(Absence of an entry indicates that the data were not estimated.)

Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
		In				Pct	Pct					Pct	
41:													
Sparta----------	100	0-16	Loamy fine sand	SM	A-4, A-2	0	0	85-100	85-100	50-95	15-50	0-14	NP
		16-58	Loamy fine sand, fine sand, sand	SM	A-3, A-2, A-4	0	0	85-100	85-100	50-95	5-50	0-14	NP
		58-60	Sand, fine sand	SP-SM, SM	A-2, A-3	0	0	85-100	85-100	50-95	2-30	0-14	NP
41B:													
Sparta----------	100	0-16	Loamy fine sand	SM	A-2, A-4	0	0	85-100	85-100	50-95	15-50	0-14	NP
		16-58	Loamy fine sand, fine sand, sand	SM	A-2, A-4, A-3	0	0	85-100	85-100	50-95	5-50	0-14	NP
		58-60	Sand, fine sand	SM, SP-SM	A-3, A-2	0	0	85-100	85-100	50-95	2-30	0-14	NP
51:													
Vesser----------	95	0-13	Silt loam	CL	A-6	0	0	100	100	98-100	95-100	30-40	10-20
		13-25	Silt loam	CL	A-6	0	0	100	100	98-100	95-100	30-40	10-20
		25-60	Silty clay loam	CL	A-7	0	0	100	100	98-100	95-100	40-50	15-25
54:													
Zook----------	100	0-18	Silty clay loam	CH, CL	A-7	0	0	100	100	95-100	95-100	45-65	20-35
		18-40	Silty clay, silty clay loam	CH	A-7	0	0	100	100	95-100	95-100	60-85	35-55
		40-60	Silty clay loam, silty clay, silt loam	CH, ML, CL, MH	A-6, A-7	0	0	100	100	95-100	95-100	35-80	10-50
56B:													
Cantril---------	90	0-24	Loam	CL	A-6	0	0	100	100	85-95	65-75	30-40	11-20
		24-60	Clay loam	CL	A-7, A-6	0	0	100	100	90-100	70-88	35-45	15-25

(Absence of an entry indicates that the data were not estimated.)

Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
		In				Pct	Pct					Pct	
58E:													
Douds----------	100	0-8	Loam	CL	A-6	0	0	95-100	85-100	70-90	60-80	25-35	10-20
		8-32	Clay loam, loam, sandy clay loam	SC, CL	A-7, A-6	0	0	90-100	85-100	70-80	35-60	30-45	15-25
		32-60	Stratified loamy sand to clay loam	SC, CL, SC-SM, CL-ML	A-4, A-2, A-6	0	0	90-100	85-100	65-85	20-60	15-35	5-15
65D2:													
Lindley---------	95	0-11	Loam	CL	A-6	0	0	95-100	90-100	85-95	50-65	25-35	10-15
		11-60	Clay loam, loam	CL	A-7, A-6	0	0	95-100	90-100	85-95	55-75	30-45	12-20
65E:													
Lindley---------	95	0-11	Loam	CL	A-6	0	0	95-100	90-100	85-95	50-65	25-35	10-15
		11-60	Clay loam, loam	CL	A-7, A-6	0	0	95-100	90-100	85-95	55-75	30-45	12-20
65E2:													
Lindley---------	95	0-11	Loam	CL	A-6	0	0	95-100	90-100	85-95	50-65	25-35	10-15
		11-60	Clay loam, loam	CL	A-7, A-6	0	0	95-100	90-100	85-95	55-75	30-45	12-20
65F:													
Lindley---------	95	0-11	Loam	CL	A-6	0	0	95-100	90-100	85-95	50-65	25-35	10-15
		11-66	Clay loam, loam	CL	A-7, A-6	0	0	95-100	90-100	85-95	55-75	30-45	12-20
65G:													
Lindley---------	95	0-11	Loam	CL	A-6	0	0	95-100	90-100	85-95	50-65	25-35	10-15
		11-60	Clay loam, loam	CL	A-7, A-6	0	0	95-100	90-100	85-95	55-75	30-45	12-20
74:													
Rubio----------	95	0-8	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	100	95-100	25-40	5-15
		8-18	Silt loam	ML, CL-ML, CL	A-4	0	0	100	100	100	95-100	25-35	5-10
		18-45	Silty clay, silty clay loam	CH	A-7	0	0	100	100	100	95-100	55-70	30-40
		45-60	Silty clay loam	CH, CL	A-7	0	0	100	100	100	95-100	45-55	20-30

(Absence of an entry indicates that the data were not estimated.)

Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
		In				Pct	Pct					Pct	
75:													
Givin----------	95	0-12	Silt loam	CL, ML	A-4, A-6	0	0	100	100	100	95-100	30-40	5-15
		12-42	Silty clay loam, silty clay	CH, CL	A-7	0	0	100	100	100	95-100	45-60	25-35
		42-60	Silty clay loam	CL	A-7, A-6	0	0	100	100	100	95-100	35-50	20-30
76B:													
Ladoga----------	95	0-11	Silt loam	CL-ML, CL	A-4, A-6	0	0	100	100	100	95-100	25-40	5-15
		11-39	Silty clay loam, silty clay	CH, CL	A-7	0	0	100	100	100	95-100	40-55	25-35
		39-60	Silty clay loam, silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	15-20
76C:													
Ladoga----------	100	0-11	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	100	100	95-100	25-40	5-15
		11-39	Silty clay loam, silty clay	CL, CH	A-7	0	0	100	100	100	95-100	40-55	25-35
		39-60	Silty clay loam, silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	15-20
76C2:													
Ladoga----------	100	0-11	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	100	100	95-100	25-40	5-15
		11-39	Silty clay loam, silty clay	CL, CH	A-7	0	0	100	100	100	95-100	40-55	25-35
		39-60	Silty clay loam, silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	15-20

(Absence of an entry indicates that the data were not estimated.)

Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
				Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
		In				Pct	Pct					Pct	
80B:													
Clinton---------	95	0-12	Silt loam	ML	A-4	0	0	100	100	100	95-100	30-40	5-10
		12-39	Silty clay loam, silty clay	CH, CL	A-7	0	0	100	100	100	95-100	40-55	25-35
		39-60	Silty clay loam, silt loam	CL	A-7, A-6	0	0	100	100	100	95-100	35-45	15-25
80C:													
Clinton---------	95	0-12	Silt loam	ML	A-4	0	0	100	100	100	95-100	30-40	5-10
		12-39	Silty clay loam, silty clay	CH, CL	A-7	0	0	100	100	100	95-100	40-55	25-35
		39-60	Silty clay loam, silt loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
80C2:													
Clinton---------	100	0-12	Silt loam	ML	A-4	0	0	100	100	100	95-100	30-40	5-10
		12-39	Silty clay loam, silty clay	CH, CL	A-7	0	0	100	100	100	95-100	40-55	25-35
		39-60	Silty clay loam, silt loam	CL	A-7, A-6	0	0	100	100	100	95-100	35-45	15-25
80D:													
Clinton---------	95	0-12	Silt loam	ML	A-4	0	0	100	100	100	95-100	30-40	5-10
		12-39	Silty clay loam, silty clay	CL, CH	A-7	0	0	100	100	100	95-100	40-55	25-35
		39-60	Silty clay loam, silt loam	CL	A-7, A-6	0	0	100	100	100	95-100	35-45	15-25

(Absence of an entry indicates that the data were not estimated.)

Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
		In				Pct	Pct					Pct	
80D2:													
Clinton---------	95	0-12	Silt loam	ML	A-4	0	0	100	100	100	95-100	30-40	5-10
		12-39	Silty clay loam, silty clay	CL, CH	A-7	0	0	100	100	100	95-100	40-55	25-35
		39-60	Silty clay loam, silt loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
122:													
Sperry----------	95	0-10	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
		10-14	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
		14-49	Silty clay loam, silty clay	CH	A-7	0	0	100	100	100	95-100	50-65	25-35
		49-60	Silty clay loam, silt loam	CL	A-7	0	0	100	100	100	95-100	40-50	20-30
130:													
Belinda---------	95	0-8	Silt loam	CL, ML	A-6, A-4	0	0	100	100	100	95-100	30-40	5-15
		8-18	Silt loam	ML, CL, CL-ML	A-4	0	0	100	100	100	95-100	25-35	5-10
		18-31	Silty clay, silty clay loam	CL, CH	A-7	0	0	100	100	100	95-100	40-55	20-30
		31-60	Silty clay loam	CH	A-7	0	0	100	100	100	95-100	50-65	25-35
131B:													
Pershing--------	95	0-9	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
		9-37	Silty clay loam	CH, CL	A-7	0	0	100	100	100	95-100	40-55	15-30
		37-60	Silty clay loam, silty clay	CH, CL	A-7	0	0	100	100	100	95-100	40-65	20-40

