Soil	Approximate percentage of area in States of northern section		aphy and drainage	Native vegetation		Approximate (minimum) depth of water table in feet
Aberdeen 1	S. Dak., 0.77	Nearly level terraces; underdrainage restricted		Short and mixed grasses		15 to 100.
Barnes (fine-textured types)2	(N. Dak., 54.00 S. Dak., 54.50	Nearly level to strongly rolling well-drained upland.		Tall and mixed grasses		
Barnes (sandy types)2	N. Dak., 4.70	Undulating to strongly rolling well-drained		Tall grasses.		LANGE A OCCUPANT
Beadle 1	(S. Dak., 2.97 S. Dak., 4.00	upland.   Nearly level uplan	ds; underdrainage restricted.	Contraction of the second second second	ced grasses	
Bearden 1	N. Dak., 0.65 S. Dak., 8.94		lrained terraces	Tall, mixed, a	and short grasses	. 15 to 50.
Boyd 2	(N. Dak., (3)	Nearly level to hil	ly upland; surface drainage	Short grasses.		90.
Cass 1	(N. Dak., (3) S. Dak., 0.30 (N. Dak., 0.40		e, underdrainage slow. m lands; drainage variable	P	rees and shrubs	- SANCO CONTRACT
<sup>1</sup> Principal occurrence in So	18. Dak., 2.00	Nearly level botto	m lands, dramage variable	. I am grasses, t	rees and shruos	. 1 5 10 20.
Principal occurrence in No Not stated.		Dakota.				
Soil	Approximate percent- age of area in States of northern section	Physiography and drainage		Native vegetation		Approximate (minimum) depth of water table in feet
Dickinson 2	(N. Dak., 1.00 S. Dak., 0.30	Nearly level to roll good.	ing upland; underdrainage	Tall grasses		15 to 60.
Dunesand 3	IN. Dak., 0.30	Rolling to hilly up	land; underdrainage good	Tall grasses and yucca		20 to 60.
Edgelev 2	(N. Dak., (3)	to excessive. Nearly level to stro	ngly rolling upland; under-	Tall, mixed, and short grasses		90.
	(N Dok 400	drainage restricte	d. and river terraces; poor sur-	Alkali grasses and wheatgrasses; cat-		15 to 100.
	1S. Dak., 3.00	face and underdra	ainage.	tail and sedges. (Coarse marsh grasses, cattail, and		10000000000000000000000000000000000000
Gannett 2	N. Dak., 0.30 S. Dak., (1)	Poorly drained san		sedges.		0 to 15.
Holt 1	S. Dak., 0.50	Rolling to hilly; go upland.	ood to excessively drained	Tall, mixed, ar	nd short grasses	40 to 100.
Lamoure 2	N. Dak., 0.27 S. Dak., 1.02	Nearly level bottom lands; drainage variable		Tall grasses; trees and shrubs		5 to 20
Maple 2	(N Dok 0.50	}do		fAlkali grasses and wheatgrasses; cattail		5 to 40.
Moody 1	S. Dak., 0.40 S. Dak., 0.45	Nearly level to l	hilly; well to excessively	and sedges. Tall and mixed	l grasses	50 to 100.
O'Neill (upland phase) !	S. Dak., 0.28	drained upland.		e-mark -commute		20 to 100.
o Nem (upland phase)	The contract of the section of	Nearly level to rolling upland; good surface but excessive underdrainage. Nearly level terraces; good surface but poor		Tall and mixed grasses; cactus and yucca.		Control of the Contro
Orman (dark-colored phase) 2	1S. Dak., 0.10	Nearly level terra	ces; good surface but poor	Short and mixe	ed grasses	15 to 100.
Pierce 2	N. Dak., 1.00 S. Dak., 0.53	Strongly rolling to l	hilly upland; underdrainage	Sparse cover grasses; yucc	of mixed and short	50 to 100.
Rogers 2	(N. Dak., 0.80	(Glacial lake basins	s; poor surface and under-	Little or no ve	getation	0 to 50.
Rosebud (fine-textured_types) 1.	(S. Dak., 0.40	∫ drainage. Nearly level to !	hilly; well to excessively	Short grasses		50 to 100.
Rosebud (sandy types) 1	(3)	drained upland.	rongly rolling well-drained	Company Activities	ed grasses	50 to 100.
Rosebud (sandy types/		upland.		bhort and mix	or grassesizzizi	00 00 100.
Rough broken land 2	N. Dak., 8.00 S. Dak., 6.00	Hilly upland		Tall, mixed, and short grasses		30 to 100.
Sarpy 2	N. Dak., 0.03 S. Dak., 0.04	Nearly level botton	m lands; drainage variable	Tall grasses; tr	ees and shrubs	5 to 15.
Sioux 2	N. Dak., 3.00 S. Dak., 0.64		ndulating terraces; under-	Tall grasses		15 to 50.
Tripp 2	(N. Dak., 0.12	drainage excessiv	e. Irained terraces	Short grasses		30 to 100.
	S. Dak., 0.20 N. Dak., 3.78		ımmocky uplands; under-		ucca	
Valentine 2	S. Dak., 0.33 N. Dak., 16.22	f drainage good to	excessive.	THE RESERVE OF THE PERSON NAMED IN COLUMN 1	ed grasses	90.
