

USDA, SCS
Section II-E
Technical Guide
Area 20, Texas

R 082X4372TX

SANDY
RANGE SITE DESCRIPTION
PE-31-44

Land Resource Area Central Basin

Location _____

Date 7/3/73

1. TOPOGRAPHY AND ELEVATION: This site occurs on nearly level to gently sloping upland areas. Slopes are 1 to 5 percent. Elevations are 1000 to 1600 feet.

2. SOILS:
 - a. These noncalcareous soils have reddish brown, brown, and yellowish loamy fine sand and fine sand surface and grayish to reddish clay, sandy clay, and sand clay loam subsoils. The pH of the soil will usually be about 6.5 to 7.0 to a depth of 40 inches. There is good movement of water, air, and roots throughout the soil profile and the moisture received is efficiently used.

 - b. Soil taxonomic units which characterize this site are:
 - Demona loamy fine sand
 - Heaton loamy fine sand
 - Nimrod loamy fine sand

 - c. Specific site location:

3. CLIMAX VEGETATION:
 - a. The climax plant community is a mixture of oak, grasses, and forbs. The trees get rather large on this site. Grasses include predominately little bluestem and sand lovegrass.

RELATIVE PERCENTAGE

<u>Grasses</u>	<u>80%</u>	<u>Woody</u>	<u>15%</u>	<u>Forbs</u>	<u>5%</u>
Little bluestem	40	Post oak	15	Louisiana sagewort	3
Indiangrass	5	Blackjack oak		Leavenworth vetch	
Sand lovegrass	15	Hackberry	T	Snoutbean	
Plainslovegrass				Greenbriar	T
Fall witchgrass	5			Engelmann daisy	2
Purpletop	5			Sensitivebriar	
Fringeleaf paspalum	5			Grays milkpea	
Meadow dropseed	5			Bush sunflower	
Sideoats grama				Annuals	
Threeawn	T				
Scribner's panicum	T				
Hooded windmill	T				

- b. As retrogression occurs, annual forbs and grasses increase greatly. Mesquite and whitebrush are the main invading woody plants. Common invaders are red lovegrass, gummy lovegrass, matt sandbur, threeawn, basin sneezeweed, and upright prairie coneflower.
- c. Approximate total annual yield of this site in excellent condition varies from 2000 pounds to 4000 pounds per acre air-dry weight depending on growing conditions.
4. WILDLIFE NATIVE TO THE SITE: This site is used by deer, turkey, quail, dove, and several species of non-game birds and small mammals.
5. GUIDE TO INITIAL STOCKING RATE:

<u>Condition Class</u>	<u>Climax Vegetation</u>	<u>AC/AU Yearlong</u>
Excellent	76-100	12-15
Good	51-75	16-19
Fair	26-50	20-23
Poor	0-25	24-30

RELATIVE FORAGE QUALITY OF SPECIES

a. Cattle

<u>Primary</u>	<u>Secondary</u>	<u>Low Value</u>
Little bluestem	Fringeleaf paspalum	Annual forbs & grasses
Indiangrass	Fall witchgrass	Threeawn
Sand lovegrass	Hooded windmill	Post oak and black-
Purpletop	Sideoats grama	jack oak
Plainslovegrass	Scribner's panicum	Red lovegrass
	Meadow dropseed	Gummy lovegrass
		Greenbrier

b. Sheep

<u>Primary</u>	<u>Secondary</u>	<u>Low Value</u>
Little bluestem	Indiangrass	Oak
Sideoats grama	Fall witchgrass	Mesquite
Sagewort	Sand lovegrass	Coneflower
Engelmann daisy	Purpletop	Threeawn
Plains lovegrass	Fringeleaf paspalum	Gummy lovegrass
Bush sunflower	Hooded windmill	
Milkpea		
Selected annuals		

c. Goats

<u>Primary</u>	<u>Secondary</u>	<u>Low Value</u>
Post oak	Little bluestem	Threeawn
Blackjack oak	Indiangrass	Mesquite
Sagewort	Sideoats grama	Coneflower
Snoutbean	Plains lovegrass	Fringeleaf paspalum
Sensitive briar	Sand lovegrass	Annuals
Greenbrier		
Hackberry		
Engelmann daisy		

d. Deer

<u>Primary</u>	<u>Secondary</u>	<u>Low Value</u>
Annual forbs	Post oak	Most grasses
Hackberry	Blackjack oak	Mesquite
Greenbrier	Engelmann daisy	Coneflower
Snoutbean		Annual grasses
Sensitive briar		
Sagewort		
Leavenworth vetch		
Western indigo		

e. Turkey

Primary

Grass leaves and seed
Annual grass seed
Forbs seed and leaves
Woody plant seed

Secondary

Coarse grass

Low Value

Woody foliage

f. Quail & Dove

Primary

Grass seed
Forbs seeds & leaves
Lovegrasses
Annual grass & weed seed

Secondary

Woody plant seed

Low Value

Most grasses
Oaks (acorns)