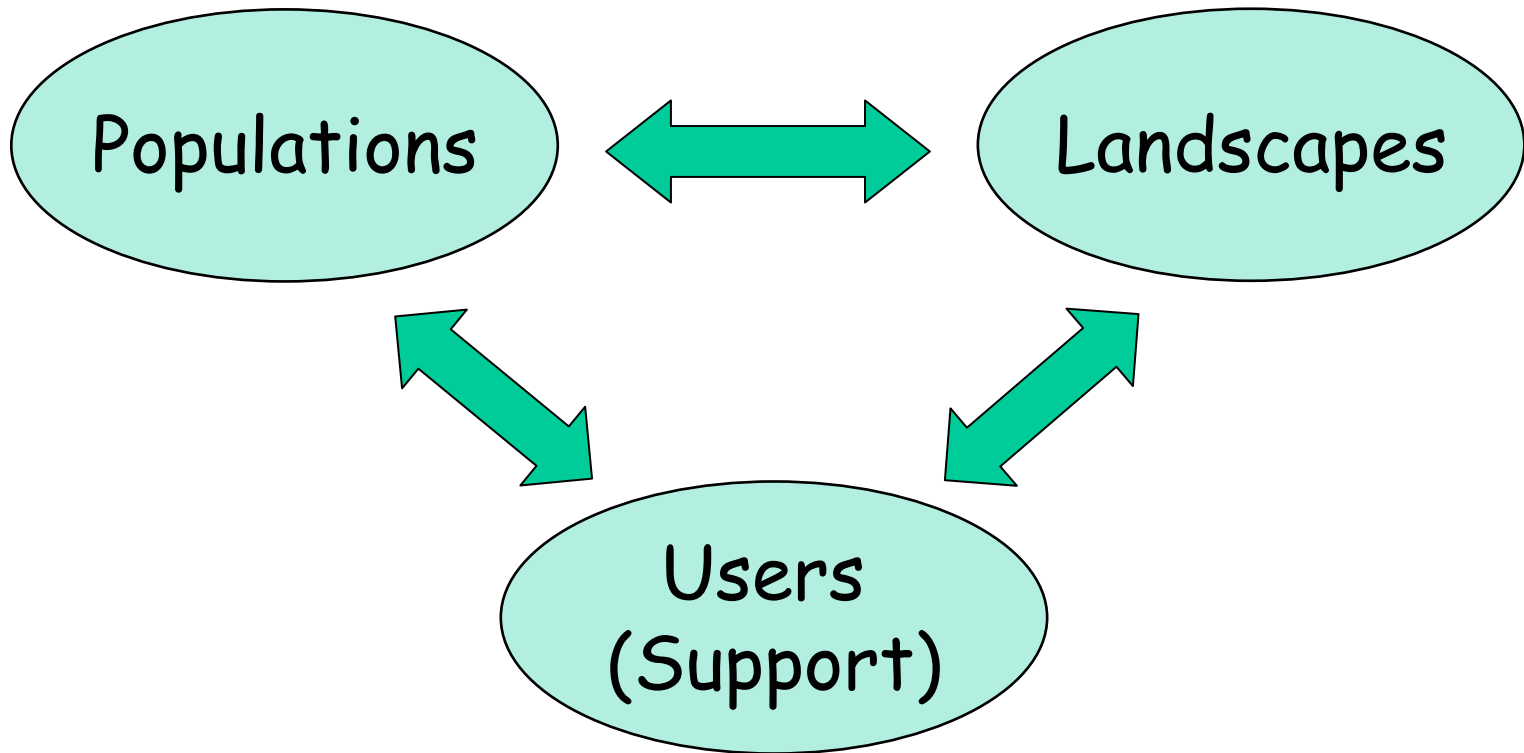
✓“People” are one of 2-3 co-equal

fundamental objectives.

✓“People” are a means to achieving one or more fundamental objectives.

