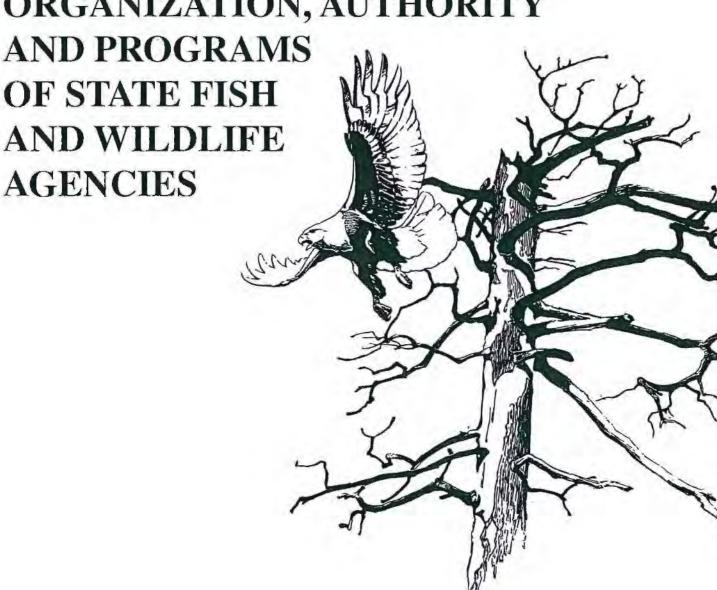
ORGANIZATION, AUTHORITY



ORGANIZATION, AUTHORITY AND PROGRAMS OF STATE FISH AND WILDLIFE AGENCIES

A Report of the WILDLIFE MANAGEMENT INSTITUTE 1997



The study resulting in this report and the report itself were funded in part by Federal Aid grant 14-48-0009-1215, administered by the U.S. Fish and Wildlife Service, Division of Federal Aid. WMI acknowledges the significant contribution of D.J. Case & Associates, Mishawaka, Indiana in conducting the data survey. Special thanks are also extended to the administrators of fish and wildlife agencies in all 50 states and others of their staffs who provided the information contained herein.

Cover artwork by F. L. Jaques. Booklet printed by Phillips Press Inc., Brentwood, Maryland

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Contents

Introduction
Organization
Regulatory Authority
Agency Administration
Personnel
Finances
Planning and Policy
Information and Education
Research
Management and Operations
Cooperative Programs and EIS Review
Tables and Footnotes
Northeast Region
Southeast Region
Midwest Region
Interior West Region
Pacific Region
Summary Tables

Figure 1. General Agency Hierarchies

Example A - Independent Agency

Governor

Fish and Wildlife Chief Administrator

20 states have this structure

Example B - Independent Fish, Wildlife, and State Parks Agency

Governor

Fish, Wildlife and Parks Chief Administrator

7 states have this structure

Example C - Fish and Wildlife on Second Tier of the Agency

Governor

Natural Resource Commissioner, Secretary or Department Head

Fish and Wildlife Chief Administrator

Example D - Fish and Wildlife on Third Tier of the Agency

Governor

Natural Resource Commissioner, Secretary or Department Head

Natural Resource Group Chief Administrator

Fish and Wildlife Chief Administrator

20 states have this structure

4 states have this structure

INTRODUCTION

Since the Wildlife Management Institute (WMI) first compiled information on the organization, authority and programs of state fish and wildlife agencies in 1948, much has changed in America, the wildlife management profession and the agencies themselves. WMI published subsequent comprehensive surveys in 1968, 1977, and 1987. Since 1948, WMI also conducted more than 50 requested and intensive studies of individual agencies, making recommendations for administrative or organizational adjustments to meet changing circumstances.

Point-by-point comparison of all previous survey data is not possible, since survey approaches, questions and responses of individual agencies differed widely over time. In this review, states were asked to identify the most important and useful information from past surveys and to suggest new information which, if tracked, would be helpful. On the basis of this response, WMI deleted some categories and added some new ones. Interactions with the agencies in compiling these data confirmed the diversity and complexity of organizational arrangements and the difficulty of categorizing them uniformly. The tables and brief narrative herein are intended to provide a baseline to identify and track state fish and wildlife agency authorities and programs.

Since the last review (completed in 1987 with 1985 information), many new issues have confronted fish and wildlife agencies. Some of these challenges, for better or worse, are:

- commissions, legislatures and governors that are a powerful influence on objective management of resources;
- loss of organized constituent support the traditional hunting and fishing organizations are declining in number, membership and political influence, and a diversity of interest groups is emerging;
- public expectations and demand for broader fish and wildlife and habitat conservation activity in the absence of significant new funding;
- increased legal responsibility and vulnerability under both state and federal laws;
- cultural changes within agencies, such as fewer employees with hunting experience and traditional wildlife backgrounds; and
- staff reductions and cuts linked to budget shortages, but also to anti-government sentiment.

State agency administrators identified and ranked the major issues facing agency management and listed funding, changing constituencies and their demands, and habitat loss very high. Agencies are spending considerable time trying to learn more about their changing constituents, through focus groups, market research and application of a discipline referred to as human dimensions in wildlife management. Participation in outdoor recreation is shifting,

with traditional hunting and fishing stable at best, or, at worst, declining, and dramatic increases in such nonconsumptive activities as camping, wildlife viewing and photography.

This survey of state fish and wildlife agencies coincides with a concerted, widespread effort underway to expand the agencies funding base, long supported almost exclusively by excise taxes on certain hunting and angling equipment, to excise taxes on certain equipment used primarily in outdoor recreational activities other than hunting and angling. The Teaming With Wildlife initiative is designed to meet the pressing need for additional financial resources to manage all wildlife. Just as Pittman-Robertson and Dingell-Johnson excise taxes helped support programs to restore populations of game species and sport fish, new funding from a broad segment of the American public can help to forestall population declines of species which are not hunted, and to meet the demands of an increasingly populous public. Such a breakthrough in funding would have a major impact on the organization, authority and programs of state fish and wildlife agencies.

Concepts dominating resource management now include ecosystem management, landscape ecology, nongame wildlife, biological diversity, and such new techniques as GIS and GAP analysis. The ways in which agencies are structured and function will continue to be influenced profoundly by progress toward integrating these broad concepts, practices and technologies into the mainstream of everyday fish and wildlife management.

Experience with previous editions of this document indicates that states use the data primarily to compare themselves with other states, particularly those nearby. Accordingly, to facilitate such comparisons from this survey report, states have been grouped by region, including. Northeast (ME, NH, VT, MA, CT, RI, NY, PA, NJ, WV, MD, DE), Southeast (VA, NC, SC, GA, FL, AL, MS, LA, AR, TN, KY), Midwest (OH, IN, IL, MI, WI, MN, IA, MO, ND, SD, NE, KS), Interior West (MT, ID, WY, NV, UT, CO, AZ, NM, TX, OK) and Pacific (AK, HI, WA, OR, CA). Tables summarizing all responses by region and comparing 1996 responses to the 1985 survey also have been included to indicate trends. For the 1996 survey, each state responded to an identical questionnaire, and since states are organized in many different ways, respondents invariably had to interpret questions subjectively in order to answer them appropriately for their respective agencies. Thus, caution is advised when interpreting the tables; more detailed specific information should be obtained directly from an appropriate state fish and wildlife agency to understand individual agencies fully.

Organization (Figure 1, Tables 1a, 1b)

States are different in so many ways that it is not possible to categorize accurately all of their organizations without listing all agencies separately. One measure of how agencies relate to their state governments is to identify how far up or down in the hierarchy of state government the fish and wildlife agencies are located. In Figure 1, Examples A and B show independent fish and wildlife agencies. Examples C and D illustrate where fish and wildlife agencies are part of a larger state agency. The chief fish and wildlife administrator is located farther down the hierarchy of state government in Example D than in Example C. Since the 1985 survey, two more state fish and wildlife agencies have been incorporated under a larger state agency. There now remain 25 organizationally independent state fish and wildlife agencies, while 26 are part of a larger state agency. Discrepancies in these numbers occur because some state agencies

consider themselves independent even though they are listed organizationally as part of a larger agency. Differences in how some states responded can sometimes be accounted for by how the agencies view themselves.

Commission or board members are appointed by the governor in 48 agencies (down from 51 in 1985), but must be approved by the state legislature in 34 states. In 24 states, commission/board members are selected to represent specific regions within the state, while in 26 states, they are selected statewide.

Regulatory Authority (Tables 2a, 2b)

The authority of a governing commission/board or commissioner is defined in the state constitution in 10 states, up from 8 in 1985, and is defined by law in 49 states. In 1985, the authority of a commission (or board or commissioner) was limited to budget, regulations and policy in 34 states (i.e., authority did not extend to personnel decisions or day-to-day operations of the agency). In 1996, such limitations existed in only 22 states, indicating an increasing power for commissions (or boards or commissioners) and increased potential for controlling agency operations. Also indicated is an increase in the number of states with license revocation authority. Blaze orange is required for big game hunting in the regular firearms season by 38 states, and for small game hunting in 14 states.

Table 2b shows a substantial number of new authorities identified as relevant by the agencies and that should provide improved ability to track and compare state fish and wildlife agency requlatory authority in the future. For example, the number of states with a wanton waste law has increased to 36 from 26 in 1985. Also, hunters, trappers, and anglers now have broad legal protection from harassment: 49 states have laws prohibiting hunter harassment; 36 have laws prohibiting trapper harassment; and 29 have laws prohibiting angler harassment. There has been a notable decline in the number of agency directors with authority to regulate coastal wetlands, two-way radios, and ATVs. There was a substantial increase in the number of agency directors with authority to designate game species and nongame species (32 in 1996, from 23 in 1985). While there are no comparative data for authority to regulate such things as hybrids and exotic wildlife or to manage invertebrates or plants, these results establish a baseline for authorities of interest. In 33 states, the commission, commissioner, or agency director has authority to charge access fees to management areas, and 20 states have used that authority. Fee access to private lands for hunting has been increasingly popular in the last two decades, and fee access to state wildlife management areas may become more common as agencies look for new funding sources.

Agency Administration (Table 3)

All 50 states have an Administrative Procedures Act. Public hearings are required for certain specific agency actions in 27 states, whereas public hearings are at the discretion of the governing board, commission or commissioner in 29 states. As of 1996, the director of a fish and wildlife agency is selected by the governor in 16 states, from 11 in 1985. This is a noteworthy increase in the control of governors over state fish and wildlife agencies. It corresponds with increased commission authority over agency operations and budgets (Table 2), and with actions by state legislative and executive branches to exercise more control over fish and wildlife agencies. In 32 states, the director of the fish and wildlife agency is selected by a

board or commission (if the agency is independent), or by the head of the larger agency if the fish and wildlife agency is not independent. State directors are more subject to removal for political reasons than in the past; the number of states where the director's term of office is based on merit has declined from 26 in 1985 to 15 in 1996. The number of states in which directors are required to have a college degree in natural resources has risen from 5 in 1985 to 8 in 1996. Three states require directors to have a degree in fisheries or wildlife management.

Personnel (Table 4)

This section summarizes data for all employees below the level of the agency director. The number of states in which fish and wildlife agency personnel are selected by civil service has risen from 24 in 1985 to 32 in 1996. State conservation law enforcement officers now have more education and more diversity in both education and experience — 11 states require conservation officers to have a college degree in natural resources, and the number of states that can hire nonresidents as conservation officers has increased from 35 to 45. Nearly all states can hire nonresident biologists and technicians. The number of states in which formal in-service training is required by law has risen from 9 to 19, and the number providing periodic in-service training for all employees has risen from 19 to 30.

Employment opportunities for both fisheries and wildlife biologists increased sharply between 1985 and 1996. The number of personnel employed by state fish and wildlife agencies as administrators, wildlife and fish biologists, technicians, and conservation law enforcement officers in 1968, 1976, 1985 and 1996 is shown below. These categories may not accurately reflect job functions, since many administrators have biological training and experience and job functions are flexible. Numbers are approximate because some states did not respond, but an upward trend in employment is evident in all categories except law enforcement. However, six states did not provide numbers of law enforcement officers, so it is likely that the count in 1996 is similar to 1985.

Year	Administrators	Biologists	Technicians	Enforcement Officers	Total
1968	782	3,367	2,049	5,069	11,267
1976	845	5,240	2,871	5,273	14,229
1985	898	3,898*	3,056	6,153	14,005
1996	1,304	5,375**	3,725	5,795***	16,199

^{*} Due to limited descriptive terms and misinterpretations, substantial numbers of managers were excluded in 1985.

^{**} Four states did not provide data. This represents the total for 46 states.

^{***} Six states did not provide data. This represents the total for 44 states.

Finances (Table 5)

The number of states in which the fish and wildlife fund was shown to be available for use without legislative approval has fallen from 11 in 1985 to 7 in 1996, suggesting some degree of loss of agency autonomy. This is accentuated by the fact that budget priorities are increasingly set at authority levels above the state fish and wildlife agencies, i.e., by the governor or cabinet in 27 states (up from 6 in 1985), by the state office of budget in 19 states (3 in 1985), by legislative committee in 20 states (1 in 1985), and by legislative budget officer in 14 states (1 in 1985). There has been a modest increase in the number of state fish and wildlife agencies receiving state general funds (34, from 27 in 1985). Notably, 26 states already have identified sources of state funds that can be used to match Teaming With Wildlife funds for nongame programs, should such legislation be passed by Congress.

Planning and Policy (Table 6)

It appears that planning efforts have declined substantially between 1985 and 1996, although this apparent decline may simply reflect a change in emphasis from plan development to plan implementation. The number of agencies with comprehensive plans approved by the U.S. Fish and Wildlife Service dropped from 42 to 12. The number of fish and wildlife agencies conducting planning fell from 43 to 29. The number developing conservation plans declined from 34 to 16, and the number of agencies with a full-time planning staff dropped from 25 to 16. Similarly, there were reductions in the number of agencies with plans based on regions (35 to 14), river basins (30 to 13), watersheds (30 to 12), lakes (38 to 16), floodplains (19 to 2), shore lands (20 to 16) and estuaries (16 to 4). However, 12 agencies now have plans based on ecosystems, which may explain much of the reduction in plans based on other regions. The development of a number of federal ecosystem-based plans (e.g., Southern Appalachian Assessment, Interior Columbia Basin Ecosystem) has involved state agencies and pointed the way for states to adopt this approach to management. A few multistate, cooperative wildlife research projects have been initiated (e.g., Appalachian ruffed grouse study), suggesting that some agencies recognize a need to manage wildlife on various landscape levels.

The apparent reduction in planning efforts may be misleading. Many agencies put substantial effort into planning 10 to 20 years ago, with many planners involved. When the necessary information had been gathered and planning completed, planning activities logically declined. In most states, a skeleton planning team now monitors and updates plans. In any case, it is not clear from the 1996 survey or WMI's experience whether states widely use such plans in day-to-day activities.

Information and Education (Table 7)

With a few exceptions, state fish and wildlife agency I&E programs changed little between 1985 and 1996. There was a decline in the number of state agencies using radio (48 to 37) and television (44 to 39) as outreach media. The number of agencies offering workshops on waterfowl identification also declined (from 27 to 21). On the other hand, there was a substantial increase in states offering adult education (34 to 44), maintaining education centers (19 to 27) and offering hunter education (27 to 44). Hunter education now is provided in all 50 states. In fact, most hunter education is provided by wildlife program personnel rather than I&E

personnel. Project WILD programs exist in 47 states, and 40 have programs in Aquatic WILD. These, too, are accommodated by wildlife and fisheries personnel in some states rather than by 1&E personnel.

Research (Table 8)

The number of states conducting wildlife research with federal funds other than Pittman-Robertson funds increased from 29 in 1985 to 37 in 1996, indicating new sources of funding are being accessed. However, the number of states conducting fisheries research with federal funds other than Wallop-Breaux funds declined from 43 to 23.

More states conduct research on threatened and endangered (T&E) species (44 states) and big game species (43 states) than on any other category of wildlife. Significantly, however, research is being conducted on neotropical migratory birds (27 states) and other nongame wildlife species (33 states). New in this survey were questions designed to identify monitoring programs separately from investigative research. In addition, because of state interest, the category game mammals used in previous surveys has been split into big game and small game mammals, and turkeys have been separated from other game birds. All states have monitoring programs on big game species and T&E species, 39 monitor neotropical migratory birds, and 47 states monitor other nongame wildlife species. Similarly, 30 states conduct research on nongame fish, and 15 do so on mussels; 36 states monitor nongame fish species and 24 monitor mussel populations. The emphasis on T&E species and neotropical migratory birds, other nongame wildlife, nongame fish, and mussels is indicative of the changing agency priorities and demonstrates agency responsiveness to changing constituencies. Human dimensions research is conducted by 34 state agencies to help understand and respond effectively to evolving demands of constituents. Agencies also are keeping abreast of new technologies; 43 states use GIS and GAP analysis in fish and wildlife research.

Management and Operations (Tables 9a and 9b)

A change in management and operations was a decline in the number of states with private lands access programs for hunting (from 49 in 1985 to 36 in 1996) and for fishing (from 48 to 30). This may be due partly to increases in state-managed lands and waters, but also may reflect a growing popularity of fee access to hunting and fishing on private lands. Still, the reduction in private land access programs does not seem to match with nationwide concerns about reduced access. Reflecting increased public interest, 47 states reported having or developing public areas for watchable wildlife. Without comparative data, it is not possible to determine whether this reflects a shift of resources previously used in other ways. There was also a notable decline in the number of agencies maintaining game farms (from 22 to 12). The number maintaining hatcheries for coldwater fish, however, increased from 36 to 43. There was a large decline reported in the number of agencies with cooperative programs with the U.S. Department of Agriculture, which is somewhat surprising given the relevance of Conservation Reserve Program set-asides to wildlife-associated recreation opportunities on private lands. Also reported was a large increase in the permitting requirements for hunting clubs, largely to address such concerns as introduction of diseases and exotic animals.

Cooperative Programs and EIS Review (Table 10)

Between 1985 and 1996, there were declines in the number of states with cooperative programs with the National Oceanic and Atmospheric Administration (NOAA — from 41 in 1985 to 23 in 1996), Farm Services Agency (FSA — 48 to 33), Cooperative State Research, Education and Extension Service (CSREES — 47 to 26), and state highway departments (51 to 39). This is puzzling given the potential for wildlife habitat enhancement under the Farm Bill provisions and the abilities of the FSA and CSREES to assist farmers with enrollment of their lands in the Conservation Reserve Program. The number of states with Sikes Act cooperative programs with the USDA Forest Service also declined from 23 to 14. The reasons for these declining partnerships involving state fish and wildlife agencies are unknown.

The number of states that require environmental impact statement (EIS) review by the state fish and wildlife agency declined from 47 to 32. Hence, the EIS review process may be becoming less sensitive to concerns of state fish and wildlife agencies. Often, however, the fish and wildlife agencies are bearing a significant portion of the costs associated with EIS review. Fish and wildlife funds are used in EIS review by 47 states; only 19 states can access general appropriations to help fund EIS review. This is a clear shift of funds from traditional management activities, but in states with large amounts of federal land there can be major benefits to fish, wildlife, and public recreational opportunities from steering federal project management and/or mitigation.

Table 1a. Agency Organization-Northeastern States

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		Legend Y = Yes U = Unlimited			Maine	New Hampshire	Vermont	Massachusetts	Connecticut	Rhode Island	New York	Pennsylvania	Pennsylvania Fish Commission	New Jersey	West Virginia	Maryland	Delaware

9

Footnotes for Table 1a. Northeastern States

Massachusetts

1Metropolitan District Commission.

Connecticut

1Serves at the pleasure of the governor.

Rhode Island

1Coastal resources.

New York

1Marine resources is part of the Division of Fish, Wildlife, and Marine Resources; there is a separate Division of Water for water quality issues.

New Jersey

1Green Acres Program.

West Virginia

1Approval of Senate.

Table 1b. Agency Organization—Northeastern States

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	Unpaid commission or board	Govеrnor	Other	Number	Appointed by governor	Natural resources mgmt. edu	Hunting or fishing experience	Sponsorship by sportsmen's	Current hunting or fishing license	Political affiliation	Approval of legislature	Protected from removal except for cause	Entitled to public hearing before removal	By law	Regulation	Tradition	By law	Regulation	Tradition	By law	Regulation	Tradition	Counties	Regions	Statewide	Other	Coincident	Slaggered	Years per term	Number of consecutive terms	Number of commission/board meetings required/year	
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Connecticut																													_			CT
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West Virginia	Υ			7	Υ						Y ¹	Υ								Y^2					Υ	Y ²		Υ	7	U	4	W
Maryland		Υ		9	Υ		Υ					Υ					Υ			Y^1				Υ	Υ			Υ	4	2	9	MD
Delaware			1	_'	Υ					Y	Y ²			Υ			Y^3				'		Y٩		Υ			Y	35	U	_6	DE

Footnotes for Table 1b. Northeastern States

Maine

1Subject to the review of the Legislative Joint Standing Committee for Inland Fisheries and Wildlife. 2Successful confirmation by the legislature involves all categories.

Massachusetts

1Five of seven.

New York

10n two boards: Conservation Fund Advisory Board; and Fish and Wildlife Management Board. 2Some CFAB members. 3CFAB. 4FWMB ex-officio members.

5CFAB: 3 FWMB: 1.

6FWMB: 3.

Pennsylvania (Game Commission)

1Two-thirds consent of the Senate. 2Sportsmen's clubs/hunting and trapping groups.

New Jersey

10ne of the eleven. 2Six of the eleven.

West Virginia

1Approval of Senate.
2One from each congressional district; remainder at large.

Delaware

1Council on Shellfisheries = 9: Council on Game and Fish = 9: Council on Titles Finfisheries = 7. 2Legislature approves Council on Titles Finfisheries; other council members are appointed by the governor. 3Council on Shellfisheries. 4For Council on Titles Finfisheries. 5Except representatives on the Council on Titles Finfisheries, which have five-year terms. **6**Council on Shellfisheries meets whenever necessary; Council on Game and Fish meets monthly except for December: Council on Titles Finfisheries meets at least once per quarter.

Maryland

1Regional representation.

Table 2a. Regulatory Authority—Northeastern States

Delaware	Maryland	West Virginia	New Jersey	Pennsylvania	Pennsylvania	New York	Rhode Island	Connecticut	Massachusetts	Vermont	New Hampshire	Maine	Legend Y = Yes U = Unlimited	
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Footnotes for Table 2a. Northeastern States

Vermont

1Regulatory functions only.

2No time restriction.

3Commission/board and director/head have authority.

Massachusetts

1The commission and the agency director have discretionary authority. 2Deer season only.

Connecticut

1Forfeiture of bond or suspended judgment.

2Indefinitely.

3Commissioner.

4Parent agency,

Rhode Island

1All people on state management areas from third Saturday in October to February 28.

New York

1For some species.

Pennsylvania (Game Commission)

1Authority to deny permits.

2Commission and director.

3Only during overlap with small game season.

4Groundhog hunting.

Pennsylvania (Fish Commission)

1Refusal of alcohol test for BUI. 2Commissioner and director.

New Jersey

1Council limited to season, size, sex, manner, means, and time to take game species.

2Licenses are revoked by the courts, but appeal process goes through council.

3Council and director have discretionary authority. 4With firearms.

West Virginia

1Lies within separate division.

Delaware

1Strictly advisory.

2Single offense.

3Multiple offenses.

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Footnotes for Table 2b. Northeastern States

Maine

1Legislature.

Massachusetts

1Rare and endangered species only. 2Commissioner of Administration and Finance. 3Nonresidents only.

Connecticut

1Would require legislative approval.

Pennsylvania (Game Commission)

10n agency-owned lands and for use in hunting.2Except with protection permit.3Certain disabled hunters may shoot from a vehicle with appropriate permit.

New Jersey

1Includes shellfish.
2On areas controlled by the state agency.
3To launch boats without a hunting or fishing license.

Delaware

10n public lands.

Table 3. Agency Administration—Northeastern States

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		Legend Y = Yes		Maine	New Hampshire	Vermont	Massachusetts	Connecticut	Rhode Island	New York	Pennsylvania Game Commission	Pennsylvania Flat Commission	New Jersey	West Virginia	Maryland	Delaware

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Footnotes for Table 3. Northeastern States

Massachusetts

1For all rulemaking.

Connecticut

1Annually.

New York

1Bachelor of science degree plus eight years experience, including three years management capacity and three years in environmental conservation or natural resources.

New Jersey

1Governor approves council's selection.

Delaware

1Promulgating regulations.

Table 4. Personnel—Northeastern States

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Particular Par			by		į į	der	nt			Offi	cers		٦	Ггаі	nir	ng	ls F	פרנ	ovi	dec	d						Re	spo	nsil	oilit	ý Is					1	
Maine Y¹ Y² Y </td <td>Y = Yes U = Unlimited</td> <td>Civil service</td> <td>merit</td> <td>Other</td> <td>Biologists</td> <td>Technicians</td> <td></td> <td>re</td> <td>degr equi</td> <td>& wildlife</td> <td>of square miles</td> <td></td> <td></td> <td>board or commissioner/secretary</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>personnel</td> <td>Central office administration</td> <td>Other wildlife biologists</td> <td>Other fisheries biologists</td> <td>Wildlife technicians</td> <td></td> <td></td> <td>sciences</td> <td></td> <td></td> <td></td> <td></td> <td>Planning</td> <td>egal</td> <td>Environmental impact assessment</td> <td>Support staff (secretaria//cierica//receptionist)</td> <td></td>	Y = Yes U = Unlimited	Civil service	merit	Other	Biologists	Technicians		re	degr equi	& wildlife	of square miles			board or commissioner/secretary							personnel	Central office administration	Other wildlife biologists	Other fisheries biologists	Wildlife technicians			sciences					Planning	egal	Environmental impact assessment	Support staff (secretaria//cierica//receptionist)	
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Vermont Y </td <td>New Hampshire</td> <td>Y</td> <td></td> <td></td> <td>Υ</td> <td>Υ</td> <td>Υ</td> <td>Y</td> <td></td> <td></td> <td>211</td> <td>5.4</td> <td></td> <td></td> <td>Υ</td> <td>Υ</td> <td>Υ</td> <td>Ÿ</td> <td>Υ</td> <td>Y</td> <td>Y</td> <td>17</td> <td>42</td> <td>10</td> <td>4</td> <td>31</td> <td>44</td> <td>0</td> <td>1</td> <td>1</td> <td>1</td> <td>4</td> <td>0</td> <td>2</td> <td>1</td> <td></td> <td>NH</td>	New Hampshire	Y			Υ	Υ	Υ	Y			211	5.4			Υ	Υ	Υ	Ÿ	Υ	Y	Y	17	42	10	4	31	44	0	1	1	1	4	0	2	1		NH
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18

Footnotes for Table 4. Northeastern States

Maine

1Director of Bureau of Resource
Management, director of Bureau of
Administrative Services.
2Deputy commissioner appointed by
commissioner; chief warden appointed
by commissioner; director of Bureau of
Public Information appointed by commissioner.

Vermont

1State law requires formal in-service training for wardens (25 hours/year) and deputy wardens (30 hours/year).

Massachusetts

1Seven positions below agency head are appointed. Remainder are civil service.

2All technicians (MA does not distinguish between the two).

3Legal staffers at the Department level.

New York

1Some are non-competitive appointments.
2Thirty semester hours, associate's degree, or higher.
3Including marine.
4Including culturists.

Pennsylvania (Game Commission)

1Non-civil service selection and non-competitive appointments.
2Only if agency has a substantiated recruitment difficulty.

Pennsylvania (Fish Commission)

1Non-civil service selection process.