Williams (fine-textured types) 2.	\S. Dak., 11.97	upland.				0.9.4-61
Williams (sandy types) 2	N. Dak., 0.93 S. Dak., 0.30	upland.		Activities and the property of the con-		50 to 100.
Williams (silty types—aeolian phase).	S. Dak., 0.02	Nearly level to a drained upland.	strongly undulating well-	Short and mix	ed grasses	50 to 100.
puasey.		aranea aprarar				
Soil	Upper portion of soil profile		Lower portion of soi	il profile	Parent material	General feasibility for trees
Aberdeen 1	Very dark grayish brown to black; friable to moderately compact, loamy to clayey, 7 to 14 inches thick.		Brown to black claypan un ble grayish-brown silty c 30 inches thick.	derlain by fria- day loam; 22 to	Silts and clays	Difficult to unsuited.
Barnes (fine-textured types) 2			Friable dark-brown to light silty clay loam, 18 to 30 in	grayish-brown nches thick.	Glacial drift	Fair to difficult.
Barnes (sandy types) 2	Very dark grayish brown to black; friable, coherent to moderately loose, sandy, 7		Friable dark brown to light very fine sandy loam to	grayish-brown; loamy sand, 20	do	Fair to good.
Beadle 1	to 14 inches thick. Very dark grayish brown to black; friable		to 30 inches thick.  Brown to black claypan underlain by friable light grayish-brown silty clay loam;		do	Difficult to unsuited.
	to moderately compact to 13 inches thick.	. 3	20 to 30 inches thick.		one a m	01
Bearden 2	loamy, 8 to 14 inches thick.		Friable dark-brown to grayish-brown silt to fine sandy loam; 18 to 30 inches thick.		Silt and silt-sand mix- tures.	Good.
Boyd 1	Very dark grayish brown to black; com-		Compact grayish yellow to grayish-blue clay, 6 to 15 inches thick.		Pierre shale	Difficult to unsuited.
Cass <sup>2</sup>	Very dark grayish brown to black; coher- ent to moderately loose, friable, loamy		Incoherent grayish-brown sand or sand and gravel mixtures, 8 to 14 inches thick.		Recent sands and gravels.	Good.
Diekinson 2	to sandy, 6 to 10 inches thick.		Brown to grayish-brown incoherent sand, noncalcareous, 16 to 30 inches thick.		Sands	Good.
The second of	to sandy 8 to 18 inch	es thick.	fewaren recessor VI on a		do	Fair.
Dunesand 2	Light grayish brown incoherent sand, 1/2 to 2 inches thick.		Yellowish loose sand		Conservation and the conservation of the conse	MATERIAL CONTRACTOR CO
Edgeley 1	32 to 2 inches thick. Very dark grayish brown; friable to moderately compact, loamy to clayey, 5 to 12 inches thick.		Compact grayish-yellow to grayish-blue clay or gravelly clay, 12 to 18 inches		Shale or reworked shale and drift.	Difficult to unsuited.
Power 1	5 to 12 inches thick.  Black; friable to moderately compact,		thick. Grayish-brown to black; compact clay to		Silts and clays	Unsuited.
	loamy to clayey, 6 to 14 inches thick.		silty clay loam, 18 to 24 inches thick. Light grayish-brown; incoherent sand with		Sands	Good for a few species
Gannett 2	Very dark grayish brow coherent, loamy to sa	n to black; friable, andy, 8 to 20 inches	thin clay layers in places;		сацио	only.
Holt 1	thick.	n to black; friable,	thick. Brown to light grayish l	brown; friable;	Tertiary sandstone	Fair to good.
	Very dark gravien brow		loam to fine sandy loam, 10 to 20 inches			
	coherent to moderate	ely loose, loamy to		Dark grayish brown to gray; moderately compact clay to silty clay loam, 12 to 30 inches thick.		
Lamoure 2	coherent to moderate sandy, 8 to 14 inches Very dark grayish brov to moderately con clayey, locally alkali	thick. vn to black; friable apact, loamy to	thick.  Dark grayish brown to gray  compact clay to silty clay	ay; moderately y loam, 12 to 30	Recent silts and clays.	Good.
	coherent to moderate sandy, 8 to 14 inches Very dark grayish brow to moderately con clayey, locally alkali thick.	thick. vn to black; friable npact, loamy to ne; 8 to 18 inches	thick. Dark grayish brown to grayish brown to silty clay inches thick.  Grayish brown to light g	y loam, 12 to 30 grayish yellow;	Recent silts and clays.	Good. Unsuited.