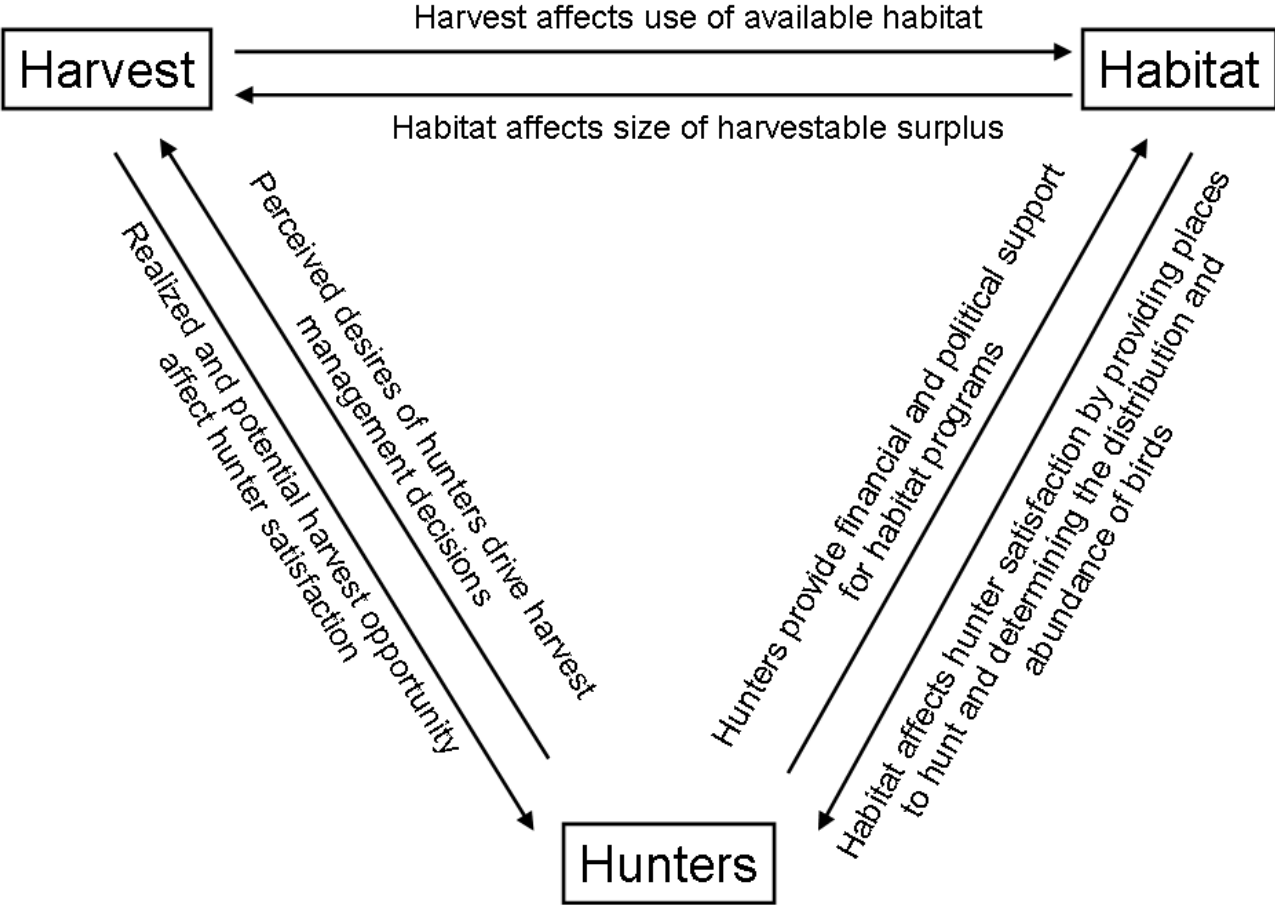
Some general observations

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



Report from the Joint Task Group for Clarifying North American Waterfowl Management Plan Population Objectives and their Use in Harvest Management

