

United States Department of Agriculture
Natural Resources Conservation Service

03/25/2002

White Sands Missile Range, New Mexico, Parts of Dona Ana, Lincoln, Otero, Sierra and Socorro Counties
Table F.--Wildlife Habitat

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herba- ceous plants	Hard- wood trees	Conif- erous plants	Shrubs	Wetland plants	Shallow water areas	Open- land wild- life	Wood- land wild- life	Wetland wild- life	Range- land wild- life
Ac:												
Active Dune Land-----	Very poor	Very poor	Poor	---	---	Poor	Very poor	Very poor	Poor	---	Very poor	Poor
AD:												
Anklam-----	Poor	Poor	Fair	---	---	Fair	Very poor	Very poor	Poor	---	Very poor	Fair
Aladdin-----	Poor	Poor	Fair	---	---	Fair	Very poor	Very poor	Poor	---	Very poor	Fair
BD:												
Berino-----	Very poor	Very poor	Poor	---	---	Poor	Poor	Very poor	Poor	---	Very poor	Poor
Dona Ana-----	Very poor	Very poor	Poor	---	---	Poor	Poor	Very poor	Poor	---	Very poor	Poor
Do:												
Deama-----	Very poor	Very poor	Fair	---	Fair	Fair	Very poor	Very poor	Poor	Fair	Very poor	Fair
Rock Outcrop-----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor
DP:												
Dona Ana-----	Very poor	Very poor	Poor	---	---	Poor	Poor	Very poor	Poor	---	Very poor	Poor
Pajarito-----	Very poor	Very poor	Poor	---	---	Poor	Poor	Very poor	Poor	---	Very poor	Poor
Bluepoint-----	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor

**United States Department of Agriculture
Natural Resources Conservation Service**

03/25/2002

White Sands Missile Range, New Mexico, Parts of Dona Ana, Lincoln, Otero, Sierra and Socorro Counties
Table F.--Wildlife Habitat

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herba- ceous plants	Hard- wood trees	Conif- erous plants	Shrubs	Wetland plants	Shallow water areas	Open- land wild- life	Wood- land wild- life	Wetland wild- life	Range- land wild- life
Du:												
Dune Land-----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor
Dona Ana-----	Very poor	Very poor	Poor	---	---	Poor	Poor	Very poor	Poor	---	Very poor	Poor
Bluepoint-----	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
DY:												
Dune Land-----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor
Yesum-----	Very poor	Very poor	Poor	---	---	Poor	Very poor	Very poor	Poor	---	Very poor	Poor
Gr:												
Gilland-----	Very poor	Poor	Poor	---	---	Fair	Very poor	Very poor	Poor	---	Very poor	Poor
Rock Outcrop-----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor
Gs:												
Gypsum Land-----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor
Gu:												
Gypsum Land-----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor

**United States Department of Agriculture
Natural Resources Conservation Service**

03/25/2002

White Sands Missile Range, New Mexico, Parts of Dona Ana, Lincoln, Otero, Sierra and Socorro Counties
Table F.--Wildlife Habitat

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herba- ceous plants	Hard- wood trees	Conif- erous plants	Shrubs	Wetland plants	Shallow water areas	Open- land wild- life	Wood- land wild- life	Wetland wild- life	Range- land wild- life
Gv:												
Gypsum Rock Land-----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor
Tanbark-----	Very poor	Very poor	Fair	---	---	Fair	Poor	Very poor	Poor	---	Very poor	Fair
InT:												
Intermittent Lakes-----	---	---	---	---	---	---	---	---	---	---	---	---
LA:												
La Fonda-----	Poor	Fair	Fair	---	---	Poor	Poor	Very poor	Poor	---	Very poor	Fair
La Fonda-----	Poor	Fair	Fair	---	---	Poor	Poor	Very poor	Poor	---	Very poor	Fair
Lf:												
Lava Flows-----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor
Lr:												
Lozier-----	Very poor	Very poor	Poor	---	Very poor	Poor	Very poor	Very poor	Poor	---	Very poor	Poor
Rock Outcrop-----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor
MA:												
Marcial-----	Very poor	Very poor	Poor	---	---	Poor	Poor	Poor	Poor	---	Poor	Poor
Ubar-----	Very poor	Very poor	Poor	---	---	Poor	Very poor	Very poor	Very poor	---	Very poor	Poor

United States Department of Agriculture
Natural Resources Conservation Service

03/25/2002

White Sands Missile Range, New Mexico, Parts of Dona Ana, Lincoln, Otero, Sierra and Socorro Counties
Table F.--Wildlife Habitat