Table 4. Personnel—Northeastern States

	Pe	rsor	nnel	F	-&V	٧														ŀ																
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<u>Legend</u> Y≕Yes ∪ = Unlimited	Civil service	Other merit system	Other	Biologists	Technicians	Conservation officers	re	college degree	ee	Average # of square miles covered per officer	Average # of licenses per officer (1000s of licenses)	By law	For the commission/board or commissioner/secretary	For new employees	For established emplayees	Periodically for all employees	For administrators	For biologists/technicians	For conservation officers	For information & education personnel	Central office administration	Other wildlife biologists	Other fisheries biologists	Wildlife technicians	Fisheries technicians	Conservation officers	Human dimensions/social sciences	Computers/GIS	Human resources	Contracting/procurement	Budgeting	Planning	Legal	Environmental impact assessment	Support staff (secretarial/clerical/receptionist)	
Maine	Y ¹		Y^2	Ÿ	Υ	Y	Υ			337	5.3			Ϋ́	Υ	Y		Υ	Υ		24	37	25	2	5	117	0	11	2	2	1	2	0	1	<u>"</u>	ME
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Connecticut	Υ			Υ	Y	Y				225	5.1			<u>Y</u>		Υ			Υ	_	8	16	26	1	9										8	CT
Rhode Island	Y			Υ	Y	Υ	L.		Y	34	1,0							_			4	5	12			35					_				6	RI
New York	Y		Y ¹	Y	Υ	Υ	Υ	Y^2		172	5.4					Υ			Y		19	110	105 ³	30	91⁴	276	18	4	1	1	5		1	60	18	NY
Pennsylvania Game Commission	Υ		Y ¹	Y ²			Υ			333	8.2		Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	30	18	0	3	0	135	0	15	11	2	1	0	2	5	90	PA GC
Pennsylvania	Υ		Y ¹				Υ			400	10.2				[Υ	Y	Y		Y	10		64		15	109		7	5	5	3	1	2	10	94	PA FC
New Jersey	Υ					Υ			Υ	150	7.0	Υ		Y	Y				Y		10	15	22	3	7	50		2		1	2			2	36	NJ
West Virginia	Υ			Υ	Y	Υ		Υ		218	2.0					Υ		Υ	Υ		12	24	14		38				2	2	1	1			20	WV
Maryland	Y			Υ	Υ	Y	Υ			200	10.0									[5	42		31				7		1	1		1		11	MD
Delaware		Υ	<u> </u>	Y	Υ	Υ	Υ			76	1.8			Y				[Y		11	11	10	13	22	27	0 :	1	0	0	1	Q	0	0	21	DE

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Footnotes for Table 4. Northeastern States

Maine

1Director of Bureau of Resource
Management, director of Bureau of
Administrative Services.
2Deputy commissioner appointed by
commissioner; chief warden appointed
by commissioner; director of Bureau of
Public Information appointed by
commissioner.

Vermont

1State law requires formal in-service training for wardens (25 hours/year) and deputy wardens (30 hours/year).

Massachusetts

level.

1Seven positions below agency head are appointed. Remainder are civil service.

2All technicians (MA does not distinguish between the two).

3Legal staffers at the Department

New York

1Some are non-competitive appointments.
2Thirty semester hours, associate's degree, or higher.
3Including marine.
4Including culturists.

Pennsylvania (Game Commission)

1Non-civil service selection and non-competitive appointments.
2Only if agency has a substantiated recruitment difficulty.

Pennsylvania (Fish Commission)

1Non-civil service selection process.

Table 5. Finances—Northeastern States

				_						_																			,
	Bo	ond	S	Fi W	ate sh ildli	& ife	f S Inv	ron ale est for ere	n es ted	Le Ap	Rece gist prop Ger	ency eive ativ oria era nds	s eiy ted	ildlife funds						В	udg	et							
Legend Y = Yes N = No U = Unlimited	e from	Bor ar issu	e Jed	ed by state law	t legislative approval	by state law								or Teaming With Wildlife fund		Prior prep					Auti itie ar alte	es e		Bu sys	ıdgı ten			begins on	
	Agency receives revenue from general obligation bonds	Capital improvement	Land acquisition	Separate and established by state law	Available for use without legislative approval	Protected from diversion by state law	Annual licenses	Lifetime licenses	Other	Yearly or biennially	For emergencies	For special projects	For capital construction	State has a match for	Governor or cabinet	Fish and wildlife board/commission or commissioner/secretary	State office of budget/planning	Legislative committee	Legislative budget officer	Other	Frequently	Seldom/never	Based on continuation	Based on planning, programming, and budgeting	Zero-based	By objective	Other	Agency's fiscal year begins	
Maine	Y	Ÿ	Ÿ	Ÿ		Ÿ	Ŷ	Y	Ϋ́	Ý	_	_		Y ²	Ÿ	Y	<i>",</i>	Ÿ	_		-	Ÿ	<u> </u>	Ψ 0	N	C.	Ĭ	7-1	ME
New Hampshire	N	Y	_	Υ		Y	Υ	Υ		Υ	-			N		Υ					_	Υ		Ŷ	⇈		П	7-1	NH
Vermont	Υ	Υ		Y		Y		Υ					_	Y ¹	Y							Υ	<u> </u>	Υ			П	7-1	VT
Massachusetts	Υ	Υ	Y	Υ		Y	Υ	Υ				Υ		Y¹		Y					Υ					Υ		7-1	MA
Connecticut	N	Υ	Υ		Υ	Y				Υ	Υ	Υ	Υ	N	Υ							Υ	Y¹	Υ				7-1	СТ
Rhode Island	Υ	Υ		Y	Υ	Υ	Υ			Υ				N	Υ	Υ	Υ	Υ	Y		Υ	•		Y				7-1	RI
New York	Υ	Υ	Υ	Y		Ÿ	Υ	Υ	Υ	Υ			Υ		Υ	Υ	Υ						Υ					4-1	NY
Pennsylvania	Y¹	Υ	Υ	Υ		Υ	Υ	Υ						Y ²		Υ						Υ	Υ	_		Υ		7-1	PA GC
Pennsylvania Fish Commission	Υ	Υ		Y	Υ	Υ	Υ	Υ		Υ				Y ¹		Υ		!		Ϋ́		Y					Υ³	7-1	PA FC
New Jersey	Υ	Y	Υ	Υ		Υ	Υ		Y ¹	Υ		Υ	Υ	Υ	Υ		Υ	Υ	Y	Υ²	Υ		Ш	Υ		Υ		7-1	NJ
West Virginia	N			Υ		Y		Υ	<u> </u>	Υ			Υ	Y ¹	Ш				Ĺ	Υ²		Υ	Υ					7-1	w
Maryland	N			Υ		Υ	Υ			Υ		Y		N	L	Y						Υ	Υ					7-1	MD
Delaware	Υ	Υ	Y	Υ		Υ	Υ			Υ_		Υ	Υ	Υ	Y	Υ	Y	Υ	Υ			Y	Į,			Υ		7-1	DE

Footnotes for Table 5. Northeastern States

Maine

1All department revenue. 2State income tax checkoff; conservation license plate funds.

Vermont

1Income tax checkoff; conservation license plate.

Massachusetts

1Income tax checkoff.

Connecticut

1Continuation with adjustments based on planning, etc.

Pennsylvania (Game Commission)

1Very infrequently.

2Agency funds; nongame tax checkoff funds; private initiatives.

Pennsylvania (Fish Commission)

1Wild Resources Conservation Fund. 2Executive director. 3Combination of items listed in this section.

New Jersey

1Nongame program license plate revenue; sale of Vernon Valley property. **2**Fish and game division.

West Virginia

1State general reserve funds. 2Fish and wildlife head.

Table 6. Planning and Policy—Northeastern States

	_					F	Planni	ng								_			Pol /lar			
	comprehensive ed by USFWS	ls are	according		nduc by	ted	is .	full-			eno elo									ission/board	y employees	
Legend Y = Yes N = No U = Unlimited	Agency has comprehensiv plan approved by USFWS	Legislative proposals based on F&W plan	Budgets prioritized according to plan priorities	Fish and wildlife agency	DNR or equivalent	State planning agency	Conservation plan is being developed	Planning is done by time planning staff	Regions	River basins	Watersheds	Lakes	Flood plains	Shore lands	Estuaries	Ecosystems/ecoregions	Other	Currently available	Updated regularly	Distributed to commission/board	Distributed to agency employees	
Maine	Υ	Υ	Υ	Υ				Υ¹										Υ	Y ²	N	Υ	ME
New Hampshire	~	N																Υ	\mathbf{Y}^{1}	Υ	Y	NH
Vermont	N	Υ	Υ_	Υ	Υ		Υ	N	Y		Y	Υ				Υ		Υ¹	Υ		Y^2	VΤ
Massachusetts									<u> </u>			_						Υ	N	Y	N	MA
Connecticut	N	N	Υ	Υ			N	Y		<u> </u>								Υ	Y	Y	Y	CT
Rhode Island	N	N																N				RI
New York	N	N							Y	Υ	Y	Υ		Υ	Υ	Y		N				NY
Pennsylvania Game Commission	N	N	N	Υ			Υ	N									Y¹	Y	Y²	Υ	Υ	PA GC
Pennsylvania	N	N	N	Υ			Υ	Υ										N				PA FC
New Jersey	_Y_	Y	Υ	Υ			Y_									Υ		N	N	N	N	NJ
West Virginia	N	Υ	Υ	Υ			Υ	Υ	Υ								Υ¹	N				W
Maryland	N	N		Υ			Υ	N								Y		N				MD
Delaware	N	Υ	Y	Υ			N	N			Υ				Y			Υ			Y	DE

Footnotes for Table 6. Northeastern States

Maine

1Coordination and technical assistance to line administrative units of agency.

2As needed.

New Hampshire

1Updated annually.

Vermont

1State personnel distribute policy and procedures manual.
2Maintained for access by all state employees.

Pennsylvania (Game Commission)

1State game lands (wildlife management areas) and species, species guilds and habitat guilds.

2As required.

West Virginia

1Species.

Table 7. Information & Education—Northeastern States

			_					_									_				l
	Information & Education Program Includes																				
Legend Y = Yes U = Unlimited	Agency has full-time	Number of permanent	Magazines	News releases	Radio	Television	Exhibits	Educational videos	Youth education	Adult education	Trapper education	Waterfowl ID	Education center	Nongame education		Boating education	Archery education	Project WILD	Aquatic WILD	Hunter education	
Maine	Y	4	Υ	Y	Υ	Y	Υ	Υ	Y		_1		Y	Υ	Υ	_1	-1	Υ		_1	ME
New Hampshire	Υ	14	Y	Y	Υ	Υ	Υ	Υ	Y	Υ	Y	Υ	Y	Y	Υ		Y	Υ	Υ	Υ	NH
Vermont	Y	2		Y			Υ	Υ	Υ	Y	Y			Υ	Y		Y	Υ	Υ	Υ	VT
Massachusetts	Υ	8	Y	Y			Υ		Υ	Υ	Y ¹	\mathbf{Y}^{1}		Y	Y			Υ	Υ	Y1	MA
Connecticut	Y	7	Y	Υ		Υ	Υ		Y	Y	Υ	Υ	Υ	Υ	Υ		Υ	Y		Υ	СТ
Rhode Island			Υ	Y			Υ	Y	Υ	Υ		Υ			Υ		Υ		Υ	Υ	RI
New York	Υ	58¹	Υ	Υ	Υ		Υ		Υ	Υ	Y	Υ	Υ		Υ		Υ	Υ	Υ	Υ	NY
Pennsylvania Game Commission	Υ	32	Υ	Υ			Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ			Υ	Υ		Υ	PA GC
Pennsylvania	Υ	18	Υ	Υ			Υ		Υ	Υ					Υ	Υ			Υ		PA FC
New Jersey	Υ	29	Y	Υ	Υ	Υ	Υ		Υ	Υ	Y		Υ	Υ	Υ		Υ	Υ	Y	Υ	NJ
West Virginia	Υ	3	Υ	Υ	Υ	Υ	Υ		Y				Υ	Υ	Υ			Υ	Υ		W
Maryland	Υ	3		Υ			Υ		Y	Υ	Y			Υ				Υ			MD
Delaware			Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ		Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	DE

Footnotes for Table 7. Northeastern States

Maine

1Administered by Safety Division as well as snowmobile/ATV education.

Massachusetts

1Administered by Division of Law Enforcement.

New York

1Total for division of public affairs.

Table 8. Research—Northeastern States

			ME	Ŧ	⋝	MA	C	æ	ž	A %	A 5	S	≩	MD	DE
Agency Conducts Research	wildlife management	≻	>	>-				>	>	>-	>-		>	\geq	
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	Conducts studies to	ried natewaten F	≻	>	>	>	>	>	>-		>	>	>	>	>
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Agency's Fisheries Research	Sonducts studies to exaluate	Freshwaler fish	>	Г	>		>		>-		>	>	>	>	>
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		Г			etts			Į,	ëë	ä	2				
		Maine	New Hampshire	Vermont	Massachusetts	Connecticut	Rhode Island	New York	Pennsylvania Game Commission	Pennsylvania Fish Commission	New Jersey	West Virginia	Maryland	Delaware	

Footnotes for Table 8. Northeastern States

Maine

1Environmental Protection Agency.
2Funds from income tax checkoff and conservation license plate dedicated to nongame wildlife conservation.

New Hampshire

1License revenues, donations, limited general funds.

2North American Oceanic and Atmospheric Administration.

3License revenues; donations.

Vermont

1Moose hunting license application ee. 2License fees.

Connecticut

1Endangered Species Act, Section 6 monies.

2Private grants; income tax checkoff funds.

3Interjurisdictional funds.

4Limited.

Rhode Island

1Endangered Species Act, Section 6 monies.

2Waterfowl and trout stamps.

Pennsylvania (Game Commission)

1Endangered Species Act, Section 6 monies.

Pennsylvania (Fish Commission)

1EPA Chesapeake Bay Program; Atlantic State Cooperative Fishery Act. 2Hydro-electric utility FERC settlement funds.

New Jersey

1Endangered Species Act, Section 6 monies.

2National Wild Turkey Federation; National Fish and Wildlife Foundation; private foundations, corporate grants. 3Also includes other shellfish.

West Virginia

1Endangered Species Act, Section 6 monies; federal agency contracts.

Maryland

1Environmental Protection Agency (via National Marine Fisheries Service). 2License fees.

Delaware

1Endangered Species Act, Section 6 monies.

2Nongame tax checkoff. 3ACFCMA.

Table 9a. Management and Operations—Northeastern States

	Act to	ive Pı Re	Properties	ogr erve ore	am ∍/	Agency Maintains, Develops, or Manages																Cap Wild										
Legend Y = Yes N = No U = Unlimited	:				endangered species	Access to private lands for							Public areas for						anag are	ate gemeas cally			farm facilities in 1995-96	h	Fish hatcheries				s wed law or mit	required	ments exist	
	Wetlands wildlife	Big game	Upland game	Nongame	80	Hunting	Fishing Boating Watchable wildlife Backpackers/hikers Campers Hunting Fishing Boating Watchable wildlife Backpackers/hikers Campers Waterfow! Big game Upland/small game Nongame Came farms Number of game far Warmwater fish Coldwater fish Saltwater fish Saltwater fish										Native species	Exotic species	Disease testing is rec	 ≺ ≺ ✓ /ul>												
Maine	Ý	Y	Y	Υ	Y	Ÿ	Y	Y	Ÿ		_	Ÿ	Ÿ	Y	Ŷ	Y	Y	Ÿ	Y	Ÿ	Ÿ	N			Ÿ	7,	9	Ŷ	Y	Y		ME
New Hampshire	Υ	Υ	Υ			Υ	Υ	Y	Υ			Υ	Υ	Υ	Υ			Υ	Υ	Y		N		_	Y	Υ	6	Y	Υ	Υ	_	NH
Vermont	Υ	Υ	Υ	Υ	Υ							Υ	Υ		Υ	Υ		Υ	Υ	-	Υ	N	_	Υ	Υ		5		Υ	Υ	Υ	VT
Massachusetts	Υ	Υ	Υ	Υ	Υ							Υ	Υ		Υ							Υ¹	. 1		Υ		5	Υ	Υ	Υ	Y	MA
Connecticut	Υ		Υ	Y	Υ	Y	Υ					Υ	Υ	Υ	Y	Υ		Υ		Υ	Y^1	N			Υ		3	Υ	Υ	N	N	СТ
Rhode Island	Υ	Υ	Υ	Υ	Υ	Υ						Υ	Υ			Υ		Υ				N		Υ	Υ	Γ	4	Υ	Υ	Y	N	RI
New York	Υ				Υ	Υ	Υ		Y			Υ	Υ	Υ	Υ	Υ	Υ	Υ		Υ	Υ	Υ¹	2	Υ	Υ		12	Υ	Y ²	Y^3	N ⁴	NY
Pennsylvania Game Commission	Υ	Υ	Υ	Υ	Υ	Υ						Υ			Υ	Υ		Υ	Υ	Υ		Υ¹	5					Y	Υ	Y ²	Y ²	PA gc
Pennsylvania Fish Commission							Υ	Υ					Y	Υ								N		Υ	Υ	Υ	15	Υ	Υ	N	N	PA FC
New Jersey	Υ	Υ	Υ	Y	Υ				Υ			Y	Υ	Υ	Υ						Υ	Y¹	1	Υ	Y		2	N	Υ	Υ	Y	NJ
West Virginia	Υ	Υ_	Υ	Υ	Υ						_	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ		Υ	N		Υ	Y		7	Υ		Υ1		WV
Maryland	Υ	Y	Υ	Υ	Υ	Υ	Υ					Y	Y	Y	Υ	Υ	Y	Y	Υ	Υ		N		Υ	Υ		6	Υ	Υ	N	N	MD
Delaware	Υ	Υ	Υ	Υ	Υ	Υ						Y	Υ	Υ	Υ			Υ	Y	Υ	Υ	N						Υ	N	N	N	DE

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Footnotes for Table 9a. Northeastern States

Massachusetts

1Ring-necked pheasant.

Connecticut

1Limited.

New York

1Ring-necked pheasant.

2Not regulated.

3For some species.

40nly for falconry.

Pennsylvania (Game Commission)

1Ring-necked pheasant.

2For some species.

New Jersey

1Ring-necked pheasant, bobwhite quail.

West Virginia

1If imported.

Table 9b. Management and Operations—Northeastern States

				ntin	_	Age Prov Tech	ides		⊃riv	ate	Lar	nds		Нι	iva Inti	ng		Aı	nima	 al [) Dan	ma	ge.		Es by	gul tab Ma ent	re lish inag	ed ge-	
Legend Y = Yes N = No U = Unlimited			·		regulations	Ass and Priv Lar owr	sist- e to ate nd-	Ag pı	enc)	proacce	omot ess	es to	relief law	Lic pe	ens ermi are quire for	es/ ts	0	Pre	dato trol is ducte	r S	p	Dan ayn ai ai	nag nen re orizo	ts					
	Does state have any?	Agency provides technical assistance	Full-time agency staff person	Preserve acreage is regulated	Operators set hunting re	Wildlife management	Fisheries management	Agency fees/services	Agreements with industry/ nonindustrial landowners	Cooperative programs with USDA	Gooperative programs with private organizations	Other	State has landowner liability	Big game	Upland/small game	Waterfowd	Extension trapper programs	Bounly payments	Cooperation with Animal Damage Control (APHIS)	Other	Predators	Віў дате	Waterfowt	Upland/small game	Big game species	Furbearers	Turkeys	Upland/small game	
Maine	Y	N	N	Υ	N	Υ	Υ	Υ	Υ		Υ		Y				Υ		Υ						Υ	Υ	Υ	Υ	ME
New Hampshire	Υ	N	N		Υ	Υ	Υ		Υ				Υ	Υ	Υ	Υ	Υ	_	Υ			Υ			Υ			Υ	NH
Vermont	Υ	N	N	Υ¹	N	Y	Y		Υ	Υ		Y^2	Υ	Υ	Υ	Υ	Υ		Υ	_		Υ			Υ		Υ		VT
Massachusetts	Υ	N	N	Y¹	Υ				Y				Ш		Υ²	Y ²									Υ³				MA.
Connecticut	Υ	Υ	N	Y ¹	N	Y ²	Y ²	Υ	Υ		Υ	Y ³	Υ		Υ	Υ		<u> </u>		N ⁴	<u>L</u>				Υ		Υ		CT
Rhode Island	Υ	N	N	N	N	Υ	Υ		Υ		Y.		Υ					_	Υ		L						Υ	<u> </u>	RI
New York	Υ	N	N	Y¹	Y ²	Υ	Υ	Υ	Υ_				Υ	Υ	Υ	Υ		_	Υ						Υ	Y	Υ	Υ	NY
Pennsylvania Game Commission	Υ	N	N	Y ¹	Y ²			Υ	Υ		Υ		Υ					<u> </u>	Υ	_		Υ³			Υ	Υ	Υ		PA GC
Pennsylvania Fish Commission							Υ	Υ	Υ	Υ	Υ		Υ	i															PA FC
New Jersey	Y	Υ	N	Υ	N	Υ	Υ						Υ							_	<u></u>		<u></u>		Y	Υ	Υ	Υ	NJ
West Virginia	Υ	N	N	N	N				Y		Υ		Υ							Y ¹	Y2				Υ		Υ		WV
Maryland	Υ	Υ	N	Y¹	N	Υ	Y	Υ²	Υ	Υ	Υ		Y^3		Υ	Υ		<u>_</u>	Υ		<u>L</u> .	Y ⁴			Υ		Υ		MD
Delaware	Y	N	N	Y¹	N.	Y	Υ	Υ	Υ		Y	Y^2	Υ		Υ	Υ						ļ			Υ	Υ	Υ	Υ	DE

Footnotes for Table 9b. Northeastern States

Vermont

1Acreage limit as to minimum acres. 2Coop. with rod and gun clubs.

Massachusetts

1Minimum: 100 acres; Maximum: 500 acres.
2Not distinguished from "fee bunting acres."

2Not distinguished from "fee hunting preserves" — these are considered the same thing in MA.

3Anterless deer only.

Connecticut

1Minimum: 300 acres; Maximum:
1,000 acres.
2As staff limitations allow.
3Very limited—purchase of recreational or access rights.
4No formal predator control program.

New York

1Minimum: 100 acres. 2For taking—not season dates.

Pennsylvania (Game Commission)

1For regulated shooting grands for upland birds and waterfowl; minimum size: 100 acres.

2Within state parameters.

3Bear only (livestock, beehives).

West Virginia

1Commercial. 2Bear.

Maryland

1Minimum: 200 acres.
2Services only.
3Provided no fee was involved.
4Black bear only (livestock, beehives, agriculture).

Delaware

1Minimum: 300 acres. 2Technical service to private landowners.

Table 10. Cooperative Programs and EIS Review—Northeastern States

	Maryland	New Jersey	Pennsylvania	Pennsylvania	New York	Rhode Island	Connecticut	Massachusetts	Vermont	New Hampshire	Maine		Legend Y = Yes N = No U = Unlimited	
	≺ -	< -	: -<	~	Υ	~	~	~	~	~	~	USFWS		
~	_	< -<	< -<		~	~	~	~	~	~		NOAA		ge
-≺ -	< -	< -	⟨ ≺	~	~	~				~	~	EPA		ह
-	<											Bureau of Reclamation		Agency Maintains Cooperative Program with
\coprod		Д.	<u> </u>	_	_							BLM		#
-	<u>≺ -</u>	< -	< <	~	~	<	≺			≺		NRCS (formerly SCS)		<u> </u>
≺ -	≺ -	< -	<u>{ </u>	~	<	L.			≺	~		Farm Services Agency (former	ly ASCS)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
		_ -	<	~	~		~			~		CSREES (formerly Agricultural Ex	tension Service)	With Co
	_ -	< -	< <	~	<		≺:		≺`	~	\prec	Forest Service		ြ မွ
≺ -	≺ -	<u> </u>	< <	~	~	~	~	~		<		Corps of Engineers		ä
-	<u>≺ -</u>	< <u>-</u>	<	~	~			≺		~	_	Other military groups		8
 ≺ -	≺ -	< -	< -<	~	<	~				≺	~	State highway department		קַ
≺ -	≺ -	<u> </u>	< <	_<	\preceq	~	~	~	~	~	_	Colleges & universities		6
≺ -	<u>≺ -</u>	<u> </u>	< <	_ <	≺			≺	~	~	\prec	Youth groups		=
< -	≺ -	<u> </u>	< <	~	<	~	~	~	~	~	~	Conservation/sportsmen's grou	ıps	
	≺			~	~							With military lands		PS
	1									≺.		With Forest Service		Sikes Ac Program
П												With BLM	•	Sikes Act Program
-< -	~ :	z -	< <	~	~	z	~	~	~	~	~	State EPA within state agency		
z-	- < ≥	z -	< -<	Z	~	~	~		z	z	z	State requires EISs		1
≺ -	≺ -	< -	< -<	~	~	~	~	~	~	~	~	Agency regularly reviews and corr]m
-	- <	< ⁻	∠ ∠	~				-		~		Requires agency review	<u>C</u>	Environ
-	≺ -	<	-<		≾	~				~	~	Reflects agency recommendations	arin g	
П-	-< -	< -	< ≺	~	₹	~				~	~	Includes recommendations for mitigation	ES and a state of the state of	ner
1	≺	-	<u> </u>	~	<u> </u>	~				~	-	Includes recommendations for enhancement	State clearinghouse for EISs	ita
 	~ -	↲	-<	~	~	~	~		~	~	-<	Agency is free to submit independ		
-< -	<u> </u>	√ -	< <	~	~		~	~	~	~	<u>-</u>	F&W funds		pa
-	√	-	<		~	~	~	~				General appropriations	EIS revi	유
			 	~	~							Fund transfers	rev by by	l sta
	\top		1									State clearinghouse	review in by	
		7	\$	_₹								Other	ew in funded	en
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~	\top		~			~						Other state agencies	cha EIS	mental Impact Statement Review
	\top		İ									Local agencies	inge inse	e¥
	-	<										Regional agencies	EIS review expenses are charged to	
~		<			-≾							Private agencies		
R	5 8	≨ Z	₇ P _A	gP,		꼬	잌	ŠΑ	<	Ξ	≤			

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Footnotes for Table 10. Northeastern States

Маіпе

10SP for FERC.

New York

1if provided.
2Developers and project sponsors.

Pennsylvania (Game Commission)

1Game fund monies for employee salaries and expenses.
2Qualified—one game commission employee is dedicated to and funded by reviews for highway construction projects.

New Jersey

1Depends on application and regulation.
2Tax checkoff, etc.

Table 11. Agency Lands and Waters—Northeastern States

	Payr for I Tit La ('95-	Fee tle nd	To Ag	ency 199	cres Land 5-96 of acre	lin	A	gency	cres / Lake of acre	es			liles (Rive ams		Ag	Agend Coope reem Land	erative ents with of acre	e for	C Agr L	oope eem	erativents ents with	e for	C Agi Riv	oope eem	cy Ha erativ ents Strea (miles	e for ms	
	Payments in lieu of taxes	Pay taxes	Purchased under fee title	Donated	Leased	Covered by easement	Purchased by fee title	Donated	Leased	Covered by easement	Purchased by fee title	Donated	Leased	Covered by easement	Individuals	Industry	Other state government agencies	Federal government agencies	Individuals	Industry	Other state government agencies	Federal government agencies	Individuals	Industry	Other state government agencies	Federal government agencies	
ME		N¹	90.0	6.0		5.0	983²				7.0					50.0	500		λ_3	Y ³	Y ³		Y ³	Y ³	Y ₃		ME
NH			18.0	1.0		10.3										3,500	220	720									NH
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MA		Y¹	87.1		33.2		.1542	0	0	0	0	0	0	0			Υ	Υ									MA
СТ	Υ		148	2.0	8.0	37.2	5.0				605		5.0	4.0	22.7	22.6	1.0	5.0	_			<u></u>					CT
RI			29.0	2.0	0	0	36.0	2.0	.02	6.0			<u> </u>		1.0	0	39.0		.02	2.0	0	0					RI
NY		Y¹	3,900										l 		400		_		1.0								NY
PA	Υ		1,300	2.5		1.4	4.31				600				3,900	600	5.0	24.0									PA
PA FC	Υ		23.0 ¹		11.5		17.0¹		7.5										Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	PA FC
NJ	Υ		245.4	13.2	11.0	1.0	3.0				39.0				21						9.7				124		NJ
W			254	5.0	215	0	1.0									75.8	3.0	125		2,0	16.0						Ŵ
MD			98.7	.350			1.3				2.0					.300	20.0	3.0									MD
DE			4.1	.025	0	0	2.2	.01	0	0.16						8.0	-				.01						DE

Footnotes for Table 11. Northeastern States

Maine

1State pays no taxes.

