APPENDIX E

NATURAL RESOURCES MANAGEMENT PLAN

OUTLINE FOR PART IV—FISH AND WILDLIFE MANAGEMENT*

E-1. General.

E-1.1. Objectives. Specific objectives of this plan are to provide, compatible with the military mission, the following:

E-1.1.1. Long-range and annual plans of work for fish and wildlife habitat, development and maintenance. (see Annex I)

E-1.1.2. Integration of fish and wildlife management practices with other natural resources management work, with emphasis on multiple use concept.

E-1.1.3. Preservation, where possible, of wetlands valuable for waterfowl and other wildlife.

E-1.1.4. Protection and preservation of existing important fish and wildlife species and those threatened by extinction.

E-1.1.5. Optimum ecological development of land and water areas.

E-1.1.6. Recommendations for fish and wildlife harvest designed to adjust fish and game populations to the capacity of available habitat.

E-1.1.7. Natural beauty protection, improvement and enhancement associated with the fish and wildlife management program.

E-1.1.8. Additional recreational benefits for both installation personnel and the general public.

E-1.2. Description of the fish and wildlife areas.

E-1.2.1. Indicate on small scale installation map the land and water areas available for fish and wildlife management.

E-1.2.2. Make a tabulation of native species of wildlife food and cover plants by common and scientific names.

E-1.2.3. Discuss military use of areas within the fish and wildlife management areas.

E-1.3. History of fish and wildlife management.

E-1.3.1. General

E-1.3.2. Indicate degree of cooperation with State and Federal agencies, with local organizations (conservation clubs, sportsmen clubs, etc.) and other groups.

E-1.3.3. Describe extent of public use for hunting and fishing. (Give logical and substantial reasons if access is denied.)

E-1.4. Fish and wildlife resources.

E-1.4.1. Denote fish species and the estimated numbers (table form) of game species.

E-1.4.2. Denote non-game birds common to the area.

E-1.4.3. Indicate endangered and threatened species found on or in the vicinity of the installation.

E-1.5. Fish and wildlife potentials.

E-1.5.1. Describe habitat trends (vegetation transition important to wildlife).

E-1.5.2. Describe population trends.

E-1.5.3. Game responses to past land use and management programs.

E-1.5.4. Potential days of hunting and fishing; include past history.

E-1.6. Responsibilities. Include responsibilities (Facilities Engineer, Provost Marshal, Special Services Officer, State, Federal, other Cooperative Agency)

E-1.6.1. Fish and wildlife management and habitat improvement.

E-1.6.2. Establishing harvest quotas.

E-1.6.3. Law enforcement and policing the harvest.

E-1.6.4. Organized Hunts.

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*Plan outline is not applicable to Air Force installations. Air Force installations should use the format prescribed in AFR 126-1.

E-1.6.5. Issuing special licenses and permits.
E-1.6.6. Maintaining records of take and hours of fishing and hunting.
E-1.6.7. Census taking and operation of check points.
E-1.7. Objectives of management.
E-1.7.1. Hunting within goals of optimum population.
E-1.7.2. Provide satisfactory fishing within resource capabilities.
E-1.7.3. Protection of endangered and threatened fish and wildlife species.
E-1.7.4. Bird and animal watching.

E-2. Management.