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herba- ceous plants	Hard- wood trees	Conif- erous plants	Shrubs	Wetland plants	Shallow water areas	Open- land wild- life	Wood- land wild- life	Wetland wild- life	Range- land wild- life
Me:												
Mead-----	---	---	Very poor	---	---	Very poor	Poor	Fair	---	---	Fair	Very poor
MG:												
Mimbres-----	Very poor	Very poor	Poor	---	---	Poor	Very poor	Very poor	Very poor	---	Very poor	Poor
Glendale-----	Very poor	Very poor	Poor	---	---	Poor	Very poor	Very poor	---	---	---	Poor
NT:												
Nickel-----	Very poor	Very poor	Fair	---	---	Fair	Very poor	Very poor	Poor	---	Very poor	Fair
Tencee-----	Very poor	Very poor	Poor	---	---	Poor	Very poor	Very poor	Very poor	---	Very poor	Poor
OB:												
Onite-----	Very poor	Very poor	Poor	---	---	Poor	Very poor	Very poor	Poor	---	Very poor	Poor
Bluepoint-----	---	---	Poor	---	---	Poor	---	---	---	---	---	Poor
Wink-----	Very poor	Very poor	Poor	---	Very poor	Poor	Very poor	Very poor	Very poor	---	Very poor	Poor
Os:												
Oscura-----	Very poor	Very poor	Fair	---	---	Fair	Poor	Poor	Poor	---	Poor	Fair

**United States Department of Agriculture
Natural Resources Conservation Service**

03/25/2002

White Sands Missile Range, New Mexico, Parts of Dona Ana, Lincoln, Otero, Sierra and Socorro Counties
Table F.--Wildlife Habitat

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herba- ceous plants	Hard- wood trees	Conif- erous plants	Shrubs	Wetland plants	Shallow water areas	Open- land wild- life	Wood- land wild- life	Wetland wild- life	Range- land wild- life
RK:												
Rockland Cool-----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor
Rubble Land-----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor
Deama-----	Very poor	Very poor	Fair	---	Fair	Fair	Very poor	Very poor	Poor	Fair	Very poor	Fair
RL:												
Rock Land-----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor
Rubble Land-----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor
Lozier-----	Very poor	Very poor	Poor	---	Very poor	Poor	Very poor	Very poor	Poor	---	Very poor	Poor
SH:												
Rubble Land-----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor
Shale Rock Land-----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor
Deama-----	Very poor	Very poor	Fair	---	Very poor	Poor	Very poor	Very poor	Poor	Very poor	Very poor	Poor

United States Department of Agriculture
Natural Resources Conservation Service

03/25/2002

White Sands Missile Range, New Mexico, Parts of Dona Ana, Lincoln, Otero, Sierra and Socorro Counties
Table F.--Wildlife Habitat

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herba- ceous plants	Hard- wood trees	Conif- erous plants	Shrubs	Wetland plants	Shallow water areas	Open- land wild- life	Wood- land wild- life	Wetland wild- life	Range- land wild- life
SP:												
Sonoita-----	Very poor	Very poor	Fair	---	---	Fair	Very poor	Very poor	Very poor	---	Very poor	Fair
Pinaleno-----	Very poor	Very poor	Fair	---	---	Fair	Very poor	Very poor	Very poor	---	Very poor	Fair
Aladdin-----	Poor	Poor	Fair	---	---	Fair	Very poor	Very poor	Poor	---	Very poor	Fair
SR:												
Sotim-----	Very poor	Very poor	Poor	---	---	Poor	Very poor	Very poor	Very poor	---	Very poor	Poor
Russler-----	Very poor	Very poor	Poor	---	---	Poor	Poor	Very poor	Very poor	---	Very poor	Poor
TC:												
Tencee-----	Very poor	Very poor	Poor	---	---	Poor	Very poor	Very poor	Very poor	---	Very poor	Poor
Nickel-----	Very poor	Very poor	Fair	---	---	Fair	Very poor	Very poor	Poor	---	Very poor	Fair
TK:												
Tencee-----	Very poor	Very poor	Poor	---	---	Poor	Very poor	Very poor	Very poor	---	Very poor	Poor
Nickel-----	Very poor	Very poor	Fair	---	---	Fair	Very poor	Very poor	Poor	---	Very poor	Fair

**United States Department of Agriculture
Natural Resources Conservation Service**

03/25/2002

White Sands Missile Range, New Mexico, Parts of Dona Ana, Lincoln, Otero, Sierra and Socorro Counties
Table F.--Wildlife Habitat

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herba- ceous plants	Hard- wood trees	Conif- erous plants	Shrubs	Wetland plants	Shallow water areas	Open- land wild- life	Wood- land wild- life	Wetland wild- life	Range- land wild- life
Ye:												
Yesum-----	Very poor	Very poor	Poor	---	---	Poor	Very poor	Very poor	Poor	---	Very poor	Poor
YH:												
Yesum-----	Very poor	Very poor	Poor	---	---	Poor	Very poor	Very poor	Poor	---	Very poor	Poor
Holloman-----	Very poor	Very poor	Poor	---	---	Poor	Very poor	Very poor	Very poor	---	Very poor	Poor
Gypsum Land-----	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor	Very poor

(See text for definitions of terms used in this table. Absence of an entry indicates that no rating is applicable.)

Wildlife Interpretations

General

Soils directly affect the kind and amount of vegetation that is available to wildlife as food and cover. They also affect the development of water impoundments. The kind and abundance of wildlife that populate an area depend largely on the amount and distribution of food, cover, water, and living space. If any one of these elements is missing, inadequate, or inaccessible, wildlife will be scarce or will not inhabit the area. If the soils have the potential, wildlife habitat can be created or improved by planting appropriate vegetation, properly managing the existing plant cover, and fostering the natural establishment of desirable plants.