20wned by state.

3Cooperative agreements are mutual understandings. A very large but undefined amount of public waters across the state.

Massachusetts

1First year of state ownership only. **2**Under state law, almost all lakes and ponds over 20 acres are in state ownership.

New York

1Local taxes for state lands in Adirondack and Catskill Parks.

Pennsylvania (Game Commission)

1includes ponds.

Pennsylvania (Fish Commission)

1Fee title and easement.

Kentucky	Tennessee	Arkansas	Louisiana	Mississippi	Alabama	Florida	Georgia	South Carolina	North Carolina	Virginia	Committee	Legend Y=Yes
~	~	~	~			~		~	~	~	Fish and Wildlife is an indeper	ndent agency
				~	~		~				Fish and Wildlife is part of a la	
Г											Administration/personnel	
											Agriculture/food	
				_		_			r	-	Energy/geology	9
						-	-				Engineering	er
				~		_	~		-		Environmental protection/management	Other subdivisions
\vdash	1	-							<u> </u>		Forestry	ži į
	 				-		~				Historic preservation	If Fish and Wildlife Agency is a Subdivision visions in the parent agency include
			-	~		_		Г	1		Law enforcement	ns.
						<u> </u>	\vdash	-	<u> </u>		Legal/legislative affairs	in the
	T	-						T			Nongame/natural heritage/preserves	
	-					Γ					Operations	parent agency include
		_		~	~	_	~	Г			Parks/recreation	# E
						Г		Г	ļ		Planning	geri A
-				~		Г		Г		<u> </u>	Public affairs/information & education	icy Jer
	1				~	Г		Г			Soils/lands/real estate	
						Г		\vdash			Waste management	ude s
					≺		~				Water/marine resources	
					\preceq		3		_		Other	5
				≺	~		~				Political appointee	
	Г			~	~		~				Appointed by governor	
				_	~		≾				Reports to governor	G A
											Selected by civil service or ment system	nief a
									_		Other	ad L
			_	~					-	<u> </u>	Natural resources riignit, education or experience	Larger Agency:
											Hunting or fishing experience	istra
											Sponsorship by sportsmen's organization	ator Ag
\vdash										-	Sponsorship by sportsmen's organization Current hunting or fishing license	of
										-	Political affiliation	par cy:
								Г			Approval of legislature	
				~							Protected from removal except for cause	Chief administrator of parent agency
						_			1	_	Entitled to public hearing before removal	ncy
					4						Number of years per term	3 -
	_	-		C			_				Number of consecutive terms	Term
Z	Z	AR	-	_	2	_	_	SC	-	_		

Footnotes for Table 1a. Southeastern States

Georgia

1Pollution Prevention Assistance. 2Technically, reports to the Board of Natural Resources, but deals with the governor concerning day-to-day operations.

Alabama

1Marine Police.

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	Wild	ish a llife i epen geno	s an dent					/lust	hav	e		se	<u>10</u>			Sele	cted	l to r	ерге	sen	t		F	Repr	esei	nt			erm of offic			
<u>Legend</u> Y = Yes U = Unlimited	adn re	Chief ninistr ports	ator		nor	ucation or experience		organization	ense			oval except for cau	aring before remov	1	olitic artie			mmo		s	Othe peci	al								100	d meetings required/year	
	Unpaid commission or board	Govеrnor	Other	Number	Appointed by governor	Natural resources mgmt, education or experience	Hunting or fishing experience	Sponsorship by sportsmen's organization	Current hunting or fishing license	Political affliation	Approval of legislature	Protected from removal except for cause	Entitled to public hearing before removal	By taw	Regulation	Tradition	By law	Regulation	Tradition	By law	Regulation	Tradition	Counties	Regions	Slatewide	Other	Coincident	Slaggered	Years per term	Number of consecutive terms	Number of commission/board meetings required/year	
Virginia	Y			11							Υ¹					Υ							Y			Y ²	-	Υ	4	2	4	VA
North Carolina	Υ			17	Y ¹							Υ												Y ²	γ3			Υ	_4	U	2	NC
South Carolina	Υ			7	Υ						Y¹	Υ													Y ²	Y ³	Υ			U		SC
Georgia				16	Y							Υ												Υ	Υ			Υ	7	-1	6	GΑ
Florida	Υ			5	Υ						Υ	Υ												Υ				Υ	5	U	6 ¹	FL
Alabama				13 ¹	Υ			! 			L					 			Υ					Y				Υ	6	U	2	AL
Mississippi	Υ			5	Υ				Υ		Υ	Υ														Y¹		Υ	5	U		MS
Louisiana		Υ		7	Υ						Υ						Y¹							Υ¹	Y١			Υ	6	12	12	LA
Arkansas	Υ			В	Υ							Υ														Υ¹			7	1		AR
Tennessee	Υ			13							Υ	Y				r								Y¹	Y¹	Υ¹		Υ	6 ²	1 ³	6	TN
Kentucky	Υ			9	Y ¹						Ĺ	Y	Y	Y ²										Υ				Υ	4	U	4	KY

Footnotes for Table 1b. Southeastern States

Virginia

1There are no requirements, but board members usually meet most of the listed criteria.

2Congressional districts.

North Carolina

1Eleven of seventeen appointed by the governor. Six of seventeen selected by the legislature.

2Nine of seventeen.

3Eight of seventeen.

4Two for four years; six for two years; nine for six years.

South Carolina

1Senate.

20ne of seven.

3Six; one from each congressional district.

Georgia

1At governor's discretion.

Florida

1As policy, six are held each year.

Alabama

1Ten members, plus the governor, the commissioner of agriculture, and the director of extension service.

Mississippi

1Congressional districts.

Louisiana

1Three members must be from the coastal parishes and be representatives of the commercial fishing and fur industries. The other four are from the state at large and other industries.

20ne of seven serves a four-year term concurrent with governor. Remainder can only serve one, six-year term.

Arkansas

1Congressional districts.

Tennessee

1Nine commissioners from districts; two statewide legislative appointments; plus commissioner of environment and commissioner of agriculture.

2Governor appoints nine positions to six-year terms. Legislature appoints two positions to two-year terms.

3Governor's appointments are for a single term. Legislature's appointments serve consecutive terms.

Kentucky

1From a list of five names recommended by the sportsmen of each wildlife district.

2No more than five members can belong to the same political party.

Table 2a. Regulatory Authority—Southeastern States

Kentucky	Tennessee	Arkansas	Louisiana	Mississippi	Alabama	Florida	Georgia	South Carolina	North Carolina	Virginia	Y≡Yes ∪= Unlimited ろ	Legend	
		~				~	4	 i			Defined by constitution		Aut Con By
۔ کے	~		~	~	Y		~	~	~	~	Defined by law		Authority of Commission/ Board or Commissioner
	ᅺ	~	Υ	Y.			~				Limited to budget, regula and policy functions	itory.	
	~			~	~	~		٠			Law		Advisory Groups Mandat- ed by
Ц		~	-				≺				Regulation		sory lps
	₹2	<u> </u>	~	~	_		~	~	~		For persons found guilty	al Le	
Ц			~				~		_		For persons not prosecuted	Has license revocation authority	ပ္လ ့
]						₹.				Other	orit.	Agency/ Commission
≾.	~				≾	~				-<	No revocation authority	lse on	∄. 🖺 .
			~							İ	Limited to 1 year	D A	ssi
		$\overline{}$	~	~	\vdash	\vdash	~	~	~	\vdash	Greater than 1 year	Revoc- ation authority	
	\dashv	_	~	_	\vdash		-			\vdash	Allows revocations for life	Σij Ä Ç	
0	C	C	0	C	C	o	0	-	0	0	Open/close seasons		<u> </u>
ರೆ	Ö	Ö	O	-	C	0	0		0	0	Regulate bag limits		
বু	c	Q	G	0	C	o	O	o		İ	Close seasons with 48-hour no	otice	
ű	0	C	C		C	O	O			O	Extend seasons	<u> </u>	ାଜ୍ନ ଜନ୍ମ 🚉 📗
\mathcal{C}_{1}	C	C	C	C	0	O	n			O	Shorten seasons		
잂	೧	0	_	0	n	0	n	O	_	n	Open/close state managemen		ntity with C=commiss D=fish and o
몱	0	C	C	0	C	C	C	-	0	0	Close seasons for specific spe		
	၁၁	CC	0	0	C	0	C	-	C	0	Close seasons in specific loca Close seasons for attainment		돌인 <u>다</u>
· w	ö	C	0	o	Ť	o	1	\vdash	C	Ö	Limit number of hunters on fed		ntity with Discretionary Author C=commission/board, commissioner/sec D=fish and wildlife agency director/head G=governor
	O	C	C	C		C	C		0	O	Limit number of hunters on sta		age not
	O.	C		O						C	Limit number of hunters on co-		
	_	C						_		0	Limit number of hunters on pri		
		C	_	0	_	C		_	C	0	Limit number of hunters in spe		y / lssi
G	_	0	0	0		0	0	-	0	0	Require tagging of harvested to Require tagging of harvested s		one one
	_	n	G	n		0	0		0	c	Require tagging of harvested to		
ರ್ಷ ,	$\overline{}$	C	C	O		0	n	C	0	C	Require tagging of harvested t		
-		O	റ	C		0	O		O	റ	Require tagging of harvested v		Entity with Discretionary Authority to C=commission/board, commissioner/secretary D=fish and wildlife agency director/head G=governor
	_	O	O	C		0	C			ဂ	Require tagging of other harve		
_	\rightarrow	<u>ဂ</u>	0	0	<u> </u>	0	0		C		Require tagging of harvested a		
-~ +	인	0 4	Y	c Y	~	C	<u>~</u>	~	<u>с</u> Ү	C Y2	Require tagging of other harve Lies with fish and wildlife direct		
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\vdash			_				_	<u> </u>			Lies within separate agency		serv aw rcen
\vdash	≺			~	~		<	~			Wildlife biologists	ls shared by	Conservation Law Enforcement Authority
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	≺				L.	L	<u> </u>				Nongame biologists		
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<u>~ </u>	<u>≺</u>	~	~	Y	≺	~			≺	\vdash	Big game hunting during muzz	leloader season	<u>z</u>
┝╌┼	-	\dashv	\vdash			-	\vdash	\vdash	_		Fall turkey hunting		er an
\vdash	-	\dashv			_		\vdash	H		-	Spring turkey hunting Archery hunting		r Or Inda
 	-	\dashv			73	 	\vdash	~	~		Small game hunting		Hunter Orange Is Mandatory
돐	-	-{2			<u> </u>	-		\ \ 2	-		Other		y ge
_	킾		5	SM	Ł	P	GA	_	N _C	Ş			

Footnotes for Table 2a. Southeastern States

Virginia

1A court of law may order a revocation. 2The Marine Resources Commission has authority for marine waters. 3Deer only.

South Carolina

1By law and executive order of the governor.

2For deer gun season in certain zones and wildlife management areas.

Georgia

1Administrative revocation and revocation by court of jurisdiction.

Alabama

1To advise commissioner.2Courts may revoke for certain offenses.3During deer gun season.

Mississippi

1Includes budget, regulatory, policy, and personnel by statute. Involved in day-to-day operations, but not by statute.

Louisiana

1Director also has authority under flood conditions.

Arkansas

1Director also has authority.2Small game during big game seasons.

Tennessee

1Includes hiring/dismissal of agency director.
2Legislative penalties provide for revocation of license for some violations; judicial system is in control of revocations.

Kentucky

1"...advise the commissioner to take such actions as may be beneficial to the Department and in the interest of wildlife and conservation of natural resources." 2Revocation authority lies with the courts. **3**The commission approves the promulgation of administrative regulations governing these activities. Before adoption, however, administrative regulations go through a process that includes public comment and legislative review. 4The commission may close a season within 48 hours by emergency regulation with the governor's signature or as a provision of a regulation. The governor can close a season by proclamation within 48 hours during periods of extreme fire hazard. 5All hunters and persons accompanying them during firearms deer season, except migratory bird hunters and those hunting at night.

Fish

and Wildlife Director Has Authority to

Fees

State

Has a trapper harassment law

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Footnotes for Table 2b. Southeastern States

Virginia

1Limited.

2Legislature.

North Carolina

1Legislature.

Georgia

1Legislature.

2From a vehicle under power.

Florida

1Legislature.

Alabama

1Set by statute.

Louisiana

1Requires legislative action. 2You must possess a hunting or fishing license, or a Wild Louisiana stamp.

Arkansas

1For resident licenses. **2**For non-resident licenses.

Tennessee

1Regulatory authority on agencymanaged lands. 2Not hybrids. 3Legislature authorizes—commission establishes areas where fee applies.

Kentucky

1Authority is given to the commission by the legislature.
2Through administrative regulation process.

Table 3. Agency Administration—Southeastern States

Kentucky	Tennessee	Arkansas	Louisiana	Mississippi	Alabama	Florida	Georgia	South Carolina	North Carolina	Virginia	O ≡ Onlimited	Legend Y = Yes	
~	Υ	~	~	4	~	Υ	~	~	~	~	State has admini procedures act	strative	
!					~		~				At regularly schedule	ed intervals	Put
			~			<					Upon petition		P E
	~	"		~		~		~		~	At discretion of board/con or commissioner/secretar		Public Hearing Are Required
۲.	₹				۲.	~	٠		₹	₹	For certain actions		ngs
			~	~	⊀3						Governor	Sel	D <u>i</u> r
~	~	~		~		~		~	~	~	Board/commission or commissioner/secretary	Selected by	ecto
					≾		~				Civil service or state ment system rules	l by	H/He
					~	~	~			~	Based on marit	4	ad
C	c	C	⊂	c	c	C	_	C	⊂	c	Length of term	Ä	of Fi
			⊀.			~					Head can be reappointed to another term	Term of office	sh a
						_					Number of consecutive terms that head can serve	й	nd V
		~					~	~			College degree	Rec	Vildi
				~			~				College degree in a natural resources field	uired	ife A
	Z,						~				College degree in fisheries or wildlife	Required to have	Director/Head of Fish and Wildlife Agency
				~				~			Graduate degree	ave _	्ट्
3	Z	₽	⋝	S	₽	꾸	GA A	SC	N _C	Ş			

Footnotes for Table 3. Southeastern States

Virginia

1Required for promulgation of regulations.

North Carolina

1Required for promulgation of regulations.

Georgia

1For setting seasons and regulations for hunting and fishing.

Alabama

1APA does not apply to seasons/bag limits.
2Commission with governor's approval.
3Merit system.

Louisiana

1Serves at the pleasure of the governor.

Tennessee

1Season setting, rulemaking, mandated public notice. 2Preferred, but not mandatory.

Kentucky

1Promulgating administrative regulations.

Table 4. Personnel—Southeastern States

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		by		je	der	nt			Offi	cers]	ra:	inir	ng	s	Pro	vic	dec	1						Res	spo	nsil	oility	/ Is						
<u>Legend</u> Y = Yes u = Untimited	Civil service	Other merit system	Other	Biologists	Technicians	Conservation officers	d	College degree	ee	Average # of square miles covered per officer	Average # of licenses per officer (1000s of licenses)	By law	For the commission/board or commissioner/secretary	For new employees	For established employees	Periodically for all employees	For administrators	For biologists/lechnicians	For conservation officers	For information & education personnel	Central office administration	Other wildlife biologists	Other fisheries biologists	Wildlife technicians	Fisheries technicians	Conservation officers	Human dimensions/social sciences	Computers/GIS	Human resources	Contracting/procurement	Budgeting	Planning	Legal	Environmental impact assessment	Support staff (secretarial/clerical/receptionist)	
Virginia		Υ	_	Υ	Υ	Y	Υ			263	4.2					Y¹			Υ		17		24	31	33	165	0	13	3	2	1	1	0	1	64	VA
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Georgia		Υ		Υ	Υ	Υ	Υ			247	3.8	_		Y'	Υ	Υ		Y	Y	_	11	34	27	75		235		3	1	0	4	0	0	0	30	GΑ
Florida	Υ	Υ		Υ	Υ	Υ	Υ			185	2.5	L		A,	Ш	Υ			Υ	_	26	141	104	20	18	313	0	9	5	6	2	3	3	21	101	FL
Aiabama		Υ		Υ	Y	Υ	Υ			390	5.0	L							Υ		13	42	22	13	19	153									32	AL
Mississippi		Υ	Y ¹	Υ	Υ	Υ				214	2.3			Y'				Y	Υ	\Box	29	16	15	2	4	305	1	2	5	4	1	1	2	1	38	MS
Louisiana	Y¹			Υ	Υ	Υ	Y ²			245	4.6	Y		Y	Υ	Y	Υ	Υ	Υ	Υ	32	72	95	79	48	212		12	7	5	3	13	3	15	85	LA
Arkansas			Y ¹	Y	Υ	Y		Υ		800	2.5	Y		ļ			Y		Υ		11	42	39	34	25	141	0	7_	4	0	1	0	2	2	49	AR
Tennessee	Y¹			Y	Υ	Υ			Υ	239	8.8	Υ		Ϋ́	Υ		Υ	Υ	Υ	Υ	16	113²	113²	101 ³	101 ³	176		31	1	3			2		145	TN
Kentucky		Υ		Υ	Υ	Υ		Y ¹		240	3.5	<u> </u>	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	28	42	25	36	36	171		8	4	2	1	2	2.5	5	35	ΚY

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Footnotes for Table 4. Southeastern States

Virginia

1Classes are available to all employees through the Department of Personnel and Training.

South Carolina

1Deputy directors are appointed to serve at the director's pleasure.
2Or equivalent combination of education and experience.
3Plus 73 marine biologists and 20 marine technicians.

Mississippi

1Statutorily exempt positions, including part-time positions, may be appointed by the executive director.

Louisiana

1The assistant secretary, undersecretary, and deputy secretary are appointed by governor or director.

2Plus two years experience or 60 semester hours.

Arkansas

1 Interviews/application.

Tennessee

1Except assistant directors, attorneys, chiefs, and regional managers.
2Professional biologists and foresters.
3Non-degree technicians/equipment operators.

Kentucky

1Any BA or BS degree.

Table 5. Finances—Southeastern States

Kentucky	Tennessee	Arkansas	Louisiana	Mississippi	Alabama	Florida	Georgia	South Carolina	North Carolina	Virginia		<u>Legend</u> Y = Yes N = No U = Unlimited	
z	z	z	~	Z	Z	~	Υ	~	z	Z	Agency receives revenue general obligation bonds		8
				۲				~			Capital Improvement	<u> </u>	Bonds
П		_	~	~		~	~	~			Land acquisition	Bonds are issued	र्ष
7	~	~	~	~	~	~		~	~	≺	Separate and establishe	d by state law	π ≶ π Ø
			•								Available for use without		State's Fish & Wildlife
~		~	~	~	~	~	~		~	~	Protected from diversion	by state law	State's Fish & Wildlife
~	~	~	~	~	~				≺	~	Annual licenses		J J C J
		~	~	~	~	~		~	~	~	Lifetime licenses		ncome from Sales Sales nveste for nteres
3		₹.	_			-	-		<u>-<</u>	- <u>≺</u>	Other		Income from Sales Invested for Interest
			~	~	_	~	~	~	~		Yearly or biennially		
	_	Y 2									For emergencies		Agency Receives Legislatively Appropriated General Funds
	~		_	~		~		~	~	~	For special projects		eivo eivo lativ pria
			!			~	~	~		-	For capital construction		y es vely ated
z	z	~	z	ĸ	z	₹	-₹	z	z	z	State has a match fo	or Teaming With W	/ildlife funds
			~	~		~					Governor or cabinet		
~	~	~	~	Υ	Y	~	~	~	~		Fish and wildlife board/commission or commissioner/secretary State office of budget/planning Legislative committee Legislative budget officer	Prio	
			~			~					State office of budget/planning	lar itie	
		-	~		_	~					Legislative committee	S S S	
Ш			<			≺					Legislative budget officer	¥	
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~						~	~	~	~		Frequently	Author- ities are altered	Budge
	~	~		٧	~					~	Seldom/never	Author- ities are	et
Ш		≺	≺			~		≺	≺		Based on continuation		
-<				~	~	~	Υ2		≺	≺	Based on planning, programming, and budgeting	Budget System is	
				≺.			수 2				Zero-based	Budget Bystem is	
				≺							By objective	2. E	
	-₹					Y2					Other		
7-1	7-1	7-1	7-1	7-1	10-1	7-1	7-1	7-1	7-1	7-1	Agency's fiscal year	begins on	
Z	Ħ	⋛	5	Ζ.	<u> </u>	핃	જુ	SC	NO	\$			

Footnotes for Table 5. Southeastern States

Virginia

1All license fees are invested for interest. 2Fish and wildlife board working with cabinet secretary.

North Carolina

1All license fees are invested for interest.

Georgia

1Wildlife license plate, state tax checkoff. 2In transition to results-oriented budgeting.

Florida

1Nongame trust funds. 2Performance-based Program Budgeting.

Mississippi

1General funds; park user fees.

Arkansas

1All receipts are invested in interestbearing accounts.

2Amendment 75 to Arkansas

Constitution provides 1/8 of 1 percent of sales tax to be used partially by agency forwildlife programs.

Tennessee

1Comp. planning.

Kentucky

1All receipts are invested in interestbearing account.

Table 6. Planning and Policy—Southeastern States

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		Officer							⊱	∑	$\frac{1}{\sqrt{2}}$		
	for by by	Ecosystems/ecoregions											>
	Agency has plans for development/zoning by	seinsuts3											
	pla Zou	Shore lands											
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	Conducted by	MNG of equivalent				Υ							
	ပိ	Fish and wildlife agency	>	_		>	>		>	\	>	>	>
	according	Budgets prioritized to plan priorities	-72			z	>		>	z	>	>	z
		Legislative proposa based on F&W plar	z	N	z	N	Υ	Z	Υ	N	Υ	_	z
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		Legend Y = Yes N = No U = Unlimited	Virginia	North Carolina	South Carolina	Georgia	Florida	Alabama	Mississippi	Louisiana	Arkansas	Tennessee	Kentucky

Footnotes for Table 6. Southeastern States

Virginia

1Have detailed Federal Aid cost share project plans. 2Federal Aid plans.

3Annually.

North Carolina

1Annually.

South Carolina

1Every one to two years.

Georgia

1Planning for delivery of fish and wildlife services on a regional basis.

Mississippi

1State lakes, wildlife management areas, parks.

Louisiana

1Specific areas and species. 2As needed, at least annually. 3Part of the policy manual is distributed.

Arkansas

1For Federal Aid. 2Wildlife zones based on habitat. 3As needed.

Tennessee

1As needed, at least annually.

Kentucky

1Policies are issued and updated individually, as needed. A policy manual is being developed.

Table 7. Information & Education—Southeastern States

	ie i&E staff	ent positions		Ir	nfoi	ma	atio	n 8	ŁΕ	du	cat	ion	Pr	og	ran	n Ir	nclu	ıde	s		
<u>Legend</u> Y = Yes U ≈ Unlimited	Agency has full-time	Number of permanent	Magazines	News releases	Radio	Television	Exhibits	Educational videos	Youth education	Adult education	Trapper education	Waterfowl ID	Education center	Nongame education	Aquatic education	Boating education	Archery education	Project WILD	Aquatic WILD	Hunter education	
Virginia	Ŷ	14	Υ	Ÿ	Y	Y	Y	Υ	Y	Y	Υ		_	Υ	Υ	Υ	Υ	Υ	Y	Υ	VA
North Carolina	Υ	1	Υ				Υ	Υ	Υ	Υ			Υ		Υ	Y		Υ	Υ		NC
South Carolina	Υ	38	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ		Υ	Υ	Υ	Υ	Υ	Υ	Υ	SC
Georgia	Υ	5		Υ	Υ	Y	Υ	Υ	Y	Υ			Y	Υ	Υ	Υ		Υ	Υ	Ϋ	GA
Florida	Υ	38	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ		Y	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	FL
Alabama	Υ¹	5	Y	Υ																	AL
Mississippi	Υ	28	Υ	Y	Υ	Υ	Υ		Υ	Y			Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	MS
Louisiana	Υ	_33	Y	Υ			Υ		Υ	Υ			Y		Υ	Y		Υ	Υ	Υ	LA
Arkansas	Υ	25	Υ	Υ		Y	Υ	Υ	Υ	Υ				Υ	Υ	Υ	Υ	Υ	Y	Υ	AR
Tennessee	Y	21	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ		Υ		Υ	Υ	Υ	Y	Υ	Υ	Υ	TN
Kentucky_	Υ	60	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y.	Υ	Υ	Υ	Υ	KY

Footnotes for Table 7. Southeastern States

Alabama

1Part of umbrella Department of Conservation and Natural Resources.

Table 8. Research—Southeastern States

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Agency's Wildlife Research	Currently conducting	Furbearers	:		<u>></u>	>		'	>_	>		>	Ш
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		Legend Y = Yes U = Unlimited	Virginia	North Carolina	South Carolina	Georgia	Florida	Alabama	Mississippi	Louisiana	Arkansas	Tennessee	Kentucky
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Footnotes for Table 8. Southeastern States

Virginia

1Endangered Species Act, Section 6; Chesapeake Bay Program; Coastal Zone Management.

2Ducks Unlimited.

3Chesapeake Bay Program; U.S.

Forest Service.

4Private sector—Bass Anglers Sportsman's Society, Trout Unlimited, counties and cities, etc.

5Limited.

South Carolina

1Corps of Engineers; National Marine Fisheries Service. 2National Oceanic and Atmospheric Administration.

Florida

1Panther; state game; nongame. 2State Game Trust Fund.

Alabama

1Endangered Species Act, Section 6.

Mississippi

1Endangered Species Act, Section 6; Corps of Engineers mitigation; U.S. Fish and Wildlife Service.

2Income tax checkoff; Heritage Program. 3Endangered Species Act, Section 7. 4General fund.

Louisiana

1Challenge grants.
2National Marine Fisheries Service.

Arkansas

1Grants from U.S. Department of Agriculture.
2Private sector grants.

Kentucky

1Endangered Species Act, Section 6; Partners for Wildlife. 2National Wild Turkey Federation.

