

	Not	Fundamental
1. Promote a conservation ethic in the general public	7	2
2. Maximize waterfowl harvest	3	0
3. Maximize hunter satisfaction	0	2
4. Promote non-consumptive uses of waterfowl	3	1
5. Maintain landscapes capable of sustaining waterfowl populations in perpetuity	0	16
6. Increase the understanding of ecological mechanisms driving changes in waterfowl abundance and waterfowl landscapes	0	1
7. Expand the sources and amount of funding for waterfowl conservation activities	2	0
8. Perpetuate the tradition of waterfowling	0	14
9. Minimize harvest of under-abundant waterfowl	1	1
10. Minimize loss and degradation of wetlands and associated uplands	0	0
11. Provide more public hunting opportunities	0	0
12. Minimize the detrimental effects of over-abundant populations (e.g. depredation, habitat destruction)	0	1
13. Maintain/establish regulations that are simple and will result in high compliance rates among hunters	0	1
14. Maintain healthy waterfowl populations as part of the North American fauna	0	16
15. Maximize ecological goods and services derived from wetlands and associated uplands managed for waterfowl	1	12
16. Increase public support for waterfowl conservation	0	1
17. Increase waterfowl hunter participation	0	0
18. Ensure that no species of waterfowl falls below population levels necessary for long-term viability	2	7
19. Increase and improve duck breeding habitat	0	3
20. Ensure cooperation among jurisdictions (state, flyways, partners, etc)	4	2
21. Increase and improve duck wintering habitat	0	0
22. Maximize the efficiency and effectiveness of the infrastructure and funding for waterfowl conservation	0	3
23. Provide maximum hunting opportunity	1	0
24. Maintain the social license to hunt	1	2

25. Increase duck recruitment	0	0
26. Increase and improve duck migration habitat	0	0
27. Reduce mortality from disease and contaminants	1	0
28. Maintain a broad fall and winter distribution of waterfowl	2	3
29. Establish the infrastructure needed to ensure coherence in waterfowl management	2	3
30. Formalize the institutions needed to incorporate human dimensions into waterfowl management decisions	2	1
31. Increase hunter education and communications efforts	1	0
32. Provide reasonable and equitable opportunities for people to use and enjoy waterfowl.	0	3
33. Maintain or increase political support for waterfowl & wetland conservation	0	0
34. Administer NAWMP	0	1
35. Combine 3, 8, 11, 17, 23, 31	0	1

Means	New One	Attributes	Rank
8			5.00000
14			#DIV/0!
14			5.00000
13			11.00000
1			2.07692
16			4.00000
15			#DIV/0!
3			4.00000
15			#DIV/0!
17			#DIV/0!
17			#DIV/0!
16			7.00000
16			6.00000
1			1.25000
4			4.37500
16			4.00000
17			#DIV/0!
8			3.00000
14			2.66667
11			12.00000
17			#DIV/0!
14			5.00000
16			#DIV/0!
14			4.00000

17	#DIV/0!
17	#DIV/0!
16	#DIV/0!
12	6.00000
12	5.00000
14	10.00000
15	#DIV/0!
1	
2	
0	
0	

Maintain healthy waterfowl populations.

What does healthy mean???? Relative to populations, individuals, what? Is it relative to carrying capacity?

of waterfowl hunting days

populations at or near goal (population size)

Achieve certain level of annual recruitment

Achieve certain level of annual survival

Achieve certain level of body condition index

Seasonal distribution of waterfowl

Maintain landscapes capable of sustaining waterfowl populations in perpetuity

duck use days available on the landscape

of moist soil impoundments (acreage)

% connectivity of wetlands and foraging areas (juxtaposition-fractals?)

%age of grasslands within 0.5 mile of wetlands

%age of invasive vegetation in wetlands

%age of land in various agricultural crops

Acres of publically owned wetlands

Dollars spent on habitat conservation

Net gain/loss of wetlands/uplands

Protected acres of waterfowl habitat (wetlands and uplands)

Maintain the tradition, societal values, and economic benefits of hunting and other recreational uses of waterfowl.

Duck stamp sales

active waterfowl hunters (age classes, junior hunt licenses, etc)

days spent hunting

families who hunt together (generations-tradition of hunting)

lost hunters

of outreach events by agencies and attendance figures

publically owned acres of wetlands

recruited hunters

%age of citizens in favor of hunting

%age of 'satisfied' hunters

Churn rate-use HIP stratification

Dollars donated to conservation organizations

Dollars spent on private land wetland work

Economic surveys (FWS)

Goose season harvest (societal benefit)

Maintain 67% of current waterfowl hunter levels

Membership in conservation organizations

Non toxic shot sales (size 4 or larger?)

Participation at waterfowl related events

PR dollars (allotments)

Revenue of waterfowl art

Revenue of waterfowl hunting gear

Total waterfowl harvest

Visitor use at NWR's