Soils are rated according to their potential for providing habitat for various kinds of wildlife. This information can be used in planning parks, wildlife refuges, nature study areas, and other developments for wildlife. It can also be used in selecting soils that are suitable for establishing, improving, or maintaining specific elements of wildlife habitat.

United States Department of Agriculture
 Natural Resources Conservation Service

03/25/2002

White Sands Missile Range, New Mexico, Parts of Dona Ana, Lincoln, Otero, Sierra and Socorro Counties
 Table F.--Wildlife Habitat

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herba- ceous plants	Hard- wood trees	Conif- erous plants	Shrubs	Wetland plants	Shallow water areas	Open- land wild- life	Wood- land wild- life	Wetland wild- life	Range- land wild- life

Continued:

Suitability Ratings

Good - means that the element of wildlife habitat or the kind of habitat is easily created, improved, or maintained. Few or no limitations affect management, and satisfactory results can be expected if the soil is used for the designated purpose.

Fair - means that the element of wildlife habitat or kind of habitat can be created, improved, or maintained in most places. Moderately intensive management is required for satisfactory results.

Poor - means that limitations are severe for the designated element or kind of wildlife habitat. Habitat can be created, improved, or maintained in most places, but management is difficult and requires intensive effort.

Wildlife Habitat Suitability

Description of Wildlife Habitat Elements

Grain and seed crops are seed producing annuals used by wildlife. Examples are corn, wheat, rye, oats, barley, millet, buckwheat, and sunflowers.

Grasses and legumes are domestic perennial grasses and herbaceous legumes that are planted for wildlife food and cover. Examples are fescue, bluegrass, bromegrass, timothy, orchardgrass, clover, alfalfa, trefoil, reed canarygrass, and crownvetch.

Wild herbaceous plants are native and naturally established herbaceous grasses and forbs, including weeds that provide food and cover for wildlife. Examples are bluestem, indiagrass, blueberry, goldenrod, lambsquarters, dandelions, blackberry, ragweed, wheatgrass, fescue, and nightshade.

Hardwood trees and the associated woody understory provide cover for wildlife and produce nuts or other fruit, buds, catkins, twigs, bark, or foliage that wildlife eat. Examples of native plants are oak, poplar, cherry, apple, birch, beech, maple, hickory, hazelnut, black walnut, and viburnum. Examples of fruit-bearing shrubs that are commercially available and suitable for planting on soils rated good are hawthorn, honeysuckle, sumac, silky dogwood, highbush cranberry, autumn olive, and crabapple.

United States Department of Agriculture
Natural Resources Conservation Service

03/25/2002

White Sands Missile Range, New Mexico, Parts of Dona Ana, Lincoln, Otero, Sierra and Socorro Counties
Table F.--Wildlife Habitat

Map symbol and soil name	Potential for habitat elements								Potential as habitat for--			
	Grain and seed crops	Grasses and legumes	Wild herba- ceous plants	Hard- wood trees	Conif- erous plants	Shrubs	Wetland plants	Shallow water areas	Open- land wild- life	Wood- land wild- life	Wetland wild- life	Range- land wild- life

Continued:

Coniferous plants are cone bearing trees, shrubs, or ground cover that furnish habitat or supply food in the form of browse, seed, or fruitlike cones. Examples are pine, spruce, hemlock, fir, yew, cedar, larch, and juniper.

Wetland plants are annual and perennial wild herbaceous plants that grow on moist or wet sites, exclusive of submerged or floating aquatics. They produce food or cover for wildlife that use wetland as habitat. Examples of wetland plants are smartweed, wild millet, rushes, sedges, reeds, wildrice, arrowhead, waterplantain, pickerelweed, and cattail.

Shallow water is bodies of surface water that have an average depth of less than 5 feet and are useful as habitat for wildlife. They can be naturally wet areas, or they can be created by dams or levees, or by water-control devices in marshes or streams. Examples are muskrat marshes, waterfowl feeding areas, wildlife watering developments, beaver ponds, and other wildlife ponds.

Kinds of Wildlife Habitat

Openland habitat consists of croplands, pastures, meadows, and areas that are overgrown with grasses, herbs, shrubs, and vines. These areas produce grain and seed crops, grasses and legumes, and wild herbaceous plants. The kinds of wildlife attracted to these areas include bobwhite quail, pheasant, meadowlark, field sparrow, killdeer, cottontail rabbit, red fox, and woodchuck.

Woodland habitat consists of hardwood or conifers, or a mixture of these and associated grasses, legumes and wild herbaceous plants. Examples of wildlife attracted to this habitat are wild turkey, woodcock, thrushes, woodpeckers, owl, tree squirrels, gray fox, porcupine, raccoon, deer, and black bear.

Wetland habitat consists of water-tolerant plants in open, marshy or swampy, shallow water areas. Examples of wildlife attracted to this habitat are ducks, geese, herons, bitterns, rails, kingfishers, muskrat, otter, mink, and beaver.