Table 9a. Management and Operations—Southeastern States

	Ac:	tive P Re	ncy Preseresto esto oitar	ogr erve ere	am; e/					A	ger	ю	Ma	inta	ains	;, D	eve	lop	es, c	or M	1 an	age								otive dlife		
Legend Y = Yes N = No U = Unlimited					gered species	,	\cce	ss t			ð		Pub	olic a	ìrea	s for		ļ	anag	as			farm facilities in 1995-96	h	Fi atch		95	allow by	law r mit	required	ments exist	ì
	Wetlands wildlife	Big game	Upland game	Nongame	Threatened & endangered	Hunting	Fishing	Boating	Watchable wildlife	Backpackers/hikers	Campers	Hunting	Fishing	Boaling	Watchable wildlife	Backpackers/hikers	Campers	Waterfowl	Від дате	Upland/small game	Nongame	Game farms	Number of game farn	Warmwater fish	Coldwater fish	Saltwater fish	Total # facilities in 1995-96	Native species	Exotic species	Disease testing is rec	Specific cage requirements	
Virginia	Υ	Y	Υ	Υ	Υ							Υ	Υ	Ý	Y	Υ	Υ	Y	Υ	Υ		N		Υ	Υ		9	Υ	Υ	N	Y¹	VA
North Carolina			Υ			Υ	Υ	Υ				Υ	Υ	Υ	Υ			Y	Y	Υ	Υ	N		Υ	Υ		4	Υ	Υ	Υ	Υ	NC
South Carolina	Υ				Υ							Υ	Y	Y	Υ	Υ	Y	Υ	Υ	Υ	Y	N		Υ	Υ	Y	В	Y	Υ	N	N	SC
Georgia	Υ	Υ	Υ	Y	Y	Υ	Υ		<u> </u>			Υ	Υ		Υ		Υ	Y	Y	Υ	Y	N		Υ	Υ		9	Y	Υ	Υ	Υ	GA
Florida	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	N	0	Υ			2	Υ	Y	Y¹	Υ	FL
Alabama	Υ	Y	Υ	Υ	Υ	Y ¹						Y	Υ	Υ	Υ			Y	Y	Υ		Y ²	2	Υ	Υ		2	Υ	Υ	Y	Y	AL
Mississippi_	Y	Y	Υ								_	Υ	Υ	Y	Υ	Υ	Υ	Υ	Y	Υ		N	<u> </u>	Υ	 		2	Y	N	N	Υ	MS
Louisiana	Υ	Y	Υ	Υ	Υ	Y	Υ					Y	Y	Y	Υ	Υ	Υ	Υ	L.	Υ		N		Υ	ļ. <u>.</u> .		5	Υ	Υ	Υ	Υ	LA
Arkansas	Υ	Y	Υ	Y	Υ	Υ	Υ	Υ				Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	N		Υ	Y		10	Υ	Y	Υ	N	AR
Tennessee	Υ	Υ	Υ	Y	Υ	Y	Υ		Υ			Υ	Y	Υ	Y			Y	Y	Y	Υ	N	<u> </u>	Υ	Y		9	Y	Υ	Y	Υ	TN
Kentucky	Υ	Υ	Υ	Υ	Υ							Υ	Υ	Υ	Y	Υ	Υ	Υ	Ц.	Y	Υ	N		Υ			2	Υ	Υ	Y ¹	Υ²	KY

Footnotes for Table 9a. Southeastern States

Virginia

1Rehabilitation only.

Florida

1For some species under certain conditions.

Alabama

1Most wildlife management areas are leased private lands.
2"Game Farm" houses display animals; "Sanctuaries" are sources for translocations.

Kentucky

1Limited. 2Minimal.

Table 9b. Management and Operations—Southeastern States

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	Does state have any?	Agency provides technical	Full-time agency staff person	Preserve acreage is regulated	Operators set hunting regulations	Wildlife management	Fisheries management	Agency fees/services	Agreements with industry/	Cooperative programs with USDA	Cooperative programs with private organizations	Other	State has landowner liability relief law	Від датле	Upland/smail game	Waterfowl	Extension trapper programs	Bounty payments	Cooperation with Animal Damage Control (APHIS)	Other	Preciators	Від дате	Waterfowl	Upland/smail game	Big game species	Furbearers	Turkeys	Upland/small game	
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Georgia	Y	Υ	N	Y¹	N	Υ	Υ		Υ				Υ				Υ		Υ					Ш			İ		GA
Florida	Y	Υ	N	Υ¹	Υ	Y	Υ	Y	Υ	Υ	Υ		Υ					_		<u>-</u>					Υ		Υ		FL
Alabama	Υ	Υ¹	N	N	N ²	Y	Υ		Υ				Y						Υ	Y^3	;				Υ	Υ	Υ	Υ	AL
Mississippi	Υ	N	N	Y¹	N								N						Υ										MS
Louisiana	Υ	N	N	Υ¹	N	Υ	Υ		Υ				Υ	Υ	Υ	Υ			Υ	Y^2					Y	Υ	Υ	Υ	LA
Arkansas	Υ	Y	N	N	Υ	Υ	Y	Υ	Υ	Υ	Y		Υ					_	Υ	Υ¹					Υ	Υ	Υ	Υ	AR
Tennessee	Υ	Y	N	Y¹	N ²	Y	Y	Υ	Υ	Υ	Υ		Υ	Υ	Υ	Y			Y	e					Y	Υ	Υ	Υ	TN
Kentucky	Υ	Y¹	N	Y ²	Υ³	Υ	Υ	L	Υ.				Υ			Υ ⁴			Υ	Υ ⁵				Ш	Υ			Υ	KY

Footnotes for Table 9b. Southeastern States

Virginia

1Minimum: 100; maximum: 3,000. **2**Deer.

North Carolina

1Minimum: 100; maximum: 1,000.

South Carolina

1Minimum; 100; maximum; 1,500.

Georgia

1Minimum: 100; maximum: 1,000—more acres possible with purchase of additional licenses.

Florida

1Minimum: 100; maximum: 1,000.

Alabama

1Limited.

2They could set more restrictive regulations.

3Nuisance alligator control program.

Mississippi

1Minimum: 100; maximum: 640.

Louisiana

1Minimum; 100; maximum: 2,000. 2Permitted, private animal damage control operators.

Arkansas

1Cooperative program with county governments.

Tennessee

1Minimum: 20; maximum: 640. 2Can be more restrictive than state agency.

Kentucky

1Through private lands habitat improvement program.

2Minimum: 200 (foxes), 300 (hoofed animals); maximum: 2,000.

3Except seasons.

4Commercial waterfowl shooting area permit.

5Agency makes traps/equipment available to landowners.

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	Kentucky	Tennessee	Arkansas	Louisiana	Mississippi	Alabama	Florida	Georgia	South Carolina	North Carolina	Virginia		Legend Y=Yes N=No U=Unlimited	
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The state dearinghouse College State Charge of the state agencies Charge of the state	~	~	~	~	~	~	~		~	~	~	Requires agency review	<u>C</u>	7 9
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Footnotes for Table 10. Southeastern States

Virginia
Information requests.

 Table 11. Agency Lands and Waters—Southeastern States

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	Payments in lieu of taxes	Pay taxes	Purchased under fee title	Donated	Leased	Covered by easement	Purchased by fee title	Donated	Leased	Covered by easement	Purchased by fee title	Donated	Leased	Covered by easement	Individuals	Industry	Other state government agencies	Federal government agencies	Individuals	Industry	Other state government agencies	Federal government agencies	Individuals	Industry	Other state government agencies	Federal government agencies	
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SC		_	126				1.0	.053	.155	.211			<u> </u>		50.0	500	40.0	650	.211								SC
GA			200	30.0			1.4	0	.189	0								450		3.6	.05						GA
FL	Υ		140	0	5,200	3.3	.300	0	0	0	0	0	0	0	189			2,303	0	0	2.0	0	0	0	0	0	FL
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KY			74.6	37.5	243 ¹		4.3		206							87.0	35,2	1,200		Υ		Υ					KY

Footnotes for Table 11. Southeastern States

Virginia

1The agency manages 43,000 miles of streams and rivers.

North Carolina

1City governments.

Louisiana

1Includes donated lands.

Tennessee

10nly wetland purchases since 1987.

Kentucky

1239,533 acres licensed from the U.S. Army Corps of Engineers, and 3,500 acres from Tennessee Valley Authority.

Kansas	Nebraska	South Dakota	North Dakota	Missouri	lowa	Minnesota	Wisconsin	Michigan	Illinois	Indiana	Ohio	Y = Yes U = Unlimited	— — —
	~		~	~							_	Fish and Wildlife is an independer	nt agency
~		~			~	~	~	~	~	 	4	Fish and Wildlife is part of a large	r agency
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										~		Historic preservation	Fig
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Γ					~		~		~			Legal/legislative affairs	If Fish and Wildlife Agency is visions in the parent agency include
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~						~	~		~			Planning	agency
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Footnotes for Table 1a. Midwestern States

Ohio

1Civilian conservation, Recycling and Litter Prevention.

Indiana

1Reclamation, Entomology.
2At the pleasure of the governor.

Illinois

1Scientific surveys.

Michigan

1The director is appointed by the Natural Resources Commission.

Wisconsin

1Serves at the governor's pleasure.

South Dakota

1Custer State Park.

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<u>Legend</u> Y ≠ Yes U = Unlimited	adm re	Chief ninistr ports	ator		глог	ducation of experience	ag .	i's organization	icense			Protected from removal except for cause	public hearing before removal	1	olitic artie		,	mmo Iroup		s	Othe pecia teres	al								SE	Number of commission/board meetings required/year	
	Unpaid commission or board	Govеrnor	Other	Number	Appointed by governor	Natural resources mgmt. education of	Hunting or fishing experience	Sponsorship by sportsmen's organization	Current hunting or fishing license	Political affiliation	Approval of legislature	Protected from ren	Entitled to public h	By taw	Regulation	Tradition	By law	Regulation	Tradition	By law	Regulation	Tradition	Counties	Regions	Statewide	Other	Coincident	Staggered	Years per term	Number of consecutive terms	Number of commission/boa	
Ohio				7	Υ					Y	Υ	Υ		Υ			Y¹								Υ			Y	4	U	4	ОН
Indiana				12	Υ	Υ¹				Y ²		Υ		Y ³			Y ³			Y ³					Υ			Y	3	Ü	4	IN
Illinois		Υ		11	Υ						Υ	Υ													Υ			Υ	4	U	4	IL
Michigan	Y ¹			7	Υ						Y ²	Υ	Υ	Y ³					Y4			Y ⁴			Y			Υ	4	U	12 ⁵	MI
Wisconsin	Υ	Y		7	Υ				<u></u>		Υ	Υ								Y					Y			Υ	6	U	12	WI
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Nebraska	Y		<u></u>	7	Υ	Υ				Y¹	Υ	Υ	Y	Υ1			Y ²	_	<u> </u>					Y			111	Y	5	1	4	NE
Kansas		<u>Y</u> _		7	Υ	N ¹	N ¹			ı			Υ	Y ²					<u></u>					Υ	Υ	Y ³		Υ	4	U		KS

Footnotes for Table 1b. Midwestern States

Ohio

1Two members are farmers.

Indiana

1Five of the 12 are citizen members appointed by the governor; two must have knowledge, experience, or education in natural resources conservation.

2Not more than three of the five citizen members can be of the same political party.

3Seven of the 12 members include the commissioners of: 1) department of transportation, 2) department of environmental management, 3) department of commerce, 4) department of natural resources; the chairmen of: 5) advisory council for the bureau of water and resource regulation, 6) advisory council for the bureau of lands and cultural resources; and the 7) president of the Indiana academy of science.

Michigan

1Paid expenses.

2Advise and consent of Senate.

3Not more than four of the seven can be of the same political party.

4Not consistent.

5Twelve minimum—once per month.

Missouri

1Generally.

North Dakota

1Sportsmen's groups. 2Two per district.

South Dakota

10nly one is required, but in practice they hold at least ten per year and more if necessary.

Nebraska

1Not more than four of the seven can be from one political party.

2At least 2 must be farmers/ranchers.

Kansas

1Supported in statute, but without specific requirements.

2Must be bipartisan representation. 3Geographic subdivisions are only informally considered.

Table 2a. Regulatory Authority—Midwestern States

Kansas	Nebraska	South Dakota	North Dakota	Missouri	lowa	Minnesota	Wisconsin	Michigan	Illinois	Indiana	Ohio	ν = Yes U = Unlimited	Legend	
				~						~		Defined by constitution		Com
~	~	~	~	~	~	~	~	~	~	~	~	Defined by law		Authority of Commission/ Board or Commissioner
<u> </u>		~					~	~		4	K	Limited to budget, regular and policy functions	atory,	of sion/ or loner
			~		~	~	~	~	~	~		Law		Advisory Groups Mandat- ed by
					~					4		Regulation		sory ups dat- by
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								~		~		For persons not prosecuted	Has license revocation authority	8
Y2											1	Other	cen atic	щĞ
	3											No revocation authority	Se Se	Agency/ Commission
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4						~						Lies within separate division of	f same agency	A The Sh
										~	100	Lies within separate agency		utt ord
₹5					~		~					Wildlife biologists	S	Inservation Law Inforceme Authority
					~							Fisheries biologists	ls shared by	Conservation Law Enforcement Authority
					~							Nongame biologists	ed	# 3
~	~	≺	~	~	~	~	~	~	~	~	<	Big game hunting during regul	ar firearms season	_I
	~	~	~	<	<	≺	~	<	<	~	<	Big game hunting during muzz	deloader season	Hunter Orange Is Mandatory for
												Fall turkey hunting		hau f
												Spring turkey hunting		for O
	Ц		_								Ц	Archery hunting		rai
						~		~	~	~		Small game hunting		λκ βυ
XX	NE	1								1	4	Other		(D

Footnotes for Table 2a. Midwestern States

Ohio

1Approve regulations; review/recommend programs.
2In cases related to hunting injury.
3Fish and wildlife director recommends and commission/board approves.
4All hunting except waterfowl during deer gun seasons.

Indiana

1Not budget, some personnel, regulatory and policy.2In some cases.3For permanent administrative rules; director has authority for temporary administrative rules.

Wisconsin

1The commission and the director have discretionary authority.

North Dakota

10nly some licenses—guide, bait dealer, etc. 2Governor has authority but usually acts on recommendation of the director.

Nebraska

1Current legislation could provide for it.

Kansas

1The commission lacks budget and personnel authority and has only regulatory and advisory authority.

2Only for specific issues—courts hold most revocation authority.

3The commission and the agency head have authority, which varies by species.

4There is a separate law enforcement division that handles only wildlife and boating enforcement.

5Wildlife area managers.

Y = Yes

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≺.	~	~	≺	~	≺	~	~	~	~	~	7	Inland wildlife		
							4					Coastal (brackish water) fish	8	
							~					Coastal (brackish water) wildlife	Administer	
												Marine fish	25	
												Marine wildlife	<u> हि</u>	
~	~	~	~		~	_	~	~	~			Boating		
	_<	~	'	ᅺ	~		~	~	~		_	ATVs/snowmobiles		<u> </u>
~					~		≺		~	\preceq	\prec	Inland wetlands		Fish and Wildlife Director Has Authority to
			_				~	_				Coastal (brackish water) wetlands		ם
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	~		_	_	~		_	~	-	~	~	Radio telemetry devices Two-way radios		≦
\vdash	7	7			रे		~	7		~	-<	All-terrain vehicles		르
					7		-	7		~	3	Off-road motorcycles		्रिक क
-	~	~		_	~		1	~	~	7	3	Other recreational vehicles		□.
7	~	~	~		~		7	~	÷	7	<u> </u>	Boating laws	27	0
₹	~			_	`		\	<u> </u>	-	~	-	Environmental laws	Regulate	당
₹	~	~	~	~	~	~	~	~	~	1	~	Wildlife depredation management	lat lat	1 =
7	-	`	→	~	_		~	~	~	 `	~	Taxidermists	TO TO	힣
\ <u>`</u>	7	7	~	`	\prec	~	~	~	≺	~	-	Wildlife rehabilitators		S
3	<u> </u>	~		~	<u> </u>	~	~	~	~	Ť	~	Animal damage control agents		15
₹	~	<u>-<</u>	~	~	~	~	~	~	~	~	~	Exotic wildlife) h
	~	~	~	~	~		-<	~	~	<u> </u>	\prec	Wolves/wolf hybrids		.] ÷
<u> </u>	~	~	~	~	~		~	~	~	~	~	Inter-/intra-state movement of wildlife		\times_*
₹	~	$\overline{}$	-<	~	~	~	~	-<	-<	≺	~	Hunting preserves		10
3	~	i	~	~		~	~	~	~	$\overline{}$	<	Game ranching		
~	~		_	~	~		~		~	~	~	Designate game and nongame	species	7
~	~	~		~	~	~	~	~	~	~	~	Manage reptiles/amphibians	·	
-	~	~		~	~	~	~	~	~	~	~	Manage invertebrates		
\vdash		~	-	~	~	~	~	<u>-</u> <	~	-<	~	Manage plants		-
	~			~	_	~	~	<u>`</u>	~	<u> </u>		Manage rare plant communities		\dashv
┢	~		~	_		~	-	~	7	~	~	Legislature		
Y2 Y2		~		~	~			\vdash		$\overline{}$			License fee authority set by	
<u> </u>	_			-	_	-		_	-			Commission/board/secretary	icense fe	}
<u> </u>				_			-	-				Fish and wildlife agency	y iy	
	₹						ļ	_			-	Other		_
\leq	~		~	_		~	≺		~	Y	_<	Legislature	Additional fees for species set by	
						<u> </u>						Commission/board/secretary	dition by	1
:		섷			~	!		₹.	~		~	Fish and wildlife agency	Additiona fees for pecies se	Fees
Y3 Y				Υ2							₹	Other		_ 0,
~	~	~	_	\prec	\prec					\prec	Y	Commission/board	Has authority to charge for use of manage-ment areas	
λ												Commissioner/secretary	Has authority to charge for use of manage-ment areas	
								_	~<			Fish and wildlife agency head	Has hority arge t lse of	
			≺		•	⊰		~				Other	e for to	
~	$ \cdot $	Z.	z	Z	~<	z	z	~	~		\prec	Agency charges for access to s		7
	П				4	~	~	~	~		~	Has a cased gun law		
	≺≲		~		~	~	≺	~	~	~	~	Prohibits loaded guns in vehicle	es	
۲ <u>۰</u> ۲			~	~	≺	~	~	≺	~	≺	<	Prohibits shooting from/near a		7
≺	~	~	≺		₹	≺	~		≺	~	~	Has a freedom of information a		State
≺	~	≺	≺		≺	~	~	~		≺		Has a wanton waste law] #E
≺	~	~	≺	≺	≺	~	≺	\prec	≺	≺	~	Has a hunter harassment law] -
	<	~				≺	~	~	~	≺	≺	Has a fisherman harassment la	w	
~	~	~	≺	~		≺	~	≺	<	≺.	≺	Has a trapper harassment law		
_	Æ	SD	몽	8	- 1	Σ	≦	≤	- 1	1	위			

Footnotes for Table 2b. Midwestern States

Ohio

10n owned or managed lands.

2Administrative authority for user fee.

Indiana

1Put and take hunting.

Michigan

1May establish application fees for certain game. 2Statutory.

Minnesota

1Legislature.

lowa

1Reserved waterfowl blinds.

Missouri

1As mandated by state law. **2**Commission.

North Dakota

1Legislature.

South Dakota

1All but non-domestic mammats.
2Legislature authorizes special licenses, but commission sets fees.

Nebraska

1Board can work within a range of increases. **2**Shotguns only.

Капѕаѕ

1Shared authority.
2Legislature sets maximum-minimum framework. Commission sets actual fees in most cases.
3Also commission.

4Except for coyotes.

Table 3. Agency Administration—Midwestern States

			B	z	=	Ξ	₹	Z	₹	MO	Q	SD	R	KS
ें	ave	Graduale degree												
gen	t P	College degree in fisheries or wildlife		>										
fe A	Required to have	College degree in a natural resources field								>				>
Vildli	Req	College degree								>				
20	Φ	that head can serve									n		n	
sh as	Term of office	Head can be reappointed to another term			72			>	>		>		>	
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ad o	٩	Based on menit		>						>				
Director/Head of Fish and Wildlife Agency	ý	Civil service or state ment system rules												
ecto	Selected by	Board/commission or commission or	χ.	>		>		>		>		γ2	>	
Öİ	Sele	Governor			>		>		>		>			>
sg p		For certain actions	7		۲,		۲,		7			7	7	>
Public Hearings Are Required	uoissimi	At discretion of board/com or commissioner/secretary	>				>	>		7			>	>
Rec		Upon petition		>			>	>					7	
Are	alsvietni b	At regularly schedule	>			7					×			
	evitents	State has adminis	>	>	>		>	>	*	*	٨	>	*	>
	Legend Y = Yes	U = Unimited	Ohio	Indiana	Illinois	Michigan	Wisconsin	Minnesota	lowa	Missouri	North Dakota	South Dakota	Nebraska	Kansas

Footnotes for Table 3. Midwestern States

Ohio

1Part of regulation-setting procedures. 2Chief administrator of parent agency.

Illinois

1Listing endangered and threatened species.
2Appointed by governor, approved by Senate, and serves as long as he/she continues to be appointed.

Michigan

1Negotiated contract.

Wisconsin

1For establishing changes in hunting/fishing/trapping regulations.

Iowa

1Administrative rule changes.

South Dakota

1Setting seasons, harvest quotas, setting fees, set refuges, methods; anything that involves rulemaking.
2Subject to approval of governor.

Nebraska

1Adoption of regulations.

Table 4. Personnel—Midwestern States

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			Fish		jen		1																													
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		by		10	der	it			Offi	cers		\square		חור	<u>19</u>	is i	Рго	VIC	ec	7						Res	spo	nsil	oility	/ Is				_		
<u>Legend</u> Y = Yes U = Unlimited	ļ	£				ers	d	nim egre	ee ed	are miles covered	ises per officer s)		For the commission/board or commissioner/secretary		S	\$88	,			on personnei	administration	ogists	ologists	SI	ans	sers	s/social sciences			rement				pact assessment	(secretaria/Iclerica/receptionist)	
76	Civil service	Other ment system	Other	Biologists	Technicians	Conservation officers	High school dipforma	College degree	College degree in natural resources or fish & wildlife.	Average # of square per officer	Average # of licenses (1000s of licenses)	By law	For the commission/board	Гог пем етрюуееs	For established employees	Periodically for all employees	For administrators	For biologists/technicians	For conservation officers	For information & education personnel	Central office adm	Other wildlife biologists	Other fisheries biologists	Wildlife technicians	Fisheries technicians	Conservation officers	Human dimensions/social	Computers/GIS	Human resources	Contracting/procurement	Budgeting	Planning	Legal	Environmental impact assessment	Support staff (secretar	
Ohio	Y			Y	Υ	Υ		Y		300	8.1	Υ		Υ	Y	Υ	Υ	Υ	Ÿ	Ÿ	42 ²	58		53	40	179		4	4	1	1	1	0	5	54	ОН
Indiana			Y ¹	Υ	Υ			Υ		175	3.7	Υ		Y	Y	Υ		Υ	Υ	Υ	15	56	34	0	0	205	1	1	1	1	1	2	1	5	45	IN
Illinois	Y			Υ	Υ	Υ		Y ¹		380		Υ				Υ			Υ																	ĬL
Michigan	Y		Y ¹	Υ	Υ		Υ			537	13.0					Y			Y																	MI
Wisconsin	Y			Υ	Υ	Y		Y		430	16.3								Υ		37	66	81	65	115	78										WI
Minnesota	Υ		Ţ	Υ	Υ	Υ		Y		467	11.0	Y		Y		Υ			Y				171	108	75	180		5	1	1	1	2		6	71	MN
lowa			Y ¹	Υ	Υ	Υ	>			721	6.2	Y		Y	Y			Υ	Y		244	35	28	65	37	78		4		2	5				50	IA.
Missouri			Y ¹	Υ	Υ	Y		Υ		430				Y	Υ	Y			Υ		18	125	102	105	111	162	3	43	11	6	2	2	1	4		МО
North Dakota	Υ			Υ	Υ	Υ		Y		2,400	7.0			Υ	Υ				Υ		14	22	10	10	6	29	0	2	0	0	0	1	0	4	9	ND
South Dakota	Y		Y¹	Υ	Υ	Υ			Υ	1,400	7.4	Υ		Y	Υ	Y	Υ	Υ	Υ	Υ	13	29	28	30	12	56	1	1	0	2	0	2	1	3	16	ŞD
Nebraska	Y ¹		Y ²	Υ	Υ	Y	Υ			1,800	7.5			Ÿ	Υ	Υ	Y	Υ	Υ	Y	18	35	29	12	16	51		3	2	3	8	2	0	4	27	NE
Kansas	Υ			Y	Υ	Υ			Υ	1,300	6.5	Υ		Υ	Ÿ	Υ	Υ	Υ	Y	Υ	40	25¹	35²			67	1	4	2	1	2	3	2	6		KS

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Footnotes for Table 4. Midwestern States

Ohio

1A degree in Natural Resources or criminology. **2**Includes District Office Administration.

Indiana

1State law and hiring policies.

Illinois

10r combination of college and field experience.

Michigan

1Six positions are appointed by the director.

lowa

1DAs selected by director; below DAs selected by state merit.

Missouri

1In-house selection process.

South Dakota

1Assistant directors are appointed by the fish and wildlife agency director with approval of the secretary.

Nebraska

10f the commission.

2Agency has adopted personnel rules and includes two union contracts.

Kansas

1Includes wildlife technicians, but not public lands managers, assistant managers, and conservation workers (37) most of whom are biologists by training. 2Includes fisheries technicians.

Table 5. Finances-Midwestern States

			HO	Z	=	Ξ	3	MN	A	MO	Q	SD	NE	KS.
	no sniged	Agency's fiscal year	7-1	7-1	7-1	10-1	7-1	7-1	7-1	7-1	7-1	7-1	7-1	7-1
		Other						72		150				Y \
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	dg dg	Desed-oreX							>					
	Budget system is	Based on planning, programming, and budgeting	>	>			>	>		>	>			>
		Based on continuation				>		>				>	>	
Budget	Author- ities are altered	Seldom/never	>					>	>	>	>	>	>	
9	a te a te	Frequently		>		>								>
<u>8</u>	-	Other	3	7							- 9			
	₽ ≳	Legislative budget officer					>	>	>				>	
	s a	Legislative committee			>	>	>	>	>		>		>	
	itie	State office of budgeVplanning		>	>	>	>	>	>				>	
	Priorities are prepared by	Fish and wildlife board/commission or commissioner/secretary					Y	>	7	>		Y	7	>
		Governor or cabinet	7	>	>	>	>		>		>	>		>
sbnuf etilbliv	V rith V rith V	State has a match fo	72	z	5	>	7	5	z	5	z	z	z	7
ed of		For capital construction		>	>	>	>	>	>					>
ncy sives ative oriat eral		For special projects		>	>	>		>	>			>		>
Agency Receives Legislatively Appropriated General Funds		For emergencies			>	>		>	>					>
A P. E. R.		Yearly or biennially	7		>	>	>	>	>				>	>
ot og o		Other									4			-
from Sales veste for teres		Lifetime licenses		>	>	>			>			1	>	>
Income from Sales Invested for Interest		Annual licenses	>-	>	>	>	>	>	>		>	>	>	>
0 M 0 -	by state law	Protected from diversion	>	>	>	>	>	>	>	>	>	>	>	>
를 다 들 다		Available for use without							_			>		
State's Fish & Wildlife Fund		Separate and establishe	>-	>	>	>	>	>	>	7	>	>	>	>
	sp pa L	Land acquisition	>		>-		>	>						
Bonds	Bonds are issued for	Capital improvement	>		>	>	>	>				>		>
88	luou s	Agency receives revenue general obligation bonds	>	z	>	>	>	>	z	z	z	>	z	>
,. L	Legend Y = Yes N = No U = Unlimited		Ohio	Indiana	Illinois	Michigan	Wisconsin	Minnesota	lowa	Missouri	North Dakota	South Dakota	Nebraska	Kansas
	10 = 0		Ō	Indi		Mich	Wisc	Minn	0	Miss	North	South	Nebi	Kar

Footnotes for Table 5. Midwestern States

Ohio

1For free license reimbursement less than 2% of annual budget.

2Income tax checkoff, special vehicle license tag sales.

3The Chief and senior administrators using our comprehensive management system.

Indiana

1C.M.S. - division of fish and wildlife.

Illinois

1State park fund, natural areas acquisition fund, E-plates, fish and wildlife fund.

Wisconsin

1Tax checkoff, vehicle license plate sales.

Minnesota

1Nongame Fund tax checkoff. **2**Performance based.

Missouri

1Conservation department sales tax.

Kansas

10nly partial. A new funding initiative is seeking an additional \$1 million. 2Also considers Federal Aid agreements and apportionments.