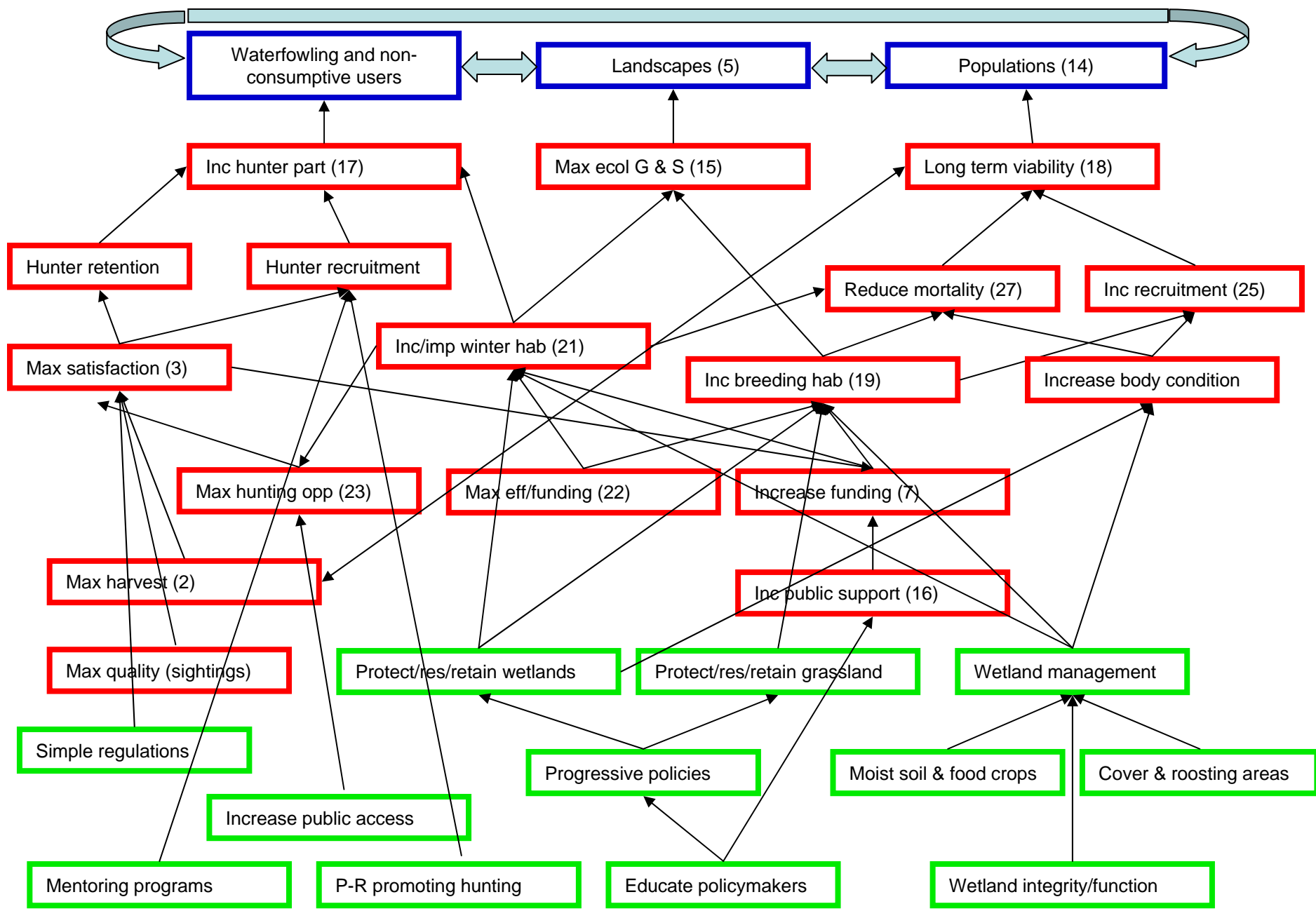
March 2007





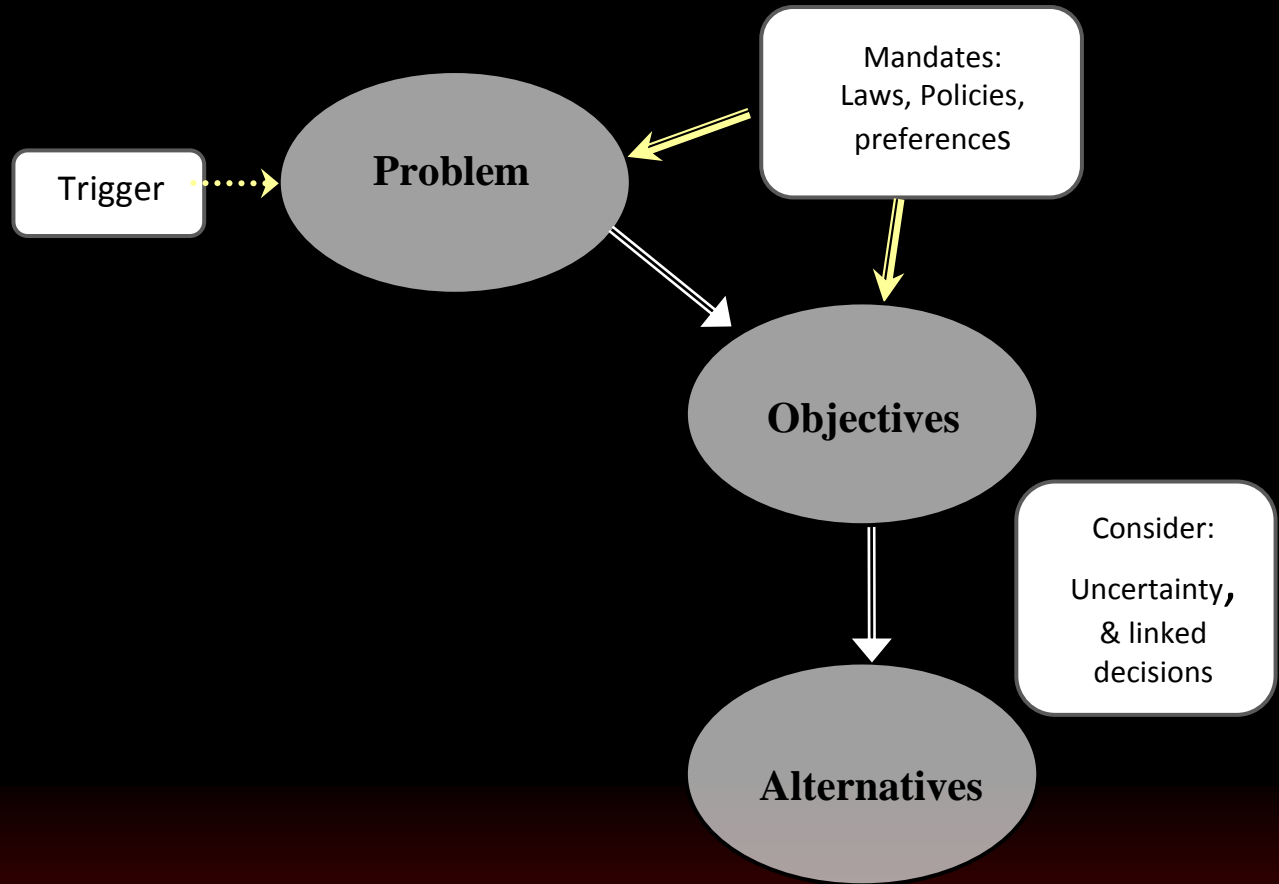
Workshop Wrap-Up

Coherence... or lack thereof





Consultation process I



Consultation process II