E-2.1. Wildlife habitat management and maintenance.
E-2.1.1. Treatment of existing habitat.
E-2.1.1.1. Disking, timely mowing or other cultural practices that will encourage the development of native game food plants.
E-2.1.1.2. Brush cutting for habitat improvement.
E-2.1.1.3. Use of control burning as a game management tool.
E-2.1.1.4. Other methods and treatments such as cutting saplings for emergency deer browse and the retention of mast and den trees.
E-2.1.2. Establishment and maintenance of game food areas (annual and perennial plants).
E-2.1.2.1. Species to be planted or maintained and the intended use. Give number, size, and distribution of plots.
E-2.1.2.2. Seeding and maintenance practices, seeding rates, methods, dates, frequencies, fertilization and cultural practices for each species.
E-2.1.3. Establishment and maintenance of water facilities for wildlife.
E-2.1.3.1. Give number and location of existing water facilities (tanks, ponds, windmills, springs).
E-2.1.3.2. Give number and location of proposed new water facilities.
E-2.1.4. Predator control.
E-2.1.4.1. Known predators, estimated populations and problems.
E-2.1.4.2. Control methods and extent.
E-2.1.4.3. Coordination with appropriate State and Department of the Interior personnel.
E-2.1.5. Harvest management.
E-2.1.5.1. Establishment of quotas by species to maintain a balance between game and available food.
E-2.1.5.2. Census data, harvest recommendations, policing the harvest, check points, maintenance or records of take.
E-2.1.6. Wetlands management.
E-2.1.6.1. Waterfowl impoundments.
E-2.1.6.2. Waterfowl nesting areas and structures.
E-2.1.6.3. Marshland improvements, such as constructing open waterways, small islands for waterfowl use and pot-hole development.
E-2.2. Fish management.
E-2.2.1. Fish species to be managed.
E-2.2.2. Management practices and facilities improvements.
E-2.2.2.1. Fishing facilities available and needed (docks, piers, marinas, boats, motors) and responsibilities for each.
E-2.2.2.2. Shoreline development (stabilization, access areas, etc.).
E-2.2.2.3. Fertilization.
E-2.2.2.4. Aquatic weed control.
E-2.2.2.5. Rough fish control.
E-2.2.2.6. Stocking and restocking.
E-2.2.2.7. Fish farming.
E-2.2.2.8. Pollution control.
E-2.2.2.9. New lakes or ponds proposed.
E-2.2.2.10. Other.

E-2.3. Exploration and studies in cooperation with Federal, State and local agencies.

E-2.3.1. Populations.

E-2.3.2. Mortality studies.

E-2.3.3. Disease, pests and insects.

E-2.3.4. Browse studies

E-2.3.5. Habitat improvement

ANNUAL WORK PLAN—FISH & WILDLIFE MANAGEMENT—MAJOR REQUIREMENTS & ESTIMATED COSTS (Suggested Format) ANNEX I to Appendix E

TO: FROM: For Fiscal Year

Line	Job Description a	unit b	amount c	WORK BY POST FORCES man days d	labor cost e	material cost f	equipment rental cost g	WORK BY CONTRACT amount h	cost i	Work by others j	Equipment acquisition (dollars) k	Estimated total cost l	Type of funding m
	WILDLIFE MANAGEMENT:												
1.	Cultural practices on existing plants	ac											
2.	Annual plantings	ac											
3.	Perennial plantings	ac											
4.	Marsh or wet land development	ac											
5.	Vegetation control	ac											
6.	Nest boxes (duck, squirrel etc)	no.											
7.	Other habitat improvements												
	FISH MANAGEMENT:												
8.	Pond or lake construction	ac											
9.	Pond or lake renovation	ac											
10.	Shoreline development	lin ft.											
11.	Pond fertilization	ac											
12.	Fish "farms" (feeding)	no.											
13.	Aquatic weed control	ac											
14.	Rough fish control	ac											
15.	Other												
	MISCELLANEOUS												
16.	Fish & game stocking	no.											
17.	Fish & game inventory												
18.	Sampling & growth surveys	no.											
19.	Inspection (bag, creel etc check)	no.											
20.	Regulatory (licenses, tags, enforcement etc)												
21.	Predator control												
22.	Special watering devices	no.											
23.	Fish & game feeding												
24.	Training classes/conferences	no.											
25.	Administration												
26.	Other												
27.	TOTAL												

Footnotes:

5. Chemical and/or mechanical
8. Including docks, piers, launching facilities, water control structures, etc.
10. Stabilization, access areas, etc.
j. Use as desired to record work items by others either at a cost or gratuitously
m. Use digit symbols as follows: (1) O&MA (2) 21X5095 (3) Other non-appr. (welfare, sundry, private assoc. etc) (4) Troop labor (5) State & Fed. Grants. Report costs to the nearest dollar and amounts (c.d.h.) to the nearest whole number.