Table 6. Planning and Policy-Midwestern States

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Policy Manual		Updated regularly	>	>	>		5		7.	₹	>	_	5-	3-
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	su guit	estuante3												>
	pla	Shore lands					≻	7				⊁		
	as ent	Flood plains					>	7				_		
]	Agency has plans for development/zoning by	гэкег		>		>	>	7			>	>	Υ	\succ
	enc	Watersheds				7	≻	Υ				>		
	A Ag	River basins		>			≻				>	≻	≻	
		Regions .					≻	>		≻	≻	≻	≻	
Di Bu	- nj .	Planning is done by the planning staff	<u>ا</u> کا	>-				>-		Υ	≺			⊱
Planning	s	Conservation plan i being developed		>							>			
"	ted	State planning agency												
	Conducted	Justsviupa to AMO						λ						
	ပိ	Fish and wildlife agency	7	>			_	>		≻	>			>
	according	Budgets prioritized to plan priorities	>	>				>		>	>			>
		Legislative proposa based on F&W plan	>	>			Z	γ	Z	\	\	Z	Z	
		Agency has compre D ya by Oy	>	Z	Z	N	N	Z	Z	λ	Ν	Z	z	>
		Legend Y = Yes N = No U = Untimited	Ohio	Indiana	Illinois	Michigan	Wisconsin	Minnesota	lowa	Missouri	North Dakota	South Dakota	Nebraska	Kansas

9

Footnotes for Table 6. Midwestern States

Ohio

1Facilitated/coordinated by full-time planner. 2Species.

Michigan

1State game areas, parks, forests.

Wisconsin

1As needed.

lowa

1As needed.

Missouri

1Conservation areas. 2As needed.

Nebraska

1As needed.

Kansas

1Also by administrative and technical staff. 2Public land areas. 3As needed.

Table 7. Information & Education—Midwestern States

	ne I&E staff	ent positions		lr	nfoi	ma	atio	on 8	ķΕ	du	cat	ion	Pr	og	ran	n Ir	nclu	ıde	es.		
<u>Legend</u> Y≃Yes U=Unlimited	Agency has full-time	Number of permanent	Magazines	News releases	Radio	Television	Exhibits	Educational videos	Youth education	Adult education	Trapper education	Waterfowl ID	Education center	Nongame education	Aquatic education	Boating education	Archery education	Project WILD	Aquatic WILD	Hunter education	
Ohio	Υ	33	Υ	Υ	Υ	Υ	Υ	Υ	Υ·	Υ	Υ	Υ	Υ	Υ	Y		Υ	Y	Υ	Y	ОН
Indiana	Υ	8	Y ¹	Υ			Y		Υ	Y				Υ	Υ	Y ²		Υ		Y^2	IN
Illinois	Υ	371	Υ	Y		Y	Υ	Υ	Υ	Υ	Υ				Υ	Υ	Y	Y	Υ	Υ	IL
Michigan	Υ		Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ				Υ	Υ	Υ	Υ	Υ		Υ	MI
Wisconsin	Υ	17	Υ	Y	Y	Υ	Υ	Υ	Υ	Y				Υ	Υ			Υ	Υ		WI
Minnesota	Υ	1	Υ	Υ	Y	Y	Υ	Υ	Υ	Y	Υ	Υ		Υ	Υ			Υ	Υ	Υ	MN
lowa	Υ	12	Υ	Υ	Υ	Υ	Y	Y	Υ	Υ			Υ		Y			Υ	Υ	Υ	_IA_
Missouri	Y	70	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ		Υ	Υ	Υ	Υ	МО
North Dakota	Υ	9	Υ	Y		Υ	Υ	Υ	Υ	Υ		Υ		Υ	Υ	Υ	Υ	Υ	Y	Υ	ND
South Dakota	Υ	6	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ		Υ	Υ	Υ	Y	Y	Y	Υ	Υ	SD
Nebraska	Υ	38	Υ	Υ	Υ	Υ	Υ	Y	Υ		Υ		Υ		Υ	Υ	Υ	Υ	Υ	Υ	NE
Kansas	Υ	20	Y	Υ	Υ	Υ	Υ	Y	Y	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Y	Υ	Υ	KS

Footnotes for Table 7. Midwestern States

Indiana

1Department of Natural Resources magazine. 2Law enforcement.

Illinois

1Division of Education employees plus interpreters.

Table 8. Research—Midwestern States

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Agency Conducts Research		On biodiversity		<u>></u>	>	>	>-			>		>		
Agency Sonduct Researc		lu marketing		>-	>	>	>	>		>		>		>
<u> ~ ഗ്~~</u>		Using GIS/GAP analysis	>	>	>-	>	>-	>	>	>		>	>	>
	evaluate stocking of	Saltwater fish												Г
	Conducts studies to	Freshwater fish	>-	>-	>-	>	>	>	>-	>	>	>	>	>
-	introduced exotic	Saltwater fish	-		\vdash									\vdash
5	Conducts studies to evaluate	Freshwater fish	>	>	>	>	>	>	>	>	_	>	>	>
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		Legend Y = Yes U = Unlimited A8	Ohio	Indiana	Illinois	Michigan	Wisconsin	Minnesota	lowa	Missouri	North Dakota	South Dakota	Nebraska	Копере

Footnotes for Table 8. Midwestern States

Ohio

1Hunting license dollars; Partnership with Ruffed Grouse Society and other conservation organizations.
2Fishing license dollars; Ohio River Trust Fund; Lake Erie Protection Fund.

Illinois

1NBS-Gap, LTRM.

2Private—The Nature Conservancy, state habitat fund, state appropriations fund.

3Interjurisdictional Fisheries Act, National Biological Service state partnership grants.

4Wildlife preservation fund.

Michigan

1Endangered Species Act.

2State funds, private donations.

3State fish and game.

Wisconsin

1U.S. Forest Service, Environmental Protection Agency, NOS state partnerships, U.S. Fish and Wildlife Service Partners for Wildlife program and nongame bird program.

2Hunting and fishing fees; GPR grants; Sigurd Olson Institute; Great Lakes Protection Fund; utility companies; Wisconsin Department of Transportation.

3Environmental Protection Agency; U.S. Forest Service.

4State, industry, conservation group funds.

Minnesota

1License fees.

Iowa

1Trust fund. 2State matching funds.

Missouri

1Agency funds.

North Dakota

1U.S. Forest Service, Environmental Protection Agency. **2**License dollars.

South Dakota

1Endangered Species Act Section 6; Partners for Wildlife. 2South Dakota State University, University of South Dakota. 3Waiver of overhead costs by South Dakota State University.

Nebraska

1Bureau of Reclamation; National Biological Service; U.S. Fish and Wildlife Service. 2Rocky Mountain Elk Foundation.

2Rocky Mountain Elk Foundation. **3**Bureau of Reclamation; National Biological Service.

Kansas

1Non-federal wildlife fee funds.

	Act	tive Pı Re	Pr ese	erve	am e/					A	ger	ю	Ma	inta	ains	;, D	eve	lop	s, c	or IV	lan	age								tive Ilife		
Legend Y = Yes N = No U = Unlimited	1				gered species	,	Acce I		o pr s foi		•		Pub	olic a	area.	s for			алад are	ate jeme eas cally			game farm facilities in 1995-96	h	Fi atch	sh ierie	es_	alto by c per	s wed law or mit	required	ments exist	
	Wetlands wildlife	Big game	Upland game	Nongame	Threatened & endangered	Hunting	Fishing	Boating	Watchable wildlife	Backpackers/hikers	Campers	Hunting	Fishing	Boating	Watchable wildlife	Backpackers/hikers	Campers	Waterfowl	Big game	Upland/small game	Nongame	Game farms	Number of game farr	Warmwater fish	Coldwaler fish	Saltwater fish	Total # facilities in 1995-96	Native species	Exotic species	Disease testing is rec	Specific cage requirements	
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Indiana	Y	Υ	Υ	Υ	Υ	Υ	Υ					Υ	Υ	Υ	Υ	Υ	Υ					Y ¹	1	Υ	Υ		8	Υ	Υ	Υ	Y	IN
Illinois	Υ	Υ	Υ	Υ	Υ	Υ	Υ		Υ	Υ		Υ	Y	Υ	Υ	Υ	Y	Y	Υ	Υ	Υ	Υ¹	3	Υ	Υ		42	Y	Υ	N	Y^3	IL
Michigan	Υ	Υ	Υ	Υ	Υ	<u>Y</u>						Υ	Υ	Y	Υ	Υ	Υ	Y	Υ	Υ		N		Υ	Υ	<u> </u>	6	Y	Y ¹	Y^2	Υ	ML
Wisconsin	Υ	Y	Υ	Υ	Υ							Υ	Y	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y¹	1	Υ	Υ		14	Y	Υ	Y ²	Υ	WI
Minnesota	Υ	Y	Υ	Υ	Y							Υ	Y		Υ			Y	Υ	Υ	Υ	N		Υ	Y		6	Y	Υ	N	N	MN
lowa	Υ	Υ	Υ	Υ	Y	_						Υ	Υ	Y	Υ	Y	Υ	Υ		Υ	_	N		Υ	Υ		7	Υ	Υ	Y	N	IA.
Missouri	Υ	Υ	Υ	Υ	Υ	Y	Υ		<u></u>			Υ	Υ	Υ	Υ	Y	Υ	Υ		Υ	Υ	N		Υ	Υ		10	Υ	Υ	Υ	Υ	MO
North Dakota	Y	Y	Y	Υ	Υ	_	Υ	Υ				Υ	Y	Υ	Y	Υ	Y	Υ	Υ	Υ		N		Υ	Υ		1	Υ	Υ	Υ	N	ND
South Dakota	Υ	Υ	Y	Y	Υ	Υ	Y					Υ	Υ	Υ	Υ		Υ	Y	Υ	Υ		N		Υ	Υ		3	Υ	Υ	Υ	N	SD
Nebraska	Y	Υ	Υ			Y	Υ					Υ_	Υ	Υ	<u> </u>		Υ	Υ		Υ		Y ¹	1	Υ	Υ		5	Υ	Y		Y ²	NE
Kansas	Y	Υ	Υ	Y	Y	Υ	Υ					Y	Υ	Y	Υ	Υ	Υ	Y	Y	Y	Υ	N		Υ			L.	Y	Y	Y ¹	Υ¹	KS

Footnotes for Table 9a. Midwestern States

Ohio

1Ring-necked pheasants.

Indiana

1Ring-necked pheasants.

Illinois

1Ring-necked pheasants and quail. 2Plus nursery ponds at state sites. 3For some species.

Michigan

1Permit not required.
2TB test for deer and elk that are transported within state; all species imported.

Wisconsin

1Pheasants. 2Only for cervids.

Nebraska

1Canada geese—closing in 1997. 2A strengthened law is being proposed in 1997.

Kansas

1For some species.

Table 9b. Management and Operations—Midwestern States

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	Does	Agency provides technical	Full-time agency	Preserve	Operators	Wildlife management	Fisheries management	Agency fees/services	Agreements with industry/ nonindustrial landowners	Cooperative programs with USDA	Cooperative programs with private organizations	Other	State has landowner liability relief law	Big game	Upland/small game	Waterfowl	Extension trapper programs	Bounty payments	Cooperation with Animal Damage Control (APHIS)	Other	Predators	Big game	Waterfowl	Upland/small	Big	Furbearers	Turkeys	Upland/small game	
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Indiana	Y	Y	N	Υ¹	Y ²	Υ	Υ						Υ						Υ						Υ		Υ		IN
Illinois	Y	Υ	N	Y¹	N	Υ	Υ	Υ	Y		Υ		Υ	Υ	Υ	Υ				Υ²					Υ	Υ	Υ	Υ	1L
Michigan	Υ	N	Y	Υ¹	Υ²	Υ		Υ					Υ												Υ	Υ	Υ		MI
Wisconsin	Y¹.	Y ²	N	Y^3	Υ	Υ	Υ	Υ	Υ	Y	Y		Y	Υ	Υ	Υ	i		Υ	Υ		Υ	Y		Υ		Υ		WI
Minnesota	Y	Y	N	Υ¹	Υ	Υ	Y				Υ		Υ	Υ	Υ	Υ	Υ		Υ						Υ	Υ	Υ		MN
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Missouri	Y	Υ	N	Υ	Υ	Υ	Υ .		Υ	Υ	Υ		Y				Y		Υ						Υ	Υ		Υ	МО
North Dakota	Υ	N	N	Υ	N	Y	Y		<u></u>				Y						Y						Υ		Υ		ND
South Dakota	Y	Υ	Υ	Υ¹	Y ²	Υ	Υ	Y	Υ				Υ				Υ	Y^3	Υ						Υ	Υ	Υ	Υ	SD
Nebraska	Υ	N	N	Υ¹	Y ²	Y ³	Y^3		Υ	Υ	Υ		Υ	Υ	Υ	Υ			Υ						Υ		Υ		NE
Kansas	Υ	Υ	N	Y¹	N	Υ	Y	Υ	Y				Υ				Υ		Υ	Y²			_		Υ	Y ³	Υ	Υ³	KS

Footnotes for Table 9b. Midwestern States

Ohio

1Minimum: 80 acres.

2Nuisance wild animal trapping permit.

indiana

1Minimum: 100 acres; Maximum:

640 acres.

2Seasons and bag limits.

lilinois

1Minimum: 200 acres; Maximum:

1,280 acres.

2Nuisance animal control permit.

Michigan

1Regulated for gamebirds: mallards have a minimum of 50 acres; upland game at least 80 acres. A single licensee cannot exceed 640 acres. Total acreage in licensed gamebird preserves cannot exceed 1% of the county land mass.

2Big game preserve operators cannot.

Wisconsin

1Private.

2For pen specifications.

3Maximum of 640 acres.

Minnesota

1Minimum: 100 acres; Maximum:

1,000 acres.

lowa

1Assigned to law enforcement. 2Snowmobile trail agreements and

ATV area grants.

South Dakota

1Minimum: 160 acres; Maximum

1,280 acres; but one person may have two preserves with maximum acreage.

2Within guidelines set by

commission.

3Only when commission determines that the average price for raw furs in the round for the preceding winter is below \$5 per animal.

Nebraska

1Maximum: 1280 acres.

20nly within agency parameters.

3Very limited.

Kansas

1Regulated by limitation on percent

of county eligible.

2Private animal damage control

specialists.

3Two regions.

Table 10. Cooperative Programs and EIS Review—Midwestern States

Kansas	Nebraska	South Dakota	North Dakota	Missouri	ewoi	Minnesota	Wisconsin	Michigan	Illinois	Indiana	Ohio		Legend Y=Yes N=No	
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Footnotes for Table 10. Midwestern States

Ohio

1Infrequently.

Kansas

1Sometimes.

Michigan

1Department of Environmental Quality.

2For some permitting actions.

3Threatened and endangered species review.

4Wildlife division.

5Mostly.

6Nongame Fund (minor).

Table 11. Agency Lands and Waters—Midwestern States

	La	Fee tle	T Ag	jency 199	cres (Land 5-96 of acre	ìn	A	otal A gency	Lake	es		otal N jency Stre	Rive		Ag	Agend Coope preem Land ,000s	erative ents with of acre	e for	C Agı L	oope reem ake:	cy Ha erativ ents s with	e for า	C Agı Riv	oope reem ers/\$	cy Ha erativ ents Strea (miles	e for ms	
	Payments in lieu of taxes	Pay taxes	Purchased under fee title	Donated	Leased	Covered by easement	Purchased by fee title	Donated	Leased	Covered by easement	Purchased by fee title	Donated	Leased	Covered by easement	Individuals	Industry	Other state government agencies	Federal government agencies	Individuals	Industry	Other state government agencies	Federal government agencies	Individuals	Industry	Other state government agencies	Federal government agencies	
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KS		Υ	74.3		20.0		24.0					l		<u> </u>		<u> </u>		170				30.3					V9

Footnotes for Table 11. Midwestern States

Ohio

1Agreements for municipal lakes cover 30,000 acres; Lake Erie and Sandusky Bay cover 2.3 million acres. 214,650 acres with Pennsylvania. 30hio River - 250 miles with West Virginia.

Michigan

1Gift and tax reverted.

Wisconsin

1Figures listed under "Total Acres of Agency Land" include lakes. These are not tracked separately.

lowa

1Includes lakes, rivers, streams. These are not tracked separately.

South Dakota

1Except for fishing access lands. 2Primarily lands under management license with federal agencies such as the Corps of Engineers.

Nebraska

10n wildlife lands only.

Table 1a. Agency Organization—Interior Western States

Oklahoma	Texas	New Mexico	Arizona	Colorado	Utah	Nevada	Wyoming	Idaho	Montana	<u>Legend</u> Y = Yes ∪ = ∪ntimited		
-	~	~	~				~	~	~	Fish and Wildlife is an independent agency		
Г				~	~	~				Fish and Wildlife is part of a larger agency		
		Г			≺					Administration/personnel		
							Г			Agriculture/food		
				~	~					Energy/geology	급	
					~					Engineering	<u>ब</u>	
						<				Environmental protection/management		
Г					~	~				Forestry	Other subdivisions	=
										Historic preservation	Sign	If Fish and Wildlife Agency is a
										Law enforcement	 S	🕺
					~					Legal/legislative affairs	n the	2
						~				Nongame/natural heritage/preserves		
										Operations	parent agency include	l E
				~	≺	~				Parks/recreation	i i	Fi
					≺					Planning	gen	اچ ا
					~			Γ		Public affairs/information & education	_5	Jen Jen
						-<		Γ		Soits/lands/real estate	립	ହା
										Waste management	de	<u>0</u>
				~	~	~				Water/marine resources		
				≾		₹				Other		Subdivision
Г				≺	≺	~		Γ		Political appointee] ∯
				~	<	~				Appointed by governor		<u>s</u> :
	Ţ,			~	≺	~				Reports to governor	유	
										Selected by civil service or merit system	<u>e</u>	of a
										Other	ם	i
					≺					Natural resources mgmt, education or experience	administrator of	_arger Agency:
									Ī	Hunting or fishing experience	Str	막
				_						Sponsorship by sportsmen's organization	ਰੁੱ	A
	-						_		_	Current hunting or fishing license	유	[꽃
						Г			_	Political affiliation	la E	%
										Approval of legislature	17.	
										Protected from removal except for cause	parent agency	
										Entitled to public hearing before removal	Ω Q	
										Number of years per term Number of consecutive terms		
				\subset		U			1	Number of consecutive terms		
웃	₹	Z	ΑZ	ဝ	TU	Z Z	ş	ō	M	<u> </u>		

Footnotes for Table 1a. Interior Western States

Nevada

1Conservation districts.

Colorado

1Geological survey, state board of land commissioners, soil conservation board, water conservation board.

	lf F	ish a	and						-						Ę	3oa	rd 1	vlen	nbe	rs		·										
	Wildlife is an Independent Agency:						<u> </u>	/lust	hav	e		Ise	/al		;	Sele	cted	l to r	epre	sen	t		 	Repr	eser	nt			ern of			
<u>Legend</u> Y = Yes U = Unlimited	adn re	Chief ninistr ports		nor	ucation or experience	a,	s organization	asua			oval except for cau	aring before remov		olitic partie		1	nmo		s	Othe pecia teres	al		:		1					d meefings required/year		
	Unpaid commission or board	Governor	Other	Number	Appointed by governor	Natural resources rigimit, education or experience	Hunting or fishing experience	Sponsorship by sportsmen's organization	Current hunting of fishing license	Politicat affiliation	Approval of legislature	Protected from removal except for cause	Entitled to public hearing before removal	By law	Regulation	Tradition	By law	Regulation	Tradition	By law	Regulation	Tradition	Counties	Regions	Statewide	Other	Coincident	Staggered	Years per term	Number of consecutive terms	Number of commission/board meelings required/year	
Montana		Υ		5	Υ						Υ	Υ	Υ				Y¹							Υ				Y	4	U		MT
Idaho	Υ			7	Υ		Υ			Υ	Υ			Υ		ļ. <u>-</u> .								Υ				Υ	4	U	4	ID
Wyoming	Υ	Υ		7	Υ			<u> </u>		Υ	Υ	Υ	Υ	Υ					Y¹				Υ					Υ	6	1	2	WY
Nevada			- 1	9	Υ				Y ²			Υ					Y^3			Y ⁴					Y ⁵			Υ	3	U	- 6	ΝV
Utah			Y ¹	7	Υ	Y ²	$ldsymbol{f eta}$			<u> </u>	Y^3								<u> </u>					Υ				Υ	4	1		UT
Colorado				8	Υ						Y,	Υ		Y ²			Y ³			Y ³				Υ	Υ	Υ ⁴		Υ	4	U		CO
Arizona	Y			5	Υ		Υ		<u>.</u>	Y	Υ	Υ	Υ	Y¹												Y ²		Υ	5	U	43	ΑZ
New Mexico	Υ			7	Υ						Υ		<u> </u>	Υ			Y		Υ			Y¹		Υ	Υ			Υ	4	U		NM
Texas	Y		<u> </u>	9	Υ						Υ	Υ													Υ			Υ	6	U	4	TX
Oklahoma	Υ			8	Υ						Υ	Y			<u> </u>				- 1		Ŀ	1.0	Y	Υ				Υ	8	Ų	12	οк

Footnotes for Table 1b. Interior Western States

Montana

10ne must be a rancher.

Wyoming

1Ranching/agriculture.

Nevada

1Director of the Department of Conservation and Natural Resources. 2Only the five sportsmen members. 3One must represent ranching; one must represent farming. 4One must represent the general public; one must represent conservation of wildlife; five must represent sportsmen. 5No more than three per county. 6Up to nine.

Utah

1The executive director of the Department of Natural Resources.
2One of several possible areas of expertise; including habitat management (terrestrial and aquatic), business (including private lands issues) and economics (including knowledge of recreational uses). Each area must be represented on the Board.
3Approval of the Senate.

Colorado

1Senate.

2But no more than four of the eight members from the same political party.
3One of eight members each from livestock producers, sportsmen/outfitters, agriculture, wildlife organizations, and boards of county commissioners.
4Five of eight members from regions (groups of counties) and three at large.

Arizona

1Not more than three of five from any one political party.
2Generally by region, but it is the call of the governor and it varies.
3At least.

New Mexico

1Ranchers, environmentalists, commercial wildlife-related enterprises.

able 2a. Regulatory Authority—Interior Western States

Oklahoma	Texas	New Mexico	Arizona	Colorado	Utah	Nevada	Wyoming	Idaho	Montana	Legend Y=Yes U=Unlimited	
~				~						Defined by constitution	Con Pu
~	~	~	~	~	~	~	~	~	~	Defined by law	Authority of Commission/ Board or Sommissione
		~		1_	<u> </u>	4			~	Limited to budget, regulatory, and policy functions	Authority of Commission/ Board or Commissioner
	~				~	~				Law	Advisory Groups Mandat- ed by
										Regulation	sory lps dat- by
<	~		~	<		~		1	~	For persons found guilty and T	
	~	~			<					For persons not prosecuted	0
	~	<u> </u>							1_	For persons round guilty For persons not prosecuted Other No revocation authority	13,≥
	Ť	Ť							-	For persons found guilty For persons not prosecuted Other No revocation authority	m e
	~						-				Agency/ Commission
	-	~	~	~	~	~	-	~	~	Greater than 1 year Allows revocations for life Allows revocations for life	or ~
-	_		-	~		-	-		~	Allows revocations for life	-
_	0	-	-	-	0	0	-	C			
00	C	C	0	C	C ₂ C	0	C	C	0	Open/close seasons Regulate bag limits	-
0	.,	0	1.	C	0	1	0	0	0	Close seasons with 48-hour notice	1 _
0	C	ű	0	0	C	C	0	C	0	Extend seasons	000 <u>m</u>
n	C	C	0	C	n	C	O	0	0	Shorten seasons	40 8 9
n	S.	C	O	C	D	O	C	C	O	Open/close state management areas to hunting and fishing	Ne and A
n	Q.	O	C	n	C	O	C	C	C	Close seasons for specific species	Entity with Discretionary Authority to C=commission/board, commissioner/secretary D=fish and wildlife agency director/head G=governor
n	ű	O	0	0	C	O	0	C	O	Close seasons in specific localities	ا الله
n		O	0	0	O	0	0	0	0	Close seasons for attainment of quotas	
_	0	C	0	IN		C ₂	0	C	C	Limit number of hunters on federal lands	ag of of
C C	ů,	C	C	I _N	-	CiCi	0	0	[m	Limit number of hunters on state lands Limit number of hunters on county lands	en c
.,		0	0	I,	0	C	0	C	C	Limit number of hunters on private lands	\$ 9 D
0	Q.	O	0	C	0	-	O	0	O	Limit number of hunters in species management units	nary ommiss cy direc
C	O	O	0	C	O	0	0	0	C	Require tagging of harvested upland game birds	i di Si ≥
ດ	C	C	C	C	C	C	C	C	O	Require tagging of harvested small game mammals	3 5 5
0	O	O	O	0	O	O	O	a	C	Require tagging of harvested big game mammals	sad sad
0	C	C	C	O	C	O	O	C	O	Require tagging of harvested turkeys	
2	C	C	C	C	C	C	C	n	C	Require tagging of harvested waterfowl	Authority to sioner/secretary ctor/head
0	CC	CC	C	C	0	O	C	C	0	Require tagging of other harvested migratory game birds Require tagging of harvested anadromous/catadromous fish	
0	C	C	C	C	C	C	C	0	C	Require tagging of other harvested fish	
<		~	~	~	~	~	~	~	~	Lies with fish and wildlife director	- 0
	~		-							Lies within separate division of same agency	~ = 8
	-	-		-	-						E fo L DS
-	-	_	1	-	-			-	_	Lies within separate agency	tho en
4		~	1	43	Y3 Y	~	-	~	_	Wildlife biologists Fisheries biologists Nongame biologists	Conservation Law Enforcement Authority
<		~	1_	3	3		_	~		Fisheries biologists 5	en io
			-	43	₹ 3	~		~		3	
くく	-			<u> </u>	~	-	~	_	3	Big game hunting during regular firearms season	E I
_	_	_	-	~				_	Y 3	Big game hunting during muzzleloader season	Z II
		_	-				H			Fall turkey hunting	급
-	-				_	_			-	Spring turkey hunting Archery hunting	of and of
			-					-	-	Small game hunting	Hunter Orange Is Mandatory for
\dashv	₹3	-	T _e				4		\dashv	Other	3 B
_		MN	AZ	CO	UT	N	WY	D	3	estre)	19

Footnotes for Table 2a. Interior Western States

Montana

1Decisions made are then commonly referred to the courts.

2Several answers possible.

3If there were one.

Wyoming

1Recommended or required on some department management areas for pheasant hunting.

Nevada

1Regulatory, policy, some contested cases and budget authority.

2Indirectly and only to a general extent.

Utah

1Limited to policy and regulatory functions only.

2Fish and wildlife agency director/head has authority in emergencies only.

3Shared by some qualified biologists through 1997; terminated after 1997.

Colorado

1Acquire, lease, sell, or exchange property; capture, sell, or exchange wildlife; enter agreements with other agencies.

2Only through limiting total hunter numbers or hunter numbers within species management units.

3Any/all possessing law enforcement commission "commissioned officers."

Arizona

1All officers have four-year degrees—some specialists are also officers. **2**None.

New Mexico

1For noncompliance with permit requirements.

2Commission/board and director/head have authority.

Texas

1Failure to abide by permit provisions.

2Commission/board and director/head have authority.

30n public hunting areas.

Y = Yes

N = No

U = Unlimited

100

Footnotes for Table 2b. Interior Western States

Montana

1To the extent that it relates to hunting.

20n FWP property.

3Tattooing.

4Commission approves.

5But do not currently exercise that authority.

6Unless by permit.

Idaho

1Commission has the authority. **2From a vehicle only.**

Wyoming

1Jet skis.

2Commission can reduce some fees and set special management fees.

