

Table 2.--Materials test data, Franklin County, Nebr.

[Symbols: veg. vegetation; Tr, trace; NP, nonplastic; *, assumed]

Location			Thickness (feet)	Overburden	Material exposed	Identification	Mechanical analysis																				Composition by hydrometer analysis of material passing No. 10 screen (millimeters)				Tests on material passing No. 40 screen (percent)					
							Sieve analysis (cumulative percentage retained)										Hydrometer analysis (percent passing in millimeters)										Sand over 0.05	Silt 0.005- 0.05	Clay less than 0.005	Colloids less than 0.005	Compa- tion	Liquid limit	Plastic limit	Plastic index	True specific gravity ²	Bulk density (grams per centimeter
Section	Tom- ship N.	Range W.	1 in.	3/4 in.	3/8 in.	No. 4	No. 8	No. 10	No. 20	No. 30	No. 40	No. 50	No. 60	No. 80	No. 100	No. 200	0.05	0.037	0.019	0.009	0.005	0.0036	0.001													
HUMIC SILT IN UNGRAINED DEPRESSION																																				
SWASW 14	4	16			7	L-20	5.4	19.1	12.7	9.52	4.76	2.38	1.00	0.84	0.590	0.420	0.279	0.250	0.177	0.149	0.074	14	25	43	54	58	61	72								
FLOOD-PLAIN ALLUVIUM (Qal)																																				
SEASW 11	1	13	veg	7.0	72	S-502456										0		5	10	26																
SWASW 8	1	15	veg	10.0-15.0	75	S-502472										0		1	2	11																
SEASW 9	1	16	veg	10.0-25.0	77	S-502469													77	81	88															
DUNE SAND (Qd ₂)																																				
SWASW 1	4	15	1.0	1.0-15.0	3	MA-44252										5	7		89	98																
NWASW 18	4	14	1.0	1.0-7.0	4	MA-44251										13	33		86	96																
NWASW 30	4	14	1.0	1.0-10.0	9	MA-4172										1	7		70	93																
SEASW 21	3	14	0-1.0	0-12.0	18	MA-44250										6	22		89	93																
DUNE SAND (Qd ₁)																																				
NWASW 6	4	14	6.0	6.0-15	1	MA-44254										4			62	94																
SEASW 13	4	15	6.0	6.0-10.0	5	MA-44253										4	15		69	85																
SWASW 13	4	15			6	L-1358										Tr	Tr	2	9																	
NEASW 26	4	15	.5-2.0	10.0-15.0	11	S-502462										0	1	3	14																	
NWASW 1	3	15	.5		12	MA-44279										5	17		73	95																
NEASW 36	3	15	3.0	3.0-10.0	35	MA-44215										5	5		69	89																
TERRACE DEPOSIT (Qc)																																				
SEASW 23	4	13	veg	20.0	8	S-502463													0	1	6															
SEASW 18	2	15	veg	.5-12.5	42	MA-47182										1	18	42		86	95															
SEASW 20	2	14	1.0	1.0-9.0	43	MA-1358										2	17	32		75	93															
NEASW 24	2	16	veg	1.0-7.0	47	MA-1359										1	8	21		62	82															
SWASW 35	2	13	.5-1.0	.5-4.0	58	MA-1384										1	2	9	17		68	84														
NEASW 1	1	15	veg	6.0	69	S-502476																														
NWASW 2	1	16	veg	9.0	70	S-502467										0	1	3		9	12															
NWASW 10	1	15	veg	6.0	74	S-502473										0	1	7		2	3															
NWASW 22	1	14	veg	4.0-10.0	84	S-502474										0	1	1	2		3	3														
BIGWELL AND PROBARIAN LOESSES (Qbp)																																				
SEASW 1	4	15	1.0	1.0-5.0	2	S-44428																														
NEASW 25	4	15	1.0	1.0-7.0	10	MF-44114																														
SEASW 12	3	15	.5	.5-3.5	13	S-44427																														
SEASW 15	3	14			14	L-7										Tr	10	15	19	29	42	50	75	91	96	98	99									
NEASW 21	3	15	.5	.5-3.5	15	S-41344										2			8	14																
NEASW 21	3	14			17	L-8																														
NEASW 20	3	14			19	L-11										16		28	35	40	52	59	62	79	89	89	90	92								
NWASW 20	3	14			21	L-9										11		24	33	38	52	60	65	83	94	98	98	99								
SWASW 22	3	15			23	L-1										Tr	4	9	21	21	29	61	80	91	93	99										
NWASW 28	3	15			26	L-12										2		18	29	33	45	54	59	77	87	93	95	98								
NWASW 28	3	15			28	L-13										2		19	45	64	93	94	98	99												
SEASW 30	3	15			30	L-2										1	4	8	19	27	36	64	77	87	91	96										
NWASW 33	3	13	1.0-2.0	8.0-10.0	32	S-502461																														
SWASW 4	2	13	5.0-7.0	6.0	36	S-502464										0	1	3	10		27	36	50													
NEASW 13	2	15	.3	.3-2.3	41	S-41341										1					2	3														
NEASW 24	2	15	.3	.3-2.3	45	S-41343																														
NWASW 30	2	14			52	L-373															15	24	50	69	76	80	90									
SWASW 25	2	15	3.5	3.5-12.5	53	MF-47152										1																				
SEASW 28	2	15	2.5	2.5-15.5	54	MF-47149																														
SEASW 30	2	15	2.0		55	MF-47146																														
SWASW 33	2	13			59	S-2167															1															
SWASW 31	2	13	.5	.5-4.0	60	S-2491															2	5														
SWASW 31	2	13			61	S-2492															2	3														
SWASW 36	2	14	.5	.5-3.5	61	S-2490															1	2														
SEASW 35	2	14	.5	.5-4.0	62	S-2488															1	3														
SWASW 35	2	14	1.0	1.0-10.0	63	S-2180															4															
SEASW 34	2	14	1.0-3.0	2.0-7.0	64	MF-4442															3															
SEASW 33	2	14	.3	.3-20.0	65	S-2185																														
SWASW 32	2	14			66	S-2186															1	2														
NEASW 1	1	13	.5	.5-4.0	68	S-2497																														
NEASW 11	1	13	5.0	15.0-30.0	71	S-502457																														
SEASW 12	1	15	.5	.5-10.0	73	MF-4139															0															
SEASW 15	1	16	2.0-3.0	12.0	80	S-502471															1	1	3													
SEASW 15	1	16	2.0-3.0	12.0	80	L-382																														
LOVELAND LOESS (Ql)																																				
NEASW 21	3	14			16	L-18										6		33	54	63	77	81	84	91	94	94	95									
NEASW 20	3	14			20	L-6										1		22	36	61	73	87	90	92	96	97	97	98	99							
NWASW 20	3	14			22	L-10										10		33	51	61	75	79	82	88	92	95	96	98								
SWASW 22	3	15			24	L-3										1		11	26	49	64	90	94	96	98	99	99	99								
NWASW 2																																				