Maple :	coherent to moderate sandy, 8 to 14 inches Very dark grayish brov to moderately con clayey, locally alkali thick. Very dark grayish brov erately compact. 1	thick, vn to black; friable npact, loamy to ne; 8 to 18 inches vn; friable to mod- oamy to clayey,	thick. Dark grayish brown to grayinches thick. Grayish brown to light g clay or sand and clay mately compact, 10 to 18 in	grayish yellow; nixture, moder- nches thick.	do	Unsuited.
	coherent to moderate sandy, 8 to 14 inches Very dark grayish brov to moderately con clayey, locally alkali thick. Very dark grayish brov erately compact, l usually alkaline; 8 to Very dark grayish brow	thick.  vn to black; friable  ppact, loamy to  ne; 8 to 18 inches  vn; friable to mod-  oamy to clayey,  16 inches thick.  n; friable, coherent,	thick. Dark grayish brown to greenpact clay to silty clay inches thick. Grayish brown to light gelay or sand and clay mately compact, 10 to 18 in Brown to light grayish yel	y loam, 12 to 30 grayish yellow; nixture, moder- nches thick. low; friable silt		Survey (March 2)
Maple :	coherent to moderate sandy, 8 to 14 inches Very dark grayish brov to moderately con clayey, locally alkali thick. Very dark grayish brov erately compact, I usually alkaline; 6 to Very dark grayish brow loamy, 7 to 16 inches Very dark grayish brow	thick. vn to black; friable apact, loamy to ne; 8 to 18 inches vn; friable to mod- oamy to clayey, 16 inches thick. n; friable, coherent, thick. n; friable, coherent	thick.  Dark grayish brown to greempact clay to silty clay inches thick.  Grayish brown to light gelay or sand and clay mately compact, 10 to 18 in Brown to light grayish yel loam, 14 to 36 inches thic Brown to grayish brown; i	grayish yellow; nixture, moder- niches thick. low; friable silt checkerent mix-	do	Unsuited.
Maple 1	coherent to moderate sandy, 8 to 14 inches Very dark grayish brov to moderately con clayey, locally alkali thick. Very dark grayish brov erately compact, 1 usually alkaline; 6 to Very dark grayish brow loamy, 7 to 16 inches	thick. vn to black; friable apact, loamy to ne; 8 to 18 inches vn; friable to mod- oamy to clayey, 16 inches thick. n; friable, coherent, thick. n; friable, coherent	thick. Dark grayish brown to grayish brown to grayish brown to light galay or sand and clay mately compact, 10 to 18 in Brown to light grayish yel loam. 14 to 36 inches thick	grayish yellow; nixture, moder- niches thick. low; friable silt checkerent mix-	Gray loess (Peorian?)	Unsuited.
Maple 1	coherent to moderate sandy, 8 to 14 inches Very dark grayish brov to moderately con clayey, locally alkali thick. Very dark grayish brov erately compact, lusually alkaline; 6 to Very dark grayish brow loamy, 7 to 16 inches Very dark grayish brow to moderately loose, 1 to 10 inches thick.	thick. wn to black; friable apact, loamy to ne; 8 to 18 inches wn; friable to mod- oamy to clayey, 16 inches thick. m; friable, coherent, thick. m; friable, coherent oamy to gravelly, 6	thick. Dark grayish brown to green compact clay to silty clay inches thick.  Grayish brown to light gelay or sand and clay mately compact, 10 to 18 in Brown to light grayish yelloam, 14 to 36 inches the Brown to grayish brown; it ture of sand and grayel;	grayish yellow; nixture, moder- niches thick. low; friable silt checkerent mix-	Gray loess (Peorian?)	Unsuited.
Maple 1  Moody 1  O'Neill (upland phase) 1  1 Principal occurrence in So 3 Principal occurrence in No	coherent to moderate sandy, 8 to 14 inches Very dark grayish brov to moderately con clayey, locally alkali thick. Very dark grayish brov erately compact, lusually alkaline; 6 to Very dark grayish brow loamy, 7 to 16 inches Very dark grayish brow to moderately loose, 1 to 10 inches thick.	thick. wn to black; friable apact, loamy to ne; 8 to 18 inches wn; friable to mod- oamy to clayey, 16 inches thick. n; friable, coherent, thick. n; friable, coherent oamy to gravelly, 6 akota.	thick. Dark grayish brown to green compact clay to silty clay inches thick.  Grayish brown to light gelay or sand and clay mately compact, 10 to 18 in Brown to light grayish yelloam, 14 to 36 inches the Brown to grayish brown; it ture of sand and grayel;	grayish yellow; nixture, moder- nehes thick. low; friable silt k. ncoherent mix- noncalcareous,	Gray loess (Peorian?)	Unsuited.