3Both—commission can set special management fees.

Nevada

1Wildlife commission, within limits as established by the legislature for some ags and permits.

Utah

1Department of Agriculture. Also private aquaculture facilities.

Colorado

1Authority was transferred to State Department of Agriculture in 1996 for most but not all species.

2Legislature.

3Does not apply to holders of a valid Colorado hunting license.

Arizona

10nly for habitat management.

2To a point.

3Some crustaceans, mollusks.

4By rule within statutory limits.

5Requires rule procedures to establish.

6Prohibits shooting from a vehicle.

Texas

10n public hunting lands.

20nly on public roads and rights-ofway; i.e., hunting from vehicle is legal on private land.

Oklahoma

1Commission.

2Legislature.

Table 3. Agency Administration—Interior Western States

			Ξ	₽	₹	ž	5	8	K	Σ	ĭ	엉
ç	ave	Geduate degree										
gen	t t	College degree in fisheries or wildilfe							>			
fe A	Required to have	College degree in a natural resources field				>-						
Vildii	Req	eatgab agallo					Z Z	₹3			>	>
) Pu		Number of consecutive terms							D	n		
Director/Head of Fish and Wildlife Agency	Term of office	Head can be reappointed to snother term			>				Υ	Y		
Fis I	E E	Length of term	5	כ		כ	\supset		5	n	כ	_
gd	P	і́лэсп по bəss8	>					ζ,	>		>	
r/He	γά	Civil service or state merit system rules										
ecto	Selected by	Board/commission or commissions/secretary		>		<u>~</u>	۲	>	Υ .	/	>	>
أقّا	Sele	тотвуод	>		>							
pe		For certain actions	≻	<u>-</u>	<u>-</u>			٦.		Ϋ́	٦	5-
Public Hearings Are Required		At discretion of board/con or commissioner/secretar	>		-	•	>	>	Υ		>	
ic H	<u> </u>	Upon petition	>						>		>	
Pub	slevnətni ba	At regularly schedule		>	\	>-		>				
	_	procedures act		>	\ -	>	>	>	-	Υ	×	Υ
	etrative	State has adminis	Ĺ									_
	Legend Yes N = No	U ≈ Unlimited	Montana	Idaho	Wyoming	Nevada	Utah	Colorado	Arizona	New Mexico	Texas	Oklahoma

Footnotes for Table 3. Interior Western States

Montana

1Land acquisition, season setting, by statute, often items of significant public interest.

Idaho

1Promulgation of rules, regulations, and land acquisition.

Wyoming

1Promulgation of rules, regulations.

Nevada

1The director/head is nominated by the commission/board, and selected by the Department of Conservation and Natural Resources director.

Utah

1By Department of Natural Resources executive director. 2Demonstrated ability in management and administration and experience in wildlife management.

Colorado

1Rule-making procedures are described in statute.
2Based on annual renewal of contract.
3Not required by law; requirements specified by commission/executive director of Department of Natural Resources.

New Mexico

1Listing/de-listing state threatened and endangered species.

Texas

1Prior to annual statewide hunting and fishing proclamation; migratory bird proclamation.

Oklahoma

1Regulation changes.

Table 4. Personnel—Interior Western States

	beld & \ He	rsor Ow f Nild ad / elect by	Fish Ilife Are	Ag H No	&V gen Car Hire onre	icy 1 e es-	C	En	ford	ation (cemer cers						In-S						Curre sitio			in F		Ag	end	y V	Vho				y	
Legend Y = Yes U = Unlimited	Civil service	Other merit system	Other	Biologists	Technicians	Conservation officers	d	College degree	96	Average # of square miles covered per officer	Average # of licenses per officer (1000s of licenses)	By law	For the commission/board or commissioner/secretary	For new employees	For established employees	Periodically for all employees	For administrators	For processing effects	For collection of the second o	Central office administration	Other wildlife biologists	Other fisheries biologists	Wildlife technicians	Fisheries technicians	Conservation officers	Human dimensions/social sciences	Computers/GIS	Human resources	Contracting/procurement	Budgeting	Planning	Legal	Environmental impact assessment	Support staff (secretarial/clerical/receptionist)	
Montana			Y	Y	Υ	Y			Υ	2,400	2.4 ²			Υ				T	4	18	46	32	5	4	83	1	7	4	1	4	3	4	2	_	MT
Idaho	Y			Υ	Υ	Y	Y¹	Y ²		742	4.5			Υ	Y	Y)	Ϋ́	7 Y	/ Y	4(71	103	7	10	111	0	20	2	4	7	1	1	8	52	ID
Wyoming				Y	Υ	Υ			Υ	1,700	7.0	Υ	Υ	Υ	Υ	Υ	I	<u> </u>	<u>4</u>	7	60	70			63		8	2		1	1	1	3	_	WY
Nevada	Y			Υ	Υ	Y		Y		4,500	4.0	Υ		Y	Υ			7		2	25	19	15	17	35		1		1				6		ΝV
Utah	1	Υ		Υ	Υ	Υ			Υ	1,100K	8.7	Υ	Υ							26	5 57	93	18	22	78	0	6	1	1	22	1	0	7	43	UT
Colorado	Y			Y^1	Y۱	Υ¹		Y		900	9.0	Y^2	Υ		Ý	Y		ì	1	3	92	44	47	81	127	6	13	8	9	7 ³	_3	1	0	50	CO
Arizona	Y			Y	Y	Υ			Υ	1,200	6.7	Υ	Υ	Υ	Υ	Υ,	Ϋ́	7 Y	/ Y	24	80	46	8	30	159	1	4	5	3	5	3	2	15	50	AZ
New Mexico	Υ			Υ¹	Y ¹	\mathbf{Y}^1			Υ	2,300	10.2			Υ						8	23	10	10	33	65	0	9	3	2	1	1	0	4	21	NM
Texas			Y¹	Υ	Y.	Y		Υ		495	4.1							Y	1		130	5 1 1 2	71	138	539	0	89	24	11	28	2	6	4	279	TX
Oklahoma			Y ¹	Υ	Υ	Y			Υ	558	6.1)		19	34	12	35	32	121	1		4		5			1	37	ОК

04

Footnotes for Table 4. Interior Western States

Montana

1Department examination of wardens; director selects all other personnel.

2Approximate—difficult to compute the number of individuals who hunted and/or fished because one individual can buy multiple licenses and no cross-check is available.

Idaho

10n paper. 2ln practice.

Colorado

10n exception basis—must demonstrate that no qualified resident applicant exists.
2Minimum annual requirements for commissioned officer.
3Seven positions total, for both budgeting and planning.

New Mexico

1However, governor's edict currently precludes hiring non-residents.

Texas

1Competitive selection process.

Oklahoma

1Interview process/testing (internalnon-merit).

Oklahoma	Texas	New Mexico	Arizona	Colorado	Utah	Nevada	Wyoming	ldaho	Montana		Legend Y = Yes N = No U ≈ Unlimited	
z	~	~	z	Z	z	~	z	z	~	Agency receives revenue general obligation bonds		m
	~	~	~			~			~	Capital improvement	I	Bonds
Н	~	~			-	-<				Land acquisition	Bonds are issued	र्छ
7	~	~	~	~	~	~	~	~	~	Separate and establishe	d by state law	т≥по
\prec		~			Г	-	~			Available for use without		State's Fish & Wildlife Fund
~	~	~	~	~	~	~	~		~	Protected from diversion	by state law	State's Fish & Wildlife
	~	~	, -<	~	~	~	~	~		Annual licenses		ת בו ה
~	~		~	~	~		~	~	_	Lifetime licenses		Income from Sales Invested for Interest
		≺_		\leq	<u>-</u>			₹.		Other		Income from Sales Invested for Interest
	~	~			~	~			₹	Yearly or biennially		
	~									For emergencies		Agency Receives Legislatively Appropriated General Funds
	~	~								For special projects		eive ativ
F	≺.	~				~				For capital construction		y /ely ated
- <u>₹</u>	z	z	₹	-≾		₹.	-≾	z	z	State has a match fo	or Teaming With W	/ildlife funds
	~	~	≾	≺	~	~				Governor or cabinet		<u> </u>
~	٧	~	~	~			~	~	~	Fish and wildlife board/commission or commissioner/secretary	Priorities are	
		~	~	≺	~					State office of budget/planning	nitie	
_	۲	~	~	~	~			<u></u>	_	Legislative committee	G a	į
_	≺`	~	~	<u> </u>	~		<u> </u>			Legislative budget officer	,¥ ∂	
<u> </u>			-	Υ3			<u> </u>			Other	10.	₽
		_			~	~	~			Frequently	Auth, ities are	Budget
	~	~	~	~				~	~	Seldom/never	Authorities are altered	<u> </u>
		\prec	~	<u>_</u>	~	~		<u>≺</u>		Based on continuation		
	≺		-<						4	Based on planning, programming, and budgeting	Bu Sys:	
≺										Zero-based	Budget system is	
							~			By objective	<u>~</u> . ₩	
Щ	Щ								Ш	Other		
7-1	9-1	7-1	7-1	7-1	7-1	7-1	7-1	7-1	7-1	Agency's fiscal year	begins on	
읒	Ζ	N N	Ą	CO	TU	٧V	WY	Ö	MΤ	_		

Footnotes for Table 5. Interior Western States

Montana

1For state parks only,

ldaho

1All.

Wyoming

1Wildlife trust account interest.

Nevada

1State general funds which are currently received and used for nongame programs.

Utah

1Habitat authorization.

Colorado

1All cash is invested. 2State lottery funds.

3All are involved to some extent. **4**Legislative budget system is based on continuation. Internal agency budget system is based on planning, programming, and budgeting.

Arizona

1Heritage (lottery).
2Executive budget office.

New Mexico

1All other.

Oklahoma

1Through cooperative agreements and pass-through funding with a) other state agencies, b) counties, c) cities, d) development authorities, e) colleges and universities.

Table 6. Planning and Policy-Interior Western States

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Policy Manua		Distributed to com	≻	Σ	<u> </u>	<u>></u>		z	>	>	<u>></u>	<u>></u>
Po Po		Updated regulariy	<u>⊀</u> 5	Υ.	<u>`</u>	z	≻		Υ2	۲¹	Z	
		Currently available	≻	Σ	≻	<u>></u>	>	>	>	>	>	≻
		79H1O							7]
	j j j st	Ecosystems/ecoregior									>	
	si ji	Estuaries				_ :						
	Agency has plans for levelopment/zoning b	Shore lands										
	las ent	Flood plains										
	2 8	гэкез	<u>7</u>						>			
	eio	Watersheds										
	Agency has plans for development/zoning by	River basins	7		>			i				
		Regions										
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Planning	zi r	Conservation plan being developed						ا ح	>			
	ted	State planning agency										
	Conducted by	Inaleviupa to AMO										
	ය ර	Fish and wildlife agenc			>			≻ i	>			
	gnibroose b	Budgets prioritized to plan priorities			>			>	>			
		Legislative propos based on F&W pla	Z.	Z	>	Z	z	>	Υ	z	N	z
		blan approved by Agency has comp	z	Υ	>-	Z	z	z	\	z	Z	z
		Legeno Y ≈ Yes N ≈ No U = Unlimited	Montana	Idaho	Wyoming	Nevada	Utah	Colorado	Arizona	New Mexico	Texas	Oklahoma

Footnotes for Table 6. Interior Western States

Montana

1For specific waters. 2Every few years.

Idaho

1Four to six times per year, irregularly.

Wyoming

1Continuously updated.

Arizona

1Review all habitat impacts on all lands regardless of status through statewide "Habitat Evaluation Project." 2Monthly, if needed.

New Mexico

1As needed.

Table 7. Information & Education—Interior Western States

		•									_										
	e I&E staff	ent positions		ŀr	nfoi	rma	atio	on 8	& E	du	cat	ion	Pr	og	ran	n Ir	nclu	ıde	s		
<u>Legend</u> Y = Yes U = Unlimited	Agency has full-time	Number of permanent	Magazines	News releases	Radio	Tefevision	Exhibits	Educational videos	Youth education	Adult education	Trapper education	Waterfowl ID	Education center	Nongame education	Aquatic education	Boating education	Archery education	Project WILD	Aquatic WILD	Hunter education	
Montana	Υ	25	Y	Y	Υ	Y	Y	Y	Y	·Y	Y	Υ		Υ	Y	Υ	Υ	Υ	Υ	Y	MT
Idaho	Υ	27	Υ	Υ	Υ	Υ	Υ		Y	Υ		Υ	Υ	Y	Υ		Υ	Υ	Y	Υ	ID
Wyoming	Υ	26	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Y ¹	Y¹	Υ	Y	Υ	Υ	Υ	Υ	Υ	Y	WY
Nevada	Υ	8		Υ	Υ	Υ	Υ	<u> </u>	Υ	Υ			Υ		Υ	Υ		Υ	Y	Υ	ΝV
Utah	Υ	18	Υ	Υ	Υ	Y	Y	Y	Υ	Υ	Υ	Υ		Υ	Υ		Y	Y		Υ	UT
Colorado	Υ	30	Y	Υ	Υ	Y	Y	Υ	Υ	Υ	Y	Y	Υ	Υ	Υ		Υ	Υ	Υ	Υ	CO
Arizona	Υ	38	Υ	Υ	Y	Υ	Y	Υ	Υ	Υ	Υ		Υ	Y	Υ	Y	Y	Υ	Y	Υ	AZ
New Mexico	Υ	16		Υ	Y	Y	Y	<u> </u>	L.		$ldsymbol{f eta}$						Υ	Υ	Υ	Υ	NM
Texas	Υ	41	Y	Υ	Υ	Υ	Υ	Υ	Y	Υ			Y	Y	Υ	Υ		Υ		Υ	TX
Oklahoma	Υ	28	Υ	Υ	Υ	Y	Υ		Y	Υ	<u>L</u> .	<u> </u>		Y	Υ			Υ	Y	Υ	OK

Footnotes for Table 7. Interior Western States

Wyoming 1Minimal.

Table 8. Research—Interior Western States

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Oklahoma	Texas	New Mexico	Arizona	Colorado	Utah	Nevada	Wyoming	Idaho	Montana	Legend Y = Yes U = Unlimited	•	
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\leq	<u>-</u> <u>3</u>	<u> </u>	$\frac{1}{3}$	3	_	3	3	<u>-</u>	$\frac{\cdot}{4}$	Other federal funds	Wildlife research is funded with	
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<u>^2</u>	×	N)	\ <u>~</u>	<u>×</u>		Ņ	N3	No.	Ņ	Turkeys		1
~	~	~	7	7	~	~	~	~	7	Other game birds	ဥ	
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≺	~	~	~	~	~	~	~	~	~	Threatened & endangered species	on the	Ś
	~		~		~	~		\Box	~	Neotropical migratory birds	Currently conducting	Agency's Wildlife Research
~	~		~	~		-	~		~	Other nongame species		置
~	~	~	~	~	~	~	~	~		Turkeys	<u></u>	1
~	~		~	~	~	~	~	~	~	Other game birds] ½ C	70
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~	~	~	~	~	~	<	-<	~	~	Big game mammals	07.7	e
≺	~	~	~	~	~	~			~	Small game mammals	오고	5
≺	~	~	~	~	~	~	~		~	Furbearers		
~	~	-<	~	~	_<	<	 ≺	-<	~	Threatened & endangered species	Currently monitoring population/habitat trends	
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\prec	~		~	~	~	<	<		<	Other nongame species	G	
<u>≺</u>	 -<	<u> </u>	_<	~	-<	<	<u> </u>	<	$ \prec$	Big game mammals	info	
≺	~	<u> ~ </u>	~	~	<	<	<	-<	$ \prec$	Turkeys	Collects Information estimate harvest of	
\prec	~	<u> </u>	\preceq	_<	\leq	<	 -<	-<	_<	Other game birds	Collects ormation estimate	
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<u> </u>	~	≺	≺	~	≺	-	<u>≺</u>	 	\preceq	Freshwater coldwater fish	Conducts in- house research on	İ
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_	_	₹	l	_		<u> </u>		_	_	Mussels		မူ
~	<u> </u>	~	~	~	~		~	\prec	\prec	Freshwater fish	Conducts studies to evaluate	Agency's Fisheries Research
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≺	≺	\prec	≺	~	\preceq		$ \prec$	≺	\preceq	Freshwater fish	Conducts studies to	
≺	≺					L.		_	_	Saltwater fish	evaluate stocking of	
	≺	_<	≺	~	~	~	~	~		Using GIS/GAP analysis	<u> </u>	1쬬 당 ≥
	≺		<u>≺</u>	~	<u> </u>		~		 ≺	In marketing		se ind
≺		_	<u> </u>	~		≺				On biodiversity		Agency Conducts Research
≺	≺	<u> </u>	~	~		L	≺	~	~	On human dimensions in	n wildlife management	<u> </u>
읫	컺	Ν×	₽	8	딬	Z	ş	₽	S			

Footnotes for Table 8. Interior Western States

Montana

1U.S. Forest Service, Bureau of Land Management, U.S. Fish and Wildlife Service, Corps of Engineers, BPA. 2License dollars.

Idaho

1U.S. Forest Service, Bureau of Land Management.

2Private contracts.

3BPA.

Wyoming

1Endangered Species Act, Section 6. 2License revenue, wildlife trust account interest.

Nevada

1Endangered Species Act, Section 6.
2License fees; state general fund;
U.S. Forest Service and Bureau of Land
Management grants.
3License fees; state general fund.

Utah

1License revenue; state general fund. 2License revenue.

Colorado

1Department of Energy.
2License revenue.
3Bureau of Reclamation.

Arizona

1Contracts; cooperative agreements; challenge cost-share.
2State, heritage.
3Contracts; grants; cooperative agreements.

New Mexico

1D-J funds; U.S. Forest Service; Bureau of Land Management; Endangered Species Act, Section 6; Bureau of Reclamation grants. 2Share With Wildlife (private donations); general fund. 3Threatened and endangered. 4State funds.

Texas

1Independent grants.
2License sales; independent grants.
3MARFIN, SK.

Oklahoma

1Endangered Species Act, Section 6. 2License funds.

Table 9a. Management and Operations—Interior Western States

Legend Y = Yes Yes		Act	tive Pi Re	Prese	erve	am e/				-	A	ger	ісу	Ма	inta	ains	, D	eve	lop	s, c	or M	lan	age	s							tive Ilife		
Montana	Y = Yes N = No						Å					9		Pub	ılic a	ırea	s for			anag are	jeme			.⊑	h			s	allo by per	wed law or mit	uired		
Montana Y </td <td></td> <td>Wetlands wildlife</td> <td>Big game</td> <td>Upland game</td> <td>Nongame</td> <td>οđ</td> <td>Hunting</td> <td>Fishing</td> <td>Boating</td> <td>Watchable wildlife</td> <td>Backpackers/hikers</td> <td>Campers</td> <td>Hunting</td> <td>Fishing</td> <td>Boating</td> <td>Watchable wildlife</td> <td>Backpackers/hikers</td> <td>Campers</td> <td>Waterfowl</td> <td>Big game</td> <td>Upland/small game</td> <td>Nongame</td> <td>Game farms</td> <td>of game</td> <td>Warmwater fish</td> <td>Coldwater fish</td> <td>Saitwater fish</td> <td>].⊆</td> <td>Native species</td> <td>Exotic species</td> <td><u>.v</u></td> <td>cage</td> <td></td>		Wetlands wildlife	Big game	Upland game	Nongame	οđ	Hunting	Fishing	Boating	Watchable wildlife	Backpackers/hikers	Campers	Hunting	Fishing	Boating	Watchable wildlife	Backpackers/hikers	Campers	Waterfowl	Big game	Upland/small game	Nongame	Game farms	of game	Warmwater fish	Coldwater fish	Saitwater fish].⊆	Native species	Exotic species	<u>.v</u>	cage	
Wyoming Y </td <td>Montana</td> <td>Y</td> <td>Υ</td> <td>Υ</td> <td>Y</td> <td>Υ</td> <td>Υ</td> <td>Υ</td> <td>Υ</td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td>Y</td> <td></td> <td>_</td> <td>Υ</td> <td>-</td> <td>Υ</td> <td>Υ</td> <td></td> <td>N</td> <td></td> <td>Υ</td> <td>Υ</td> <td></td> <td>9</td> <td>Υ</td> <td>Y¹</td> <td>Y²</td> <td>N</td> <td>MT</td>	Montana	Y	Υ	Υ	Y	Υ	Υ	Υ	Υ				_		Y		_	Υ	-	Υ	Υ		N		Υ	Υ		9	Υ	Y ¹	Y ²	N	MT
Nevada Y <td>Idaho</td> <td>Y</td> <td>Υ</td> <td>-</td> <td></td> <td>-</td> <td>_</td> <td></td> <td>ļ.<u>.</u>.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u> </u></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Υ</td> <td></td> <td>22</td> <td>Y</td> <td>Y</td> <td>Υ</td> <td>Υ</td> <td></td>	Idaho	Y	Υ	-		-	_		ļ. <u>.</u> .								<u> </u>		-							Υ		22	Y	Y	Υ	Υ	
Utah Y			-	Υ		_	Υ	Υ	Y	Υ					-		Y		-	Υ				2					_	_	Υ	_	
Colorado Y<				<u> </u>	-	_		_			<u> </u>		_						-							-		_			<u> </u>		
Arizona Y </td <td></td> <td></td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>_</td> <td></td> <td>Υ</td> <td></td> <td><u> </u></td> <td></td> <td>_</td> <td></td> <td>Υ</td> <td></td> <td>Y</td> <td>Y</td> <td>-</td> <td><u> </u></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>_</td> <td></td> <td></td>				-	-	-	_		Υ		<u> </u>		_		Υ		Y	Y	-	<u> </u>	-									-	_		
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Footnotes for Table 9a. Interior Western States

Montana

1Nonindigenous ungulates and some other species.

2Testing is required by the Department of Livestock.

Wyoming

1Species raised: pheasants.

Utah

1Allowed only when permitted on a case-by-case basis.

Colorado

1For commercial purposes only; no private possession allowed.

Arizona

1Some.

Oklahoma

1U.S. Department of Agriculture requirements apply.

Table 9b. Management and Operations—Interior Western States

				ntin	_	Age Prov Tech	ides nical		Priva	ate	Lar	nds	6	Hu	ivat ntir	ng		Ar	ima	ıl D	an	าลดู	је		Es by	gul tab Ma ent	re lish nag Un	ed ge-	
Legend Y = Yes N = No U = Unlimited	ı	sal assistance	person	is regulated	regulations	Ass and Priv Lai own	e to rate nd- ners	p۱	ency ublic rivate	acc	ess	to	oility relief law	pe rec	ense rmit are juire for	s	C	ont ond	dator rot is ucte		pa	ayn al	riz	ts					
	Does state have any?	Agency provides technical assistance	Full-time agency staff pe	Preserve acreage is reg	Operators set hunting re	≺Wildlife management	Fisheries management	Agency fees/services	Agreements with industry/ nonindustrial landowners	Cooperative programs with USDA	Cooperative programs with private organizations	Other	State has landowner liability relief law	Big game	Upland/small game	Waterfowl	Extension trapper programs	Bounty payments	Cooperation with Animal Damage Control (APHIS)	Other	Predators	Big game	Waterlowl	Upland/small game	Big game species	Furbearers	Turkeys	Upland/small game	
Montana	Υ	Υ	N	N	Υ		Υ	Υ	Υ	Υ	Υ		Υ						Υ			Y			Y	Υ	Υ		MT
Idaho	Y	Υ	N	Y¹	Υ	Y	Υ	Υ.	Y				Υ					_	Υ			Υ		L.,	Υ	Υ	Υ	Υ	ID
Wyoming	Y	Y	N	N	N	Υ	Y	Y	Y		Υ		Υ						Υ	Υ¹		Υ	Υ		Υ	Υ	Υ	Y	WY
Nevada	Υ	N	N	N	Y ¹			_	Υ			2	Υ			Ц			Υ			Y ²			Υ		Y	Υ	NV
Utah	Υ	Y	N	N	Y ¹	Υ	Y		Υ		Y	Υ²	Щ.	Υ	Υ			_	Υ		Υ	Y			Υ	Υ	Υ	Υ	UT
Colorado	N	112	ļ.,			Y	Υ	Y	Υ	Υ	Y	A ₃	Y	Υ	Υ	Υ	Υ		Υ		Υ	Y	<u> </u>		Y		Υ	4	CO
Arizona	Υ¹	N ²	N	N	Y		-	1/	- 1/		1/	Υ-						<u> </u>	_Y			_			Y	_	Υ	_4	AZ
New Mexico	Υ	N	N	N	N	Y	Y	Y	Y	<u> </u>	Υ	Y	Υ	Y		\square	V	<u> </u>	Y		_	_		_	Υ				NM
Texas	Y	Υ	N	N	N	Y	Y	Y				- 1	Y			\square	Υ		Y						Υ		<u></u>	Y	TX
Oklahoma	Υ	<u> </u>	1/4	IN	1	Ť	ſ	_ †	ſ				T						1	Ц,				L.,	Υ		Υ	Υ	ОК

Footnotes for Table 9b. Interior Western States

ldaho

1Minimum: 160 acres; maximum: 1,600 acres.

Wyeming

1APHIS does it except on trophy game animals.

Nevada

1Within statutory and regulatory limits. **2**Elk only.

Utah

1Within agency parameters.
2Cooperative wildlife management
units with some permits reserved for
landowners (sale or own use) and some for
public drawing.

Arizona

1Private game farm and shooting preserves R12-4-414 and 415.
2Upland game birds and authorized game mammals on private land.
3Stewardship agreements with individual private landowners.
4Sandhill crane, tree squirrel, all others statewide.

Table 10. Cooperative Programs and EIS Review—Interior Western States

Oklahoma	Texas	New Mexico	Arizona	Colorado	Utah	Nevada	Wyoming	Idaho	Montana		Legend Y = Yes N = No		
~	~	~	~	~	~	~	~	Y	~	USFWS		Þ	
										NOAA		ge	
~			7		~	~			~	EPA	<u></u>	ĮŽ.	
Υ		~	~	~	~	~	~	~	~	Bureau of Reclamation		Agency Maintains Cooperative Program with	
		Y	~	~	~	Y	<	~	~	BLM] <u>i</u> ;	
~	~	~	~		<	~	~	~	≺	NRCS (formerly SCS)] jj	
		~			~	~	≺	~		Farm Services Agency (former	iy ASCS)	ဂ္ဂ	١
	≺				<	<u> </u>	_			CSREES (formerly Agricultural Ex	tension Service)	ĕ	
~	≺	~	~	~	~	~	~	~	~	Forest Service		era era	
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	<		≺		$ \prec$	~	-<		~	State highway department		<u> </u> 6	
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			≺							With military lands		밀	ş
		~							~	With Forest Service		ig.	eg S
		~	~	-	_	_	~	-	~	With BLM		Program	A
z	~	~	<u> </u>	z	z	~	-≼	~	~	State EPA within state agency	<u> </u>		
z	z	z	z	z	z	z	z	z	₩.	State requires EISs	·	1	
것	~	~	~	~	~	~	~	~	~	Agency regularly reviews and corr	ments on draft EISs		
	~	_	~		~	~	~		~	Requires agency review	<u>n</u>	Enviro	
	~	~	~		-<	~	~		~	Reflects agency recommendations	St clearin for	ð	
_	~	~	~		~	~	~			Includes recommendations for mitigation	itate nghouse		-
-	Υ,	-4	· ·		~	~	· ~			Includes recommendations for enhancement	SUG	불	
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7	7	$\overrightarrow{}$	· \	7	~	~	~	~	<u>-<</u>	F&W funds		퉚	
\dashv					~	~				General appropriations	EIS re	立	
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-	-					<u> </u>				State clearinghouse	IS review in ncy is funds	le l	
	-		-<			_	_			Other	wiew in is funded	en	- 1
		\prec	_	-			-≾		-	Federal agencies		2	
		~	\vdash	\vdash			3 Y4	-	\vdash	Other state agencies	exper	nmental Impact Statement Review	1
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\dashv	-					-			\vdash	Regional agencies	review nses ar		
-	\dashv				-				\vdash	Private agencies	are to		
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Footnotes for Table 10. Interior Western States

Montana

1License dollars.