Very dark grayish brown; compact, clayey, 8 to 14 inches thick.

Dark grayish brown; friable to moderately loose, loamy to gravelly, 2 to 12 inches thick.

Grayish brown; friable to moderately compact, loamy to clayey, alkaline; 7 to 12 inches thick.

Dark grayish brown; friable, coherent, loamy, 8 to 14 inches thick. Compact grayish-yellow to grayish-blue clay, 8 to 24 inches thick.

Brown to grayish brown; incoherent mixture of sand and gravel, 8 to 12 inches thick.

Gray to light grayish yellow; clay to silty clay; compact, 12 to 18 inches thick. Orman(dark-colored phase) 2... Clays and shales ..... Fair to good. Pierce 2 Unsuited. Coarse sands and grav Rogers 1 Do. Light brown to light grayish brown; silt loam to very fine sandy loam, 12 to 30 inches thick. Light grayish brown; friable; fine sandy loam to loamy fine sand, 12 to 30 inches thick. Rosebud (fine-textured types )1. Difficult. Tertiary sandstone... Dark grayish brown; friable, coherent to moderately loose, sandy, 10 to 16 inches thick. Rosebud (sandy types) 1 Variable Recent sands and gravels.
Coarse sands and gravels. thick.
(2)
Grayish brown; friable, usually incoherent and sandy, ½ to 8 inches thick.
Very dark grayish brown to black; friable, coherent to moderately loose, loamy to sandy, 10 to 14 inches thick.
Dark grayish brown; friable, coherent, loamy, 8 to 14 inches thick. (3)
Light gray: incoherent sand or sand and gravel mixture, 6 to 12 inches thick.
Grayish brown: incoherent sand or sand and gravel mixture, 10 to 24 inches thick. Variable. Sioux 2\_. Fair to good. Light grayish brown; friable; silt loam very fine sandy loam, 18 to 30 inch Do. Light grayish brown; friable; silt loam to very fine sandy loam, 18 to 30 inches thick.
Light grayish-brown incoherent sand, 12 to 20 inches thick.
Light brown to light grayish brown friable silty clay loam, 10 to 16 inches thick.
Light brown to light grayish brown; friable; very fine sandy loam to loamy sand, 14 to 18 inches thick.
Very light grayish-brown friable silt loam, 18 to 24 inches thick. Grayish brown; loamy to sandy, usually incoherent, 2 to 7 inches thick.

Dark grayish brown; friable, coherent, loamy, 4 to 10 inches thick.

Dark grayish brown; friable, coherent to moderately loose, sandy, 5 to 10 inches thick.

Dark grayish brown; friable, coherent, loamy, 8 to 14 inches thick. Valentine 2 Do. Williams (fine-textured types) 2 Glacial drift..... Difficult. Williams (sandy types) \*..... Fair to good. Williams (silty types—acolian phase)1 Dark grayish brown; friable, coherent, loamy, 8 to 14 inches thick. Principal occurrence in South Dakota.
 Principal occurrence in North Dakota and South Dakota.
 Not stated.