Wyoming

1Department of Environmental Quality. 2Those not solicited by clearinghouse. 3Rarely. 4Occasionally.

Arizona

1Heritage funds, \$1.5 million.

Oklahoma

1Federal environmental impact statements.

Table 11. Agency Lands and Waters—Interior Western States

	for I Tit La	ment Fee tle nd '96)	T Ag	ency 199:	cres Land 5-96 of acre	l in	A	gency	cres / Lake of acre	es		jency	files (Rive ams		Ag	Coope reem Land	cy Har erative nents with of acre	e for	C Agı L	gend oope reem ake:	erativ ents s with	/e for h	Ag Riv	coope reem ers/s	cy Ha erativ ents Strea (miles	e for ms	
	Payments in lieu of taxes	Pay taxes	Purchased under fee title	Donated	Leased	Covered by easement	Purchased by fee title	Donated	Leased	Covered by easement	Purchased by fee title	Donated	Leased	Covered by easement	Individuals	Industry	Other state government agencies	Federal government agencies	Individuals	Industry	Other state government agencies	Federal government agencies	Individuals	Industry	Other state government agencies	Federal government agencies	
MT	Y		265		142	82.0	0	0	0	0	0	0	0	0	7,000	867		33.0					87.0	26.0	25.0	87.0	MT
ID	Υ		192	13.7	47.8	8.3						_			Υ	Υ	Y	Υ		Y	Υ	Y					ID
WY	Υ		161	4.6	37.7	19.5	.842	0	0	3.0	103	0	0	120	0.72			133		3.5		13.8					WY
NV	Y		43.0	0,2	58.4	12.6	0.05				57.0				.014	3.5	<u> </u>	8.0		.032							NV
UT	Υ		350	60.5	45.0	7.0	.785	0	0	0	13.0	7.0	0.5	0.5	1,100		250	50.0		.25		.450					UT
CO	Υ		310		228	90.0	20.0				167		75.0		20.0		300				_						CO
AZ	Υ		26.2 ¹	.810	3.1	.069 ²	.316	0	3.23						230		.075⁴			.005		7.2					AZ
NM			172	0	0	0,8	62.0			_	46.0		1				9,400										NM
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ОК	Y ¹		226	42.0	1.7 ²	1.8	1.7	0.06	556 ³	_	6.3					225		324	Y	Y	Y	Υ					ОК

Footnotes for Table 11. Interior Western States

Arizona

1Includes lands acquired from federal government (R and PP).
2Flood easements (2).
3Includes mostly agreements with federal government agencies.
4Acreage of easements.

Oklahoma

10n lands purchased after 1-1-89.2Cooperative agreement/license: 635K.3Federal reservoirs managed by Fisheries.

Table 1a. Agency Organization—Pacific States

		_		_	1			
California	Oregon	Washington	Hawaii	Alaska		Legend Y=Yes U=Unlimited		
	~	~		~	Fish and Wildlife is an indep	endent agency		
≺			~		Fish and Wildlife is part of a	larger agency		
					Administration/personnel	<u> </u>		
Г					Agriculture/food			
Г					Energy/geology		₽	
			-		Engineering		ij	
Г					Environmental protection/management	<u> </u>	sub	
~			~		Forestry	<u> </u>	Other subdivisions	=
Г			~		Historic preservation	-	Sio	If Fish and Wildlife Agency is a Subdivision
			~		Law enforcement			하
Г					Legal/legislative affairs		n the	and
~					Nongame/natural heritage/preserves			S
Г					Operations		arer) id
~			~		Parks/recreation	-	nt a	life
					Planning		gen	اج
					Public affairs/information & education		ξ	Jer
			~		Soils/lands/real estate		parent agency include	[Cy
Г		_			Waste management	•	ude.	S.
~			~		Water/marine resources		_	S S
\leq			3		Other			ub
⋜			≺		Political appointee			d V
≺			≺		Appointed by governor			is:
≺			~		Reports to governor		Ω	Ĭ
					Selected by civil service or merit system		Chief	of a
					Other		adr	
					Natural resources mgmt, education or experience			grg
					Hunting or fishing experience	₹	stra	a Larger Agency:
					Sponsorship by sportsmen's organization	Must have	g	Ğ
					Current hunting or fishing license	hav	of p	2
L				L.	Political affiliation	Φ 	are	😤
<			~		Approval of legislature		 21 22	
_		_ '		<u>L</u>	Protected from removal except for cause		administrator of parent agency	
					Entitled to public hearing before removal		_ ĭ	
4			4		Number of years per term	Term of office		
c			2		Number of consecutive terms	ਜ਼ਿੰਹ		
O	윘	\$	I	¥				

Footnotes for Table 1a. Pacific States

Hawaii

1Bureau of Conveyances; Aquaculture Development. California

1Coastal Commission, Conservation.

Table 1b. Agency Organization—Pacific States

				¥	Ξ	8	R	Ϋ́
		пеейлде гедийгедуеат	Number of commission/board	-	24	4	9	9
			Number of consecutive terms	5	2	5	ر ر	
	Terms of office		Years per lerm	-	4	9	4	9
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			Coincident			_	_	Ĥ
	<u>_</u>		Other	۲3			۲	-
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	œ	-	Counties		>			
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		Other special interests	noitslugaA					
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ber	pre	lity	nodibsıT	>	>			
1em	5 E	Commodity	negulation					
d	ted	Com	Ely IRW					
Board Members	Selected to represent	=	noliberT	>	_	>		
m	03	Political parties	Regulation					
		9 g	By law		∑			
	ls	vomer eroted grine	Entitled to public hes		>			
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	Σ		Hunting or fishing experience	>				=
		cation or experience	Watural resources mgmt. edu	>		>		
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			Number	71	ဖ	6	7	2
P	is dent	ator to	Offher					
 	Wildlife is an depende Agency:	Chief dministrate	Соувтог	>-			_	
Fis	Wildlife is an ndependent Agency:	Chief administrator reports to	bread to noizzimmoo bisqnU			>	_	
		Legend Y = Yes U = Unlimited		Alaska	Hawaii	Washington	Oregon	California

Footnotes for Table 1b. Pacific States

Alaska

1Seven members each: Board of Fisheries; Board of Game.
2Selected to represent geographic regions, various user groups.
3Geographic regions in general, in combination with representing various resource user groups.

Hawaii

1Not more than three members on the board from the same political party.

Oregon

1Congressional districts (5) plus one each from east and west parts of the state.

2Generally no more than two terms, but not legally limited.

California

1Must be confirmed by the Senate within 12 months of appointment.

Table 2a. Regulatory Authority—Pacific States

≺ ✓ ✓ ✓ Defined by constitution ✓ ✓ ✓ Defined by law ✓ ✓ Limited to budget, regrand policy functions ✓ ✓ Law ✓ ✓ Law ✓ ✓ For persons found guilty For persons not prosecuted ✓ ✓ ✓ ✓ Other No revocation authority Limited to 1 year ✓ ✓ Greater than 1 year ✓ ✓ Greater than 1 year ✓ ✓ Allows revocations for life O O O O Allows revocations for life O O O O O O O Regulate bag limits O O O O Close seasons O O O O Dent/close state managen O O O O O Dent/close state managen O O O O O O O O O O O	authority authority ar notice species ocalities	Has license Revoc-	Authority of Advisory Commission/ Groups Board or Mandat- Agency/ Commissioner ed by Commission Agency/ Commissioner ed by Commission Entity with Discretionary Author C=commission/board, commissioner/set D=fish and wildlife agency director/head G=governor
Limited to budget, regand policy functions Law Regulation Regulation For persons found guilty For persons not prosecuted Cher No revocation authority Limited to 1 year Limited to 1 year Allows revocations for life Regulate bag limits Regulate bag li	authority authority ar notice species ocalities	Has license Revoc-	Advisory Groups Mandat- Agency/ ed by Commission
and policy functions ≺ ≺ ≺ ≺ Law ✓ Regulation ✓ For persons found guilty ✓ ∠ For persons not prosecuted ✓	authority authority ar notice species ocalities	Has license Revoc-	Advisory Groups Mandat- Agency/ ed by Commission
≺ Regulation ≺ ✓ ✓ For persons found guilty For persons not prosecuted ✓ ✓ ✓ ✓ No revocation authority Limited to 1 year ✓ ✓ Allows revocations for life O O	authority ar notice ment are species ocalities	Revoc-	Agency/ Commission
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✓ ✓ For persons not prosecuted ✓ ✓ ✓ ✓ ✓ Other No revocation authority Limited to 1 year ✓ ✓ Greater than 1 year ✓ ✓ Allows revocations for life O O O O O O O O O O O O O O O O O <t< td=""><td>authority ar notice ment are species ocalities</td><td>Revoc-</td><td></td></t<>	authority ar notice ment are species ocalities	Revoc-	
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Big game hunting during mi	uzzieloa	uer season	- Z
Fall turkey hunting Spring turkey hunting			er O and for
Archery hunting			
Small game hunting			o and
★ Other			<u> </u>
C C S E A		 -	

Footnotes for Table 2a. Pacific States

Alaska

1Most authority lies with the court system. Agency can revoke permits for specific hunts, environmental actions, scientific collecting permits.

2Commission/board and director/head have authority.

3Both, but primarily in another agency.

Hawaii

1Department may revoke hunting privileges after notice and hearing for violation of hunting rules.
2In addition to the CBCS, the fish and wildlife head has authority if authorized by the Board of Land and Natural Resources, except for game mammals and exotic freshwater fish on private property.
3The CBCS and the fish and wildlife head (Department Head) have authority.
4Only on state lands.
5No hunter orange is required in designated archery-only areas.

Washington

1The commission and the director have authority.
2Upland birds and rabbits.

Oregon

1Commercial fishing licenses only.
2No limits.
3Authority is delegated to the director for emergency situations.
4Oregon State Police game division.

California

1The commission and the director have authority.

Y = Yes

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					Fish and wildlife agency	License fee authority set by	
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					Commission/board/secretary	Additional fees for species set by	Ιп
			Y		Fish and wildlife agency	y ion	Fees
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\prec	~	-	~	≺	Commission/board		7
	\exists			Н	Commissioner/secretary	Has authority to charge for use of manage- ment areas	
H	\dashv			~	Fish and wildlife agency head	tar orit lar	
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	_	×	_				-
M	≺2	$\overline{}$	<u> </u>	\vdash		ome management areas	1
 , 		- 4	~		Has a cased gun law		-
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N	Y3 \	₹	7	닠	Prohibits shooting from/near a		ြက
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K	≺	۲	_	ĭ	Has a wanton waste law		⊣ ବି ା
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\vdash		-	≾	_	Has a fisherman harassment la	₩ .	-
	싀	즤	_	즥	Has a trapper harassment law	<u> </u>	
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Footnotes for Table 2b. Pacific States

Alaska

1Marine invertebrates only.

Hawaii

10nly on state lands.

2Except for exotic game mammals and exotic freshwater fish on private property. 3Except exotics on private property.

4Threatened and endangered species everywhere; native species only on state land.

5Hunting.

6Fishing.

7Sometimes—to cover costs of helicopter access provided to public.

8Freshwater fishing only.

Washington

1Limited.

2Director, as prescribed by legislature.

3Prohibit shooting from a vehicle.

Oregon

10nly when used for hunting.

2Sauvie Island only.

30nly for antelope.

Table 3. Agency Administration—Pacific States

California	Oregon	Washington	Hawaii	Alaska	Legend Y=Yes U=Unlimited							
~	~	~	~	~	State has adminis	State has administrative procedures act						
<					At regularly schedule	ed intervals	Put					
	~	~			Upon petition		e R					
	~		~	~	At discretion of board/con or commissioner/secretar		Public Hearings Are Required					
3	3	4	3		For certain actions		red					
4				~	Governor	Selected by						
	~	~			Board/commission or commissioner/secretary		Director/Head of Fish and Wildlife Agency					
			~		Civil service or state merit system rules		E E					
	~	~			Based on merit	7	ead					
C	4	C	C		Length of term	Term of office	와 되					
~	~			~	Head can be reappointed to another term	of offi	sha					
C	C			C	Number of consecutive terms that head can serve	8	Ind \					
	~				College degree	Rec	Mild					
			~		College degree in a natural resources field	uirec	life /					
					College degree in fisheries or wildlife	Required to have	gen					
					Graduate degree	ave	ıcy					
CA	OR.	WW	Ξ	A								

Footnotes for Table 3. Pacific States

Hawaii

1For revision in hunting and fishing regulations. Rule gives board or authorized representative authority to change seasons, limits, and conditions when in public interest.

Washington

1Hearings are associated with specific actions.

Oregon

1All commission meetings are advertised as public meetings as well as unscheduled meetings of a quorum of commissions. Regulations are set by administrative rule by commission.

California

1To adopt regulations.

California	Oregon	Washington	Hawaii	Alaska	Legend Y = Yes U = Unlimited						
۲	~	~	~		Civil service		က္ဆ	퓬	20	<u>be</u>	Pe
≺				~	Other merit system	হ	ect	ad Are	& Wildlife	ow F	Personnel
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		-			College degree C 20		ш	Š			
_		_			College degree in natural resources or fish & wildlife	잋	info	Conservation Law			
556	820	384	137	8,000	Average # of square miles covered per officer	Officers	Enforcement				
12	8.8	4.0	0.5		Average # of licenses per officer (1000s of licenses)	•	Ä				
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~	~		~		For established employees	õ					
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<u> </u>	~		<		For biologists/technicians	숦	₹.				
₹,	~	~	イイ	H	For conservation officers	Formal In-Service raining Is Provided		į			
	<u> </u>	17	-	(L)	For information & education personnel	\vdash		Pos. C			
	10,1	_	ω.		Central office administration	-	P				
	2	378 ²	ಹ	8	Other wildlife biologists		Si				
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_	24	2773	12	30	Wildlife technicians		NS ₩	ř			
	178	Iω	5	707	Fisheries technicians		<u></u>	Ś			
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	71	103	202	143	Support staff (secretarial/clerical/receptionist)	٧					
S	OR.	AW	Ŧ								

Footnotes for Table 4. Pacific States

Alaska

1Head (commissioner) appoints division directors (chiefs).

Hawaii

1With special approval.
2Includes licensing, data compilation/analysis.

Washington

1Some serve at the pleasure of the director. 2378—includes both wildlife and fisheries biologists. 3277—includes both wildlife and fisheries technicians.

Oregon

1Total personnel in agency is 932 permanent employees and 320 seasonal positions.
2No single person assigned. Review at several staff and field levels.

California

1Depends on level. 2Fishing (427); hunting (123). 3By law for enforcement officers.

California	Oregon	Washington	Hawaii	Alaska		<u>Legend</u> Y = Yes N = No U = Unlimited				
~	~	~	~	z	Agency receives revenue general obligation bonds		В			
	~	~	<		Capital improvement	is a B	Bonds			
~			~		Land acquisition	Bonds are issued				
~	≺	~	~	Υ	Separate and establishe	d by state law	n ≶ ∏ છ			
Г					Available for use without	legislative approval	State's Fish & Wildlife			
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	~		~	\prec	Annual licenses		ln: 0 . In			
~			_		Lifetime licenses		ncome from Sales Sales rveste for nteres			
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					For special projects		Agency Receives gistative propriate General Funds			
		~	~	~	For capital construction	ely				
z	z	≾	≾	z	State has a match fo	Vildlife funds				
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~	~	~	~		Fish and wildlife board/commission or commissioner/secretary	Priorities are prepared by				
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~		~	~	~<	Seldom/never	Author- ities are	jet			
\prec					Based on continuation					
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۲¸					Other					
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Footnotes for Table 5. Pacific States

Hawaii

1Stamps/tag and artwork.
2State general funds and portion of state's wildlife fund.

Washington

1Personalized license plate funds.

California

1Selected dedicated accounts. 2Less than five percent. 3Director.

4Legislation.

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Table 6
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Planning
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California	Oregon	Washington	Hawaii	Alaska	Legend Y=Yes N=No U=Unlimited		
z	z	z	z	z	Agency has compre plan approved by U		
~	z	z	-<_	z	Legislative proposa based on F&W plar		
~			√ 2		Budgets prioritized to plan priorities	according	
~			-<_	~	Fish and wildlife agency	ဂ္ဂ]
					DNR or equivalent	Conducted by	
					State planning agency	ř	
~			-<_		Conservation plan i being developed	S	Planning
~					Planning is done by time planning staff	full-	gni
		~	~		Regions		1 ,
¥	≺	~			River basins	Agency has plans for development/zoning by	
~	~	~		1	Watersheds	e a	
~					Lakes	ing sy	!
					Flood plains	ent	
				_	Shore lands	Agency has plans for evelopment/zoning b	
	¥				Estuaries	าเกร	
					Ecosystems/ecoregions	م ق	
					Other		
~	~	<u>≺</u>	~	_	Currently available		│ ⋜
Y! Y	<	Υ.	N ₃	۲	Updated regularly	_	Policy Manual
	≺	~	<	Щ	Distributed to comm	│腔 ⊙│	
Y	≺	<u> </u>	<	≺	Distributed to agend	y employees	-
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Footnotes for Table 6. Pacific States

Alaska

1As needed.

Hawaii

10perational plans are prepared for regional programs by regional fish and wildlife staff and compiled into one overall statewide plan. Hawaii does not use the FWS "Comprehensive Management System."

2Statewide or department priorities can override agency priorities.

3Periodically.

Washington

1Sporadically.

California

1Annually.

Table 7. Information & Education—Pacific States

		AK.	ᇁ	WA	OR	CA
	Hunter education	≻	Υ	Υ	Σ	≻
တ	Aquatic WILD	>	>		≻	
Information & Education Program Includes	Project WILD	>	-		≻	>
딍	Archery education	Υ	Υ		Υ	
<u></u>	Boating education		≻			
l'an	Aquatic education	Υ	Υ	7	>	\succ
lgo	Nongame education	≻	>	i	z	≻
P	Education center	Υ				
ion	Waterlow! ID	≻	i		z	
at	Trapper education	Υ		≺	>	
duc	Adult education		ᢣ	>	>	
Щ	Youth education		>	≻	>	
%	Educational videos	>	Υ		≻	≻
Itio	Exhibits	Υ	≺	Υ	Υ	>
EH.	поізіvэlэТ	Υ		Υ	≻	- >-
ıfor	oibsЯ	Υ	Υ	ᢣ	≻	>
느	News releases	Υ	Y	≻	≻	>
	Magazines				≺	>
anoitiaoq tne	Number of perman		8	12	8	7
e l&E staff	Agency has full-tim	>	Y	>	>	>
	<u>Legend</u> Y = Yes N = No U = Unimited	Alaska	Hawaii	Washington	Oregon	California

Footnotes for Table 7. Pacific States

Oregon 1Wildlife division.

Table 8. Research—Pacific States

		<			140		
California	Oregon	Washington	Hawaii	Alaska	<u>Legend</u> Y=Yes ∪ = Unlimited		
ᄂ		~	~	~	Funds	Assists out-of-state cooperative	
1		~	~	~	Personnel	investigations with	
┰	\prec	7	~	~	Pittman-Robertson funds	· - · -	1
ᅕ	₹	₹.	₹.	₹.	Other federal funds	Wildlife esearch is funded with	
₹	-≾	₹	3	-≾		h led sirch	
\ <u>~</u>	~			~	Turkeys		1
l≺	_	~		~	Other game birds	5	
⋜	-			~	Waterfowl	Currently conducting	
~	~	~	~	≺	Big game mammals	ently condu	S
				_	Small game mammals	a	jer
				~	Furbearers	5 D	्ट्र
<u> </u>	_<	<u> </u>	_<	~	Threatened & endangered species	ח ה	Agency's Wildlife Research
≺	L.			~	Neotropical migratory birds	Į	I≦
≤	<u> </u> <	≤	~	~	Other nongame species		<u>ā</u>
≺	<	<	<		Turkeys	Currently monitoring population/habitat trends	e e
Ľ	Υ.	<	۲	_<	Other game birds	<u> </u>	اير
K	≺	~	1	<	Waterfowl	ren stio	Se
Ľ	<	<	<u> </u>	3	Big game mammals	Currently monitoring	a
13	≺	 		\ <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>	Small game mammals Furbearers	n mo	[다
E	7	7	~	~	Threatened & endangered species	華	
F	~	~	_	~	Neokopical migratory birds	Tre Tri	
卜	~	`	~	1	Other nongame species	7,9	
一	≺	-	₹	_⟨	Big game mammals		1
1	~	~	≺	-	Turkeys	Collects information estimate harvest o	
┰	~	~	~	~		Collects formation estimate harvest of	İ
1	~	~			Small game mammals	st c c c c	
~	~	~		~	Furbearers	<u></u>	
⋜	~	~		~	Freshwater coldwater fish		
_<	_	~			Freshwater warmwater fish	Conducts in- house	
_<	\prec	-<	₹	<	Saltwater fish	nducts house	>
_<	≺	-≺	~	_<	Nongame fish	T e &	ģ
					Mussels		Ä
<u> </u>	≺.	~	~	<	Wailop-Breaux (D-J) funds	Fisheries research funded with	Agency's Fisheries Research
	∀ 3	≾	⋨		Other federal funds	ner ear vith	71
\\	ヾ	Ĺ	-ζ		Other	d ch	<u>8</u>
_<	۱,	۲	~	Υ	Freshwater coldwater fish	P _	Ψ.
\prec	_	~	~		Freshwater warmwater fish	op.	ies
Υ.	<u> </u>	<u>≺</u>	_	_	Saltwater fish	Monitors population status of	20
	<u> </u>	.~			Nongame fish	으 중 교	မ္တ
	_	_		-	Mussels		<u>8</u>
Ň	~	<u> </u>	~	-i	Freshwater fish	Conducts studies to evaluate	로
Ľ		≺		_		introduced exotic	-
	≺	≺	<u> </u>	-	Freshwater fish	Conducts studies to	
	۲	۲	<u> </u>	_	Saltwater fish	evaluate stocking of	
~	~	~		_	Using GIS/GAP analysis		% 5 ≯
$\vdash \vdash$				4	In marketing		हुं जिस्
dash		싀	\dashv	4	On biodiversity		Agency Conducts Research
$\vdash \vdash$	_	싀	\dashv	\dashv	On human dimensions in	i wildlife management	<u>50 </u>
S	윘	≨	프	욧			

Footnotes for Table 8. Pacific States

Alaska

1Federal appropriations through federal agencies (Endangered Species Act, Section 7).
2State fish and game fund.

Hawaii

1Endangered Species Act, Section 6. 2State general funds. 3Development of culture techniques. 4Interjurisdictional fisheries.

5General funds.

Washington

1Endangered Species Act, Section 6; U.S. Forest Service; U.S. Fish and Wildlife Service. 2Local; other state agencies. 3PL-304, Pacific Fisheries Management Council, Interjurisdictional Fisheries Act of 1987.

Oregon

1U.S. Forest Service and Bureau of Land Management.
2License and general fund.
3Corps of Engineers; BPA; U.S. Forest Service; Bureau of Land Management.
4License dollars, other state/local agencies and private organizations.

California

1North American Waterfowl
Management Plan; National Fish and
Wildlife Foundation.
2Fish and game preservation fund
(license dollars); environmental license plate
fund; Tidelands oil revenue; tax checkoff for
threatened and endangered species.
3Fish and game preservation funds.

Table 9a. Management and Operations—Pacific States

	Ac to	tive Pı Re	Pr rese	erve	am e/				_	A	ger	ncy	Ma	inta	ains	i, D	eve	lop	s, c	or IV	lan	age	_							tive dlife		
<u>Legend</u> Y = Yes N = No U = Unlimited		ı			jered species	#			o pr		9		Pub	olic a	ırea	s for			are	ate Jemieas eas			n facilities in 1995-96	_ h	Fi: atch		es	allo by c per	law	required	ments exist	
	Wetlands wildlife	Big game	Upland game	Nongame	Threatened & endangered	Hunting	Fishing	Boating	Watchable wildlife	Backpackers/hikers	Сатрегз	Hunting	Fishing	Boating	Watchable wildlife	Backpackers/hikers	Сатрегѕ	Waterfowl	Big game	Upland/small game	Nongame	Game farms	Number of game farm	Warmwater fish	Coldwater fish	Saltwater fish	Total # facilities in 1995-96	Native species	Exotic species	Disease testing is req	Specific cage requirements	
Alaska	Υ	Υ	Y		Υ							Υ	Υ	Υ	Υ			Y	Υ			N			Υ			Υ	Υ	Υ	Υ	AK
Hawaii	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	N		Υ	Υ	Υ	2	Υ	Υ			HI
Washington	Υ	Υ	Υ	Y	Υ	Y	Υ	Υ	Υ		_	Y	Υ		Υ			Υ	Υ	Υ	Υ	Y¹	2	-2	Y		87³	Υ	Y			WA
Oregon	Υ	Υ	Υ	Υ	Y.	Υ	Υ	Υ	Y	Υ		Y	Y	Y	Υ	Υ	Ĺ	Y	Υ	Y	Υ	N			Y	Y¹	34	Υ	Υ	Y ²	Y ²	OR
California	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ				<u>Y</u>	Υ	Y	Υ	Y	Υ_	Υ	Υ	Y	Υ	N			Υ		22	Y	Υ	Y	Y	CA

Footnotes for Table 9a. Pacific States

Washington

1Pheasants.
2Currently under construction.
3Rearing facilities.

Oregon

1Assumes salmon as saltwater species. 2Some.

Table 9b. Management and Operations—Pacific States

					,		
			¥	豆	×	S.	CA
ns e-e-ts		emeg lisma/brisiqU	≻	>	>	>	
Regulations Are Established by Manage- ment Units		Inrkeys		>	>-	<u>~</u>	
Are Are ablis Mana ont Ur		Furbearers	>		>		≻
Rec Est by I		Big game species	>	>	>	>	>
	# S B	əmeg illəmə\bnaiqU,					
<u>e</u>	Damage payments are authorized for	Walerlow					
la(ama ayme are thori	amsg giß			>		
 a⊓	g & 9	Predalors				Υ2	
	0	Other	7				
Animal Damage	Predator control is conducted by	Cooperation with Animal Damage Control (APHIS)		>	>	>	>
7	in die e	Bounty payments		_			
		Extension trapper programs					
e g s) N N 10	Watertowi					>
Private Huntíng Clubs	Licenses/ permits are required for	ams@llsma\bnslqU					>
[조국 ⁰		emsg gið					>-
	oility relief law	State has landowner liab	z	γ2	≻	>	>-
l g	es S to S	Other					
Private Lands	Agency promotes public access to private lands by	Ocoperative programs with anoitestinegue alsving		>	>	>	
je je	pre acc	AGSU ritiw amsigoriq svitersqood					
, July	ency Iblic	Apteements with industry. stemeobal lanteubninon		Υ.	>	>	>
-	\$ g g g	Agency fees/services		>	Υ	≻	
ncy ides	Assist- unce to Private Land- owners for	Fisheries management		Υ	7	>	>
Agency Provides Technical	Assistance to Private Landowners for	tnemeganam etilbliW		Υ .	-	>	≻
Di si	saoifeluga	Operators set hunting re		≺	z	z	z
ntine	bətelu	Preserve acreage is reg		z	z	⊱	z
E LE	nosi	Full-time agency staff pe		z	z	z	≻
Fee Huntin Preserves	asistance	Agency provides technic		>	>	>	Υ
ű. a.		Poes state have any?	z	>	>	>	>
		_					
	Legend Y = Yes N = No U = Unlimited		Alaska	Hawaii	Washington	Oregon	California
	٦				S		

Footnotes for Table 9b. Pacific States

Alaska

1Department personnel.

Hawaii

10nce licensed for specific species. 20nly for historic trail access or for areas under cooperative agreement.

Oregon

1Maximum: 640 acres. 2\$40,000 per year allocated to fund APHIS (by statute). 3Fall season only.

California	Oregon	Washington	Hawaii	Alaska		Legend Y=Yes N=No U=Unlimited		
≺	~	~	~	~	USFWS		>	
	~	~	~	~	NOAA		ger	
		~	~	Y	EPA		Agency Maintains Cooperative Program with	
	~	≺			Bureau of Reclamation		Ma	1
≺	≺	4		~	BLM		int	
	~	~	4		NRCS (formerly SCS)		ing	
	~	Y	~		Farm Services Agency (former	ly ASCS)	ĺΣ	.
	≺		~		CSREES (formerly Agricultural Ex	tension Service)	မြ	
~	~	~	~	~	Forest Service		e la	- 1
	≺	~	₹	~	Corps of Engineers			
⋜		~	~	~	Other military groups		פ	:
$ \prec $	~	~	≺	≺	State highway department		00	
$ \prec $	~	~	~	≺	Colleges & universities		an	- 1
Г	~	~	~	~	Youth groups		₹.	
=	~	~	~	~	Conservation/sportsmen's grou	ıps	₹	
~		~	~		With military lands		P	S
<	1	~	-		With Forest Service		Program	Sikes Act
~		~			With BLM	<u> </u>	ä	<u>Ş</u>
Ι ͺ	<u>-<</u>	~	~	z	State EPA within state agency			\dashv
~	z	~	~	-	State requires EISs			
~	~	~	~	~	Agency regularly reviews and com	ments on draft EISs		
		_		\prec	Requires agency review	<u>C</u>	Envi	
~	~	~	\prec	~	Reflects agency recommendations	State clearinghouse for EISs	Ī	
~	~	~	~	~	Includes recommendations for mitigation	or Els	Ĭ	
┥	~	~		~	Includes recommendations for enhancement	Sus	Ent.	
ļ-	-≾	<u>`</u>	~	_	Agency is free to submit independ		=	
	²	~	\ \		F&W funds		Ä	
H	7	·<	7	_	General appropriations	EIS review in agency is funded	ដ្ឋ	
\vdash		,		~		EIS review in gency is funds	Sta	
┝┈	-			~	State clearinghouse	iew	ên	
-			ا لاء	· 子2	Other	nde n	nen	
		i	2	- 13	Federal agencies		Ž	
H	1,,,			~	Other state agencies	ek E	ronmental Impact Statement Review	
-	(a)	\dashv			Local agencies	ers Sine	ž	
	\vdash			\dashv	Regional agencies	EIS review expenses are charged to		
					Private agencies	9 E		
S	유	Ş ĕ		Ą	030,000	L		

Footnotes for Table 10. Pacific States

Alaska

1Alaska Department of Environmental Conservation works within EPA framework, but is separate from the Department of Fish and Game. 2Industry receipts.

Hawaii

10ccasionally. 2D-J/W-B.

Oregon

1Department of Environmental Quality.
2Coordinated state reviews are done on major issues of concern to several state agencies.
3Absorbed by personnel in Department of Fish and Wildlife who may be funded from a variety of sources.

Table 11. Agency Lands and Waters—Pacific States

	for Ti La	ment Fee tle and -'96)	T Ag	ency 199	Acres Land 5-96 of acre	in	A	genc	Acres	es		ency	/liles Rive ams		Aç	Agend Coope greem Land	erative ents with	e for	Ag I	genc coope reem _akes	erativ ents s with	e for	Ag Riv	oope reem ers/s	erativents Streativents	for ms	
	Payments in lieu of taxes	Pay taxes	Purchased under fee title	Donated	Leased	Covered by easement	Purchased by fee title	Donated	Leased	Covered by easement	Purchased by fee title	Donated	Leased	Covered by easement	Individuals	Industry	Other state government agencies	Federal government agencies	Individuals	Industry	Other state government agencies	Federal government agencies	Individuals	Industry	Other state government agencies	Federal government agencies	
K				0		0	0	0	0	0	0	0	0	0	0	0	20001	0	0	0	0	0	0	0	0	0	AK
11	Y		0.2	.03	55.1		.06¹			.3 ²	.015¹		L			41.4	48.0	84.8		0.32							HI
/A	Y		455	_1	360	4.0	2.3	_1	11.1	.05	8,768 ²	_1	49 ²	5,000 ²	Y3	Y ³	Y3										WA
R	Y		135	1.5	255	8.9	8.8	.07	43.0 ¹	3.0	50.0	2.0	100¹	15.0	2.0	110 ²	2.0	20.0					2.0	2.0	30.0	60.0	OR
A	Υ																										CA

Footnotes for Table 11. Pacific States

Alaska

1Shared statutory authority with Alaska Department of Natural Resources.

Hawaii

1State lands.

2Agreement with private landowners.

Washington

1No count.
2Stream and river access acres.
31.2 million combined acres (individuals, industry, and other agencies).

Oregon

1Agreement. 2Boeing.

Summary of ChangesTables 1a. - 1b. Agency Organization

			Region	-		To	tal .
Table Heading	NE	SE	MW	IW	Pac	1987	1997
Fish & Wildlife is an independent agency	4	8	3	7	3	27	25
Fish & Wildlife is part of a larger agency	9	3	9	3	2	24	26
Chief administrator of larger agency:							
is a political appointee	9	3	7	3	2	N/A	24
reports to the governor	9	2	6	3	2	N/A	22
is selected by civil service or merit system	0	0	0	0	0	N/A	0
must have nat. res. mgmt., educ. or experience	2	1	0	1	0	N/A	4
must have hunting/fishing experience	0	0	O	0	0	N/A	0
must have sponsorship of sportsmen's organization	0	0	0	0	0	N/A	0
must have current hunting or fishing license	0	0	0	0	0	N/A	0
must have political affiliation	0	0	1	0	0	N/A	1
must have approval of legislature	8	0	6	0	2	N/A	16
is protected from removal except for cause	2	1	0	0	0	N/A	3
is entitled to a public hearing before removal	0	0	0	٥	0	N/A	0
may serve an unlimited number of terms	6	2	4	3	1	0	16
Commission/board members:							
are appointed by governor	11	11	11	10	5	51	48
must have natural resources mgmt., experience or educ.	5	0	3	1	2	N/A	11
must have hunting/fishing experience	4	0	0	2	1	N/A	7
must have sponsorship of sportsmen's organization	1	0	0	0	0	N/A	1
must have current hunting or fishing license	2	1	0	1	0	N/A	4
must have political affiliation	1	0	5	3	0	N/A	9
must have approval of legislature	6	6	8	9	5	33	34
are protected from removal except for cause	6	8	9	7	4	41	34
are entitled to public hearing before removal	1	1	4	3	1	17	10
represent counties	4	1	0	2	1	29	8
represent regions	6	7	4	6	1	N/A	24
selected statewide	6	5	8	4	3	30	26
serve coincident terms	0	1	1	0	0	N/A	2
serve staggered terms	11	9	9	10	5	46	44
may serve unlimited number of terms	5	6	7	8	4	35	30

Summary of Changes
Table 2a. Regulatory Authority

			Region			To	ital
Table Heading	NE	SE	MW	IW	Pac	1987	1997
Authority of Comm./Board in constitution	1	3	2	2	2	8	10
Authority of Comm./Board defined by law	13	9	12	10	5	50	49
Auth. of Comm./Bd. limited to budget, reg., policy	5	5	6	4	2	34	22
Advisory groups mandated by law	7	5	7	3	4	N/A	26
Advisory groups mandated by regulation	0	2	2	0	1	N/A	5
License revocation authorized for persons found guilty	8	7	9	7	2	32	33
License revocation authorized for persons not prosecuted	4	2	2	3	2	4	13
No license revocation authority	2	5	1	0	0	13	8
Can revoke licenses for 1 year	1	1	3	1	0	24	6
Can revoke licenses for > 1 year	9	6	9	7	4	30	35
Can revoke licenses for life	4	1	4	2	2	6	13
Law Enforcement lies within Fish & Wildlife agency	7	11	10	9	3	41	40
Law Enforcement lies in a separate division of same agency	1	1	2	1	1	9	6
Law Enforcement is in another agency	5	0	1	0	2	N/A	8
Law Enforcement shared by wildlife biologists	1	5	3	6	1	N/A	16
Law Enforcement shared by fisheries biologists	0	4	1	6	1	N/A	12
Law Enforcement shared by nongame biologists	0	1	1	4	1	N/A	7
Orange mandatory for big game-reg. firearms season	9	10	12	5	2	N/A	38
Orange mandatory for big game - muzzleloader season	8	8	11	3	1	N/A	31
Orange mandatory for fall turkey hunting	2	0	0	0	1	N/A	3
Orange mandatory for spring turkey hunting	1	0	0	0	0	N/A	1
Orange mandatory for archery hunting	2	0	0	0	1	N/A	3
Orange mandatory for small game hunting	5	3	4	0	2	N/A	14

Summary of ChangesTable 2b. Regulatory Authority

			Region			То	tal
Table Heading	NE	\$E	MW	IW	Pac	1987	1997
Fish & Wildlife director has authority to:							
administer inland fish	12	11	12	10	5	N/A	50
administer inland wildlife	12	11	12	10	5	N/A	50
administer coastal fish	7	3	1	1	5	N/A	17
administer coastal wildlife	9	7	1	1	5	N/A	23
administer marine fish	7	3	0	1	5	N/A	16
administer marine wildlife	8	5	0	2	4	N/A	19
administer boating	4	10	8	4	2	27	28
administer ATVs/snowmobiles	4	3	7	2	2	N/A	18
regulate inland wetlands	2	3	6	4	4	15	19
regulate coastal wetlands	1	3	1	1	4	21	10
regulate electronic calling devices	9	9	10	8	4	45	40
regulate radio telemetry devices	5	3	7	4	3	N/A	22
regulate 2-way radios	2	1	4	4	0	19	11
regulate ATVs	7	4	7	4	3	33	25
regulate motorcycles	6	4	5	4	3	N/A	22
regulate recreational vehicles	7	5	9	3	3	N/A	27
regulate boating laws	5	9	10	4	2	N/A	30
regulate environmental laws	3	4	5	3	4	N/A	19
regulate wildlife depredation management	11	11	12	8	5	N/A	47
regulate taxidermists	7	8	9	3	2	N/A	29
regulate wildlife rehabilitators	12	9	12	9	5	N/A	47
regulate ADC agents	11	10	8	1	3	N/A	33
regulate exotic wildlife	12	9	12	7	5	N/A	45
regulate wolves/hybrids	11	7	10	5	1	N/A	34
regulate inter/intrastate movement of wildlife	12_	11	11	7	5	N/A	46
regulate hunting preserves	12	11	12	9	4	N/A	48
regulate game ranching	10	7	10	6	4	N/A	37
designate game and nongame species	8	7	8	6	3	23	32
manage reptiles/amphibians	12	11	11	9	4	N/A	47
manage inverts	11	9	10	5	4	N/A	39
manage plants	7	2	9	1	2	N/A	21
manage rare plant communities	6	4	7	1	2	N/A	20

Summary of Changes Table 2b. (continued) Regulatory Authority

			Region			To	otal
Table Heading	NE	SE	MW	IW	Pac	1987	1997
License fee authority set by:							
legislature	12	10	9	10	5	47	46
commission/board/secretary	0	1	4	3	1	6	9
Fish & Wildlife head	0	0	0	0	0	N/A	0
Additional fees for species set by:			1				
legislature	12	9	8	9	4	42	42
commission/board/secretary	1	1	0	1	0	N/A	3
Fish & Wildlife head	0	1	5	3	1	N/A	10
Can charge for use of management areas:		-					
commission/board	2	5	7	8	4	N/A	26
commissioner/secretary	0	0	1	0	0	N/A	1
Fish & Wildlife head	4	0	1	0	1	N/A	6
Agency charges for access to some management areas	1	5	6	3	5	N/A	20
State has cased gun law	3	4	6	0	1	N/A	14
State prohibits loaded guns in vehicles	12	5	9	5	3	N/A	34
State prohibits shooting from/near vehicle	12	10	10	10	4	N/A	46
State has a freedom of Information Act	13	11	10	7	5	46	46
State has a wanton waste law	7	6	9	10	4	26	36
State has a hunter harassment law	12	10	12	10	5	N/A	49
State has an angler harassment law	8	7	8	5	1	N/A	29
State has a trapper harassment law	10	6	11	6	3	N/A	36

Summary of Changes Table 3. Agency Administration

	15-47		Region			To	tal
Table Heading	NE	SE	MW	IW	Pac	1987	1997
State has administrative procedures act	13	11	11	10	5	49	50
Public hearings are required:							
at regular intervals	5	2	3	4	1	17	15
upon petition	3	2	4	3	2	12	14
at discretion of board/commissioner	9	5	6	6	3	17	29
for certain actions	2	7	7	7	4	N/A	27
Director/Head of Independent agency							
Selected by:							
governor	4	3	5	2	2	11	16
board/commission/secretary	7	8	7	8	2	34	32
civil service or merit system	3	2	0	0	1	6	6
Term of office:							
based on merit	3	4	2	4	2	26	15
unlimited	12	11	9	7	3	44	42
can be reappointed	4	2	5	3	3	N/A	17
unlimited number of consecutive terms	3	1	2	2	3	N/A	11
Required to have:							
college degree	5	3	1	3	1	16	13
college degree in natural resources	2	2	2	1	1	5	8
college degree in fish & wildlife	0	1	1	1	0	5	3
graduate degree	1	2	0	0	0	N/A	3

Summary of Changes Table 4. Personnel

			Region			To	otal
Table Heading	NE	SE	MW	IW	Pac	1987	1997
Personnel below fish and wildlife head are selected by:							
civil service	11	3	9	5	4	24	32
other merit system	2	7	0	1	2	15	12
Agency can hire nonresident biologists	11	11	12	10	5	50	49
Agency can hire nonresident technicians	10	11	12	10	5	47	48
Agency can hire nonresident conservation officers	10	11	10	10	4	35	45
Minimum education required for conservation LE							
high school diploma	8	6	3	1	5	35	23
college degree	2	3	7	4	0	15	16
college degree in natural resources	2	1	2	6	0	N/A	11
Formal in-service training provided:					1		11.1
by law	2	4	7	5	1	9	19
for commission/board/secretary	1	2	0	4	0	N/A	7
for new employees	8	8	9	6	3	39	34
for established employees	6	6	8	5	3	38	28
periodically for all employees	8	7	9	4	2	19	30
for administrators	3	5	4	2	2	37	16
for biologists/technicians	5	7	6	3	3	45	24
for conservation officers	10	11	12	8	4	47	45
for I&E personnel	3	4	5	2	2	34	16

Summary of Changes Table 5. Finances

			Region	_		To	tal
Table Heading	NE	SE	MW	IW	Pac	1987	1997
Agency receives revenue from bonds	9	4	7	4	4	37	28
Bonds used for capital improvement	11	2	7	5	3	22	28
Bonds used for land acquisition	7	5	4	3	2	23	21
State fish and wildlife fund:							
separate and established by law	12	10	12	10	5	48	49
available for use without legislative approval	3	0	1	3	0	11	7
protected from diversion by law	13	9	12	9	4	51	47
Annual license sales invested for interest	10	8	11	9	3	28	41
Lifetime license sales invested for interest	8	8	6	7	1	N/A	30
Agency receives general funds:							
yearly or biennially	10	6	8	5	5	27	34
for emergencies	1	1	5	1	1	1	9
for special projects	5	6	7	2	0	17	20
for capital construction	5	3	7	3	3	33	21
State has a match for Teaming With Wildlife	8	4	7	5	2	N/A	26
Budget priorities prepared by:							
governor or cabinet	7	3	8	6	3	6	27
board/commission/secretary	9	10	7	8	4	32	38
state office of budget	4	2	7	4	2	3	19
legislative committee	4	2	7	5	2	1	20
legislative budget officer	3	2	4	5	0	1	14
Budget priorities are frequently altered	3	5	3	3	1	12	15
Budget priorities are seldom/never altered	9	4	7	6	4	3	30
Budget system is:							
based on continuation	5	5	4	6	1	13	21
based on planning, programming, and budgeting	5	7	7	3	4	34	26
zero-based	0	2	1	1	1	9	5
by objective	4	1	4	1	2	7	12

Summary of Changes Table 6. Planning and Policy

				Total			
Table Heading	NE	SE	MW	IW	Pac	1987	1997
Agency has comprehensive plan approved by USFWS	3	3	3	3	0	9	12
Legislative proposals based on F&W plan	5	4	5	3	2	7	19
Budgets prioritized by Plan priorities	6	5	6	3	2	N/A	22
Planning conducted by:							
F&W agency	9	8	6	3	3	43	29
DNR or equivalent	1	1	1	0	0	7	3
state planning agency	0	0	0	0	0	4	0
Conservation plan is being developed	6	4	2	2	2	34	16
Planning done by full-time planning staff	4	2	6	3	1	25	16
Agency has plans for development/zoning by:							
regions	3	3	6	0	2	35	14
river basins	1	2	5	2	3	30	13
watersheds	3	2	4	0	3	30	12
lakes	2	3	8	2	1	38	16
floodplains	0	0	2	0	0	19	2
shore lands	1	0	3	0	0	20	4
estuaries	2	0	1	0	1	16	4
ecosystems	4	1	6	1	0	N/A	12
Policy manual available	7	10	9	10	5	42	41
Policy manual updated regularly	5	9	9	7	4	37	34
Policy manual distributed to commission/board	4	9	7	8	4	N/A	32
Policy manual distributed to employees	6	10	9	10	5	N/A	40

Summary of Changes Table 7. Information and Education

		Region					
Table Heading	NE	SE	MW	IW	Pac	1987	1997
Agency has full-time I&E staff	11	11	12	10	5	49	49
I&E program includes:			1				
magazines	11	10	12	8	2	42	43
news releases	13	10	12	10	5	51	50
radio	6	7	9	10	5	48	37
television	6	8	11	10	4	44	39
exhibits	13	10	12	10	5	50	50
videos	6	8	11	6	4	N/A	35
youth education	13	10	12	9	3	45	47
adult education	11	10	11	9	3	34	44
trapper education	9	3	7	5	3	25	27
waterfowl Identification	6	4	5	5	1	27	21
education center	8	6	6	6	1	19	27
nongame education	10	8	9	В	3	N/A	38
aquatic education	11	10	12	9	5	N/A	47
boating education	2	10	7	5	1	N/A	25
archery education	8	7	8	7	3	N/A	33
Project WILD	11	10	12	10	4	N/A	47
Aquatic WILD	9	10	10	8	3	N/A	40
hunter education	9	9	11	10	5	23	44

Summary of Changes Table 8. Research

		•	Region			To	otal
Table Heading	NE	SE	MW	IW	Pac	1987	1997
Assists out-of-state research with:							
funds	11	10	12	10	4	46	47
personnel	7	9	10	9	4	49	39
Wildlife research funded with P-R funds	11	11	11	10	5	50	48
Wildlife research funded with other federal funds	8	8	7	9	5	29	37
Currently conducting research on:							
turkeys	5	7	10	4	1	N/A	27
gamebirds	4	8	11	10	3	N/A	36
waterfowl	6	8	10	4	2	N/A	30
big game mammals	8	9	12	9	5	N/A	43
small game mammals	4	5	7	3	0	N/A	19
furbearers	7	5	9	5	1	N/A	27
T&E species	9	10	10	10	5	N/A	44
neotropical migrants	4	8	8	5	2	N/A	27
other nongame	4	9	9	6	5	N/A	33
Currently monitoring population trends of:							
turkeys	11	11	12	9	4	N/A	47
gamebirds	10	10	11	9	5	48	45
waterfowl	12	11	12	9	5	49	49
big game mammals	12	11	12	10	5	N/A	50
small game mammals	8	11	12	8	4	N/A	43
furbearers	12	10	11	9	4	43	46
T&E species	12	11	12	10	5	45	50
neotropical migrants	9	10	9	7	4	N/A	39
other nongame	12	11	11	8	5	49	47
Collects information to estimate harvest of:							
big game mammals	12	11	12	10	5	N/A	50
turkeys	12	11	12	10	4	N/A	49
other game birds	7	11	12	10	5	N/A	45
small game mammals	7	11	12	8	3	N/A	41
furbearers	10	11	12	10	4	N/A	47
Conducts in-house research on:							
freshwater coldwater fish	9	6	9	9	4	N/A	37
freshwater warmwater fish	9	10	12	8	2	N/A	41
saltwater fish	7	2	0	1	5	N/A	15
nongame fish	4	6	9	6	5	N/A	30
mussels	3	6	4	2	0	N/A	15
Fisheries research funded with W-B funds	12	11	12	9	5	47	49
Fisheries research funded with other federal funds	5	5	4	6	3	43	23

Summary of Changes Table 8 (continued). Research

		·	Region			To	tal
Table Heading	NE	SE	MW	IW	Pac	1987	1997
Monitors population status of:							
freshwater coldwater fish	9	7	11	10	5	41	42
freshwater warmwater fish	10	11	12	10	4	47	47
saltwater fish	7	3	0	1	5	17	16
nongame fish	7	8	9	9	3	N/A	36
mussels	7	8	7	2	0	N/A	24
Conducts studies to evaluate introduced exotic:					l l	li Li	
freshwater fish	9	9	11	9	4	45	42
saltwater fish	1	0	0	1	2	6	4
Conducts studies to evaluate stocking of:							
freshwater fish	12	11	12	9	5	47	49
saltwater fish	4	2	0	2	4	8	12
Agency conducts research:							
using GAP analysis/GIS	10	9	11	9	4	N/A	43
in marketing	4	4	8	5	0	N/A	21
on biodiversity	7	8	6	5	1	N/A	27
on human dimensions in wildlife management	9	8	8	8	1	N/A	34

Summary of Changes Table 9a. Management and Operations

	Region				Total		
Table Heading	NE	SE	MW	IW	Pac	1987	1997
Agency has habitat programs for:							
wetlands wildlife	12	10	12	10	5	48	49
big game	10	9	12	10	5	50	46
upland game	11	10	12	10	5	50	48
nongame	10	8	11	8	4	38	41
T&E species	11	9	11	10	5	45	46
Agency maintains, develops, or manages:						Ī	
Access to private lands for:							
hunting	8	7	8	9	4	49	36
fishing	6	6	8	6	4	48	30
boating	3	3	1	5	4	N/A	16
watchable wildlife	4	2	2	7	3	N/A	18
hikers	0	1	1	0	2	N/A	4
campers	0	1	0	0	1	N/A	2
Public areas for:							
hunting	12	11	12	9	5	50	49
fishing	12	11	12	10	5	48	50
boating	9	10	10	8	4	N/A	41
watchable wildlife	11	11	11	9	_5	N/A	47
hikers	8	7	8	6	3	N/A	32
campers	4	8	10	7	2	N/A	31
State management areas for:							
waterfowl	10	11	11	9	5	46	46
big game	7	9	7	7	5	30	35
upland game	7	11	11	9	4	29	42
nongame	7	7	6	4	4	31	28
Agency maintains, develops, or manages game farms	4	1	5	1	1	21	12
Fish hatcheries for:							
warmwater fish	7	11	12	7	1	38	38
coldwater fish	11	7	11	9	5	36	43
saltwater fish	2	1	0	1	_3	6	7
Captive native species allowed by permit	11	11	12	9	5	N/A	48
Captive exotic species allowed by permit	11	10	12	9	5	N/AA	47
Disease testing of captives required	9	8	8	9	3	N/A	37
Specific cage requirements exist	6	9	7	9	3	N/A	34

Summary of Changes Table 9b. Management and Operations

			Region		-	Total	
Table Heading	NE	SE	MW	1W	Pac	1987	1997
Fee hunting preserves:							
state has some	12	11	12	9	4	N/A	48
agency provides technical assistance	3	9	8	5	4	36	29
agency provides full time agency staff person	0	1	3	0	1	4	5
preserve acreage is regulated	9	_9	11	1	1	N/A	31
operators set regulations	4	3	7	6	1	N/A	21
Agency provides wildlife management assistance	9	10	12	8	4	48	43
Agency provides fisheries management assistance	10	10	11	8	4	45	43
Agency promotes public access to private lands by:					PO.		
fees/services	7	5	5	6	3	27	26
agreements with industry	12	10	7	8	4	42	41
cooperative programs with USDA	3	4	3	2	0	28	12
cooperative programs with private groups	8	4	5	5	3	28	25
Landowner liability relief law	12	9	12	10	4	43	47
Hunting clubs need permits for big game	3	2	4	3	1	7	13
Hunting clubs need permits for upland game	7	2	4	2	1	7	16
Hunting clubs need permits for waterfowl	7	3	4	1	1	8	16
Predator control conducted by extension programs	3	2	4	2	0	16	11
Predator control conducted by bounty payments	0	0	1	0	0	3	1
Predator control conducted by coop, with ADC	7	9	10	10	4	N/A	40
Damage payments authorized for predators	1	0	0	2	1	N/A	4
Damage payments authorized for big game	5	0	1	6	1	N/A	13
Damage payments authorized for waterfowl	0	0	1	1	0	N/A	2
Damage payments authorized for upland/small game	0	0	0	0	0	N/A	0
Regulations established by management units for:							
big game species	11	9	12	9	5	48	46
furbearers	5	6	6	4	3	N/A	24
turkeys	10	7	11	8	3	N/A	39
upland/small game	5	7	5	5	4	N/A	26

Summary of Changes
Table 10. Cooperative Programs and EIS Review

			Region			To	tal
Table Heading	NE	SE	MW	IW	Pac	1987	1997
Agency maintains cooperative program with:							
USFWS	13	11	12	10	5	51	51
NOAA	10	4	5	0	4	41	23
EPA	10	5	8	5	3	39	31
BOR	1	2	4	9	2	16	18
BLM	0	1	3	8	4	17	16
NRCS	9	10	11	9	3	48	42
FSA	8	9	8	5	3	48	33
CSREES	5	9	7	3	2	47	26
USFS	9	11	12	10	5	47	47
USCOE	11	10	12	5	4	49	42
other military groups	8	7	10	9	4	44	38
state highway department	10	8	9	7	5	51	39
colleges	13	9	12	10	5	51	49
youth groups	11	6	5	3	4	45	29
conservation groups	13	10	12	9	5	50	49
Sikes Act Program with.							
military lands	3	5	2	1	3	15	14
USFS	1	5	4	2	2	23	14
BLM	0	٥	0	4	2	6	6
State EPA within agency	11	9	8	7	4	10	39
State requires EISs	6	7	7	1	3	21	24
Agency reviews/comments on EISs	13	11	11	10	5	50	50
State clearinghouse for EISs:							
requires agency review	6	10	9	6	1	47	32
reflects agency recommendations	7	10	10	7	5	42	39
includes recommendations for mitigation	9	9	10	6	5	48	39
includes recommendations for enhancement	7	9	10	6	4	43	36
Agency is free to submit EIS review	11	11	7	9	5	45	43
EIS review is funded by:							
F & W funds	12	10	10	10	5	46	47
general appropriations	7	2	5	2	3	9	19
fund transfers	2	2	0	1	1	1	6
state clearinghouse	0	0	0	0	1	1	1
EIS review expenses charged to:							
federal agencies	5	2	1	2	0	7	10
other state agencies	3	1	1	2	1	6	8
local agencies	0	0	0	0	0	2	0
regional agencies	1	0	0	0	0	4	1
private agencies	3	1	1	0	1	11	6

Summary of ChangesTable 11. Agency Lands and Waters

	Region					Total	
Table Heading	NE	SE	MW	ĪW	Pac	1987	1997
State agency:							
makes payments in lieu of taxes	5	3	7	9	4_	22	28
pays taxes	2	0	3	0	0	9	5