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Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
		In				Pct	Pct					Pct	
131C2:													
Pershing--------	95	0-9	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
		9-37	Silty clay loam	CH, CL	A-7	0	0	100	100	100	95-100	40-55	15-30
		37-60	Silty clay loam, silty clay	CH, CL	A-7	0	0	100	100	100	95-100	40-65	20-40
132B:													
Weller----------	95	0-9	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	100	95-100	25-40	5-15
		9-39	Silty clay loam, silty clay	CH, CL	A-7	0	0	100	100	100	95-100	45-65	30-40
		39-60	Silty clay loam, silt loam	CH, CL	A-7, A-6	0	0	100	100	100	95-100	30-55	10-30
132C:													
Weller----------	90	0-9	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	100	95-100	25-40	5-15
		9-39	Silty clay loam, silty clay	CL, CH	A-7	0	0	100	100	100	95-100	45-65	30-40
		39-60	Silty clay loam, silt loam	CL, CH	A-7, A-6	0	0	100	100	100	95-100	30-55	10-30
132C2:													
Weller----------	90	0-9	Silt loam	CL-ML, CL	A-6, A-4	0	0	100	100	100	95-100	25-40	5-15
		9-39	Silty clay loam, silty clay	CL, CH	A-7	0	0	100	100	100	95-100	45-65	30-40
		39-60	Silty clay loam, silt loam	CH, CL	A-6, A-7	0	0	100	100	100	95-100	30-55	10-30

(Absence of an entry indicates that the data were not estimated.)

Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
		In				Pct	Pct					Pct	
133:													
Colo----------	100	0-10	Silty clay loam	CH, CL	A-7	0	0	100	100	90-100	90-100	40-60	15-30
		10-47	Silty clay loam	CH, CL	A-7	0	0	100	100	90-100	90-100	40-55	20-30
		47-60	Silty clay loam, clay loam, silt loam	CH, CL	A-7	0	0	100	100	95-100	80-100	40-55	15-30
133B:													
Colo----------	100	0-10	Silty clay loam	CH, CL	A-7	0	0	100	100	90-100	90-100	40-60	15-30
		10-47	Silty clay loam	CH, CL	A-7	0	0	100	100	90-100	90-100	40-55	20-30
		47-60	Silty clay loam, clay loam, silt loam	CH, CL	A-7	0	0	100	100	95-100	80-100	40-55	15-30
135:													
Coland----------	100	0-35	Clay loam	CL	A-6, A-7	0	0	100	100	95-100	65-80	35-50	15-25
		35-60	Clay loam, silty clay loam	CL	A-6, A-7	0	0	100	100	95-100	65-80	35-50	15-25
		60-64	Loam, sandy loam, sandy clay loam	SC-SM, SC, CL, CL-ML	A-4, A-6	0	0	100	90-100	60-70	40-60	20-40	5-15
158:													
Dorchester------	95	0-60	Silt loam	CL, ML, CL-ML	A-4	0	0	95-100	95-100	80-100	70-95	25-35	5-10
163B:													
Fayette---------	95	0-14	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	100	95-100	25-35	5-15
		14-47	Silty clay loam, silt loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
		47-60	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20

(Absence of an entry indicates that the data were not estimated.)

Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
				Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
		In				Pct	Pct					Pct	
163C:													
Fayette---------	95	0-14	Silt loam	CL-ML, CL	A-4, A-6	0	0	100	100	100	95-100	25-35	5-15
		14-47	Silty clay loam, silt loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
		47-60	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
163C2:													
Fayette---------	100	0-14	Silt loam	CL	A-7, A-6	0	0	100	100	100	95-100	30-45	10-25
		14-47	Silty clay loam, silt loam	CL	A-7, A-6	0	0	100	100	100	95-100	35-45	15-25
		47-60	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
163D:													
Fayette---------	100	0-14	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	100	95-100	25-35	5-15
		14-47	Silty clay loam, silt loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
		47-60	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
172:													
Wabash----------	100	0-7	Silty clay	CH	A-7	0	0	100	100	100	95-100	50-75	30-50
		7-60	Silty clay, clay	CH	A-7	0	0	100	100	100	95-100	52-78	30-55
173:													
Hoopeston-------	90	0-25	Sandy loam	SC, SM, SC-SM	A-4, A-2	0	0	90-100	90-100	70-90	25-45	15-25	NP-10
		25-40	Sandy loam, fine sandy loam	SC-SM, SC, SM	A-4, A-2	0	0	90-100	90-100	60-85	25-50	15-30	NP-10
		40-60	Loamy sand, sand, fine sand	SM, SC-SM, SC, SP-SM	A-3, A-2	0	0	90-100	90-100	50-80	5-20	15-25	NP-10

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Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
		In				Pct	Pct					Pct	
174:													
Bolan----------	100	0-22	Loam	CL, ML	A-4, A-6	0	0	100	100	85-95	50-70	30-40	5-15
		22-27	Loam, fine sandy loam	SC-SM, SC, CL, CL-ML	A-4, A-6	0	0	100	100	80-90	40-55	25-35	5-15
		27-36	Fine sandy loam	SM, SC-SM, SC	A-4	0	0	100	100	80-90	35-50	15-25	2-8
		36-60	Loamy fine sand, fine sand	SM, SP-SM	A-2	0	0	100	100	70-85	10-30	0-14	NP
174B:													
Bolan----------	100	0-22	Loam	CL, ML	A-4, A-6	0	0	100	100	85-95	50-70	30-40	5-15
		22-27	Loam, fine sandy loam	SC-SM, CL-ML, SC, CL	A-4, A-6	0	0	100	100	80-90	40-55	25-35	5-15
		27-36	Fine sandy loam	SC-SM, SC, SM	A-4	0	0	100	100	80-90	35-50	15-25	2-8
		36-60	Loamy fine sand, fine sand	SM	A-2	0	0	100	100	70-85	10-30	0-14	NP
175:													
Dickinson-------	100	0-16	Fine sandy loam	SC, SM, SC-SM	A-2, A-4	0	0	100	100	85-95	30-50	15-30	NP-10
		16-33	Fine sandy loam, sandy loam	SC-SM, SC, SM	A-2, A-4	0	0	100	100	85-95	30-50	15-30	NP-10
		33-47	Fine sandy loam, sandy loam	SM, SC-SM, SC	A-4	0	0	100	100	85-95	35-50	15-30	NP-10
		47-60	Sand, loamy fine sand, loamy sand	SM	A-3, A-2	0	0	100	100	70-90	5-20	0-14	NP

(Absence of an entry indicates that the data were not estimated.)

Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
		In				Pct	Pct					Pct	
175B:													
Dickinson-------	100	0-16	Fine sandy loam	SC-SM, SM, SC	A-4, A-2	0	0	100	100	85-95	30-50	15-30	NP-10
		16-33	Fine sandy loam, sandy loam	SM, SC-SM, SC	A-4, A-2	0	0	100	100	85-95	30-50	15-30	NP-10
		33-47	Fine sandy loam, sandy loam	SM, SC-SM, SC	A-4	0	0	100	100	85-95	35-50	15-30	NP-10
		47-60	Sand, loamy fine sand, loamy sand	SM	A-3, A-2	0	0	100	100	70-90	5-20	0-14	NP
179D2:													
Gara----------	95	0-18	Clay loam, loam	CL	A-6, A-7	0	0	90-95	85-95	70-85	55-75	35-45	15-25
		18-47	Clay loam, loam	CL	A-6	0	0-5	90-95	85-95	70-85	55-75	30-40	15-25
		47-60	Clay loam, loam	CL	A-6	0	0-5	90-95	85-95	70-85	55-75	30-40	15-25
179E:													
Gara----------	95	0-18	Loam	CL-ML, CL	A-6, A-4	0	0	95-100	85-95	75-85	55-70	20-30	5-15
		18-47	Clay loam, loam	CL	A-6	0	0-5	90-95	85-95	70-85	55-75	30-40	15-25
		47-60	Loam, clay loam	CL	A-6, A-7	0	0-5	90-95	85-95	70-85	55-75	35-45	15-25
179E2:													
Gara----------	95	0-18	Clay loam, loam	CL	A-7, A-6	0	0	90-95	85-95	70-85	55-75	35-45	15-25
		18-47	Clay loam, loam	CL	A-6	0	0-5	90-95	85-95	70-85	55-75	30-40	15-25
		47-60	Clay loam, loam	CL	A-6	0	0-5	90-95	85-95	70-85	55-75	30-40	15-25
180:													
Keomah----------	95	0-18	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	100	95-100	25-35	5-15
		18-40	Silty clay, silty clay loam	CL, CH	A-7	0	0	100	100	100	95-100	45-60	30-45
		40-60	Silty clay loam, silt loam	CL	A-7, A-6	0	0	100	100	100	95-100	35-50	15-30

(Absence of an entry indicates that the data were not estimated.)

Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
		In				Pct	Pct					Pct	
208:													
Klum----------	90	0-8	Fine sandy loam	SC-SM, CL-ML	A-4	0	0	100	95-100	70-90	40-55	20-35	3-10
		8-60	Stratified sandy loam to silt loam	SC-SM, SP-SM, CL-ML	A-2, A-4	0	0	100	95-100	70-95	10-70	15-30	NP-10
220:													
Nodaway---------	90	0-6	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	95-100	95-100	90-100	25-35	5-15
		6-60	Silt loam, silty clay loam	CL, CL-ML	A-6, A-4	0	0	100	95-100	95-100	90-100	25-40	5-15
222C:													
Clarinda--------	95	0-18	Silty clay loam	CL	A-7	0	0	100	95-100	90-100	85-100	40-50	20-30
		18-44	Silty clay, clay	CH	A-7	0	0	100	95-100	85-100	80-100	55-70	30-40
		44-60	Clay, silty clay	CH	A-7	0	0	95-100	95-100	80-95	75-90	55-70	35-45
223C2:													
Rinda----------	95	0-13	Silt loam	CL	A-6	0	0	100	95-100	90-100	85-100	30-40	10-20
		13-18	Silty clay loam	CL, CH	A-7	0	0	100	95-100	90-100	85-100	45-55	20-30
		18-60	Clay, silty clay	CH	A-7	0	0	95-100	95-100	80-95	75-90	55-70	35-45
223D2:													
Rinda----------	95	0-13	Silt loam	CL	A-6	0	0	100	95-100	90-100	85-100	30-40	10-20
		13-18	Silty clay loam	CL, CH	A-7	0	0	100	95-100	90-100	85-100	45-55	20-30
		18-60	Clay, silty clay	CH	A-7	0	0	95-100	95-100	80-95	75-90	55-70	35-45
263:													
Okaw----------	95	0-15	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	100	95-100	90-100	25-40	5-15
		15-47	Silty clay, clay, silty clay loam	CH	A-7	0	0	100	95-100	95-100	85-100	50-70	30-50
		47-60	Silty clay loam, silty clay, clay	CH, CL	A-7	0	0	100	100	95-100	80-100	45-65	20-40

(Absence of an entry indicates that the data were not estimated.)

Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
				Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
		In				Pct	Pct					Pct	
263B:													
Okaw----------	95	0-15	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	100	95-100	90-100	25-40	5-15
		15-47	Silty clay, clay, silty clay loam	CH	A-7	0	0	100	95-100	95-100	85-100	50-70	30-50
		47-60	Silty clay loam, silty clay, clay	CH, CL	A-7	0	0	100	100	95-100	80-100	45-65	20-40
279:													
Taintor---------	90	0-19	Silty clay loam	CH, CL	A-7	0	0	100	100	100	95-100	45-60	20-30
		19-45	Silty clay loam	CH, CL	A-7	0	0	100	100	100	95-100	45-60	20-30
		45-60	Silty clay, silty clay loam	CH	A-7	0	0	100	100	100	95-100	50-65	25-35
280:													
Mahaska---------	90	0-22	Silty clay loam	CL	A-7, A-6	0	0	100	100	100	95-100	35-50	15-25
		22-52	Silty clay loam, silty clay	MH, CH	A-7	0	0	100	100	100	95-100	50-60	20-30
		52-60	Silty clay loam, silt loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-20
281B:													
Otley----------	100	0-14	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	15-25
		14-36	Silty clay loam, silty clay	CH, CL	A-7	0	0	100	100	100	95-100	40-55	25-35
		36-60	Silty clay loam, silt loam	CL	A-7, A-6	0	0	100	100	100	95-100	35-45	20-30

(Absence of an entry indicates that the data were not estimated.)

Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
		In				Pct	Pct					Pct	
281C2:													
Otley----------	95	0-7	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	15-25
		7-14	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	15-25
		14-36	Silty clay loam, silty clay	CH, CL	A-7	0	0	100	100	100	95-100	40-55	25-35
		36-60	Silty clay loam, silt loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	20-30
291:													
Atterberry------	90	0-13	Silt loam	CL-ML, CL	A-4, A-6	0	0	100	100	95-100	95-100	25-40	5-15
		13-60	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	95-100	25-35	5-15
		60-64	Silt loam, silty clay loam	CL, CH	A-6, A-7	0	0	100	100	95-100	95-100	35-55	15-30
362:													
Haig----------	95	0-8	Silt loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
		8-18	Silty clay loam, silty clay	CH, CL	A-7	0	0	100	100	100	95-100	40-55	20-30
		18-31	Silty clay	CH	A-7	0	0	100	100	100	95-100	50-65	30-40
		31-60	Silty clay loam	CH, CL	A-6, A-7	0	0	100	100	100	95-100	35-55	20-30
364B:													
Grundy----------	95	0-14	Silty clay loam	CL, CH	A-7	0	0	100	100	95-100	90-100	40-55	20-35
		14-18	Silty clay loam, silty clay	CH, CL	A-7	0	0	100	100	95-100	90-100	45-55	25-35
		18-36	Silty clay	CH	A-7	0	0	100	100	95-100	90-100	50-70	30-45
		36-60	Silty clay loam	CH, CL	A-7	0	0	100	100	90-100	90-100	40-55	25-35
424D:													
Lindley---------	60	0-11	Loam	CL	A-6	0	0	95-100	90-100	85-95	50-65	25-35	10-15
		11-60	Clay loam, loam	CL	A-6, A-7	0	0	95-100	90-100	85-95	55-75	30-45	12-20

(Absence of an entry indicates that the data were not estimated.)

Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
		In				Pct	Pct					Pct	
Keswick---------	40	0-8	Loam	CL-ML, CL	A-6, A-4	0	0-5	90-100	80-100	75-90	60-80	20-30	5-15
		8-35	Clay, clay loam	CL, CH	A-7	0	0-5	90-100	80-100	70-90	55-80	40-70	20-40
		35-60	Clay loam	CL	A-6	0	0-5	90-100	80-100	70-90	55-80	30-40	15-25
424D2:													
Lindley---------	60	0-11	Loam	CL	A-6	0	0	95-100	90-100	85-95	50-65	25-35	10-15
		11-60	Clay loam, loam	CL	A-6, A-7	0	0	95-100	90-100	85-95	55-75	30-45	12-20
Keswick---------	40	0-8	Loam	CL, CL-ML	A-6, A-4	0	0-5	90-100	80-100	75-90	60-80	20-30	5-15
		8-35	Clay, clay loam	CH, CL	A-7	0	0-5	90-100	80-100	70-90	55-80	40-70	20-40
		35-60	Clay loam	CL	A-6	0	0-5	90-100	80-100	70-90	55-80	30-40	15-25
425D:													
Keswick---------	95	0-8	Loam	CL-ML, CL	A-6, A-4	0	0-5	90-100	80-100	75-90	60-80	20-30	5-15
		8-35	Clay, clay loam	CH, CL	A-7	0	0-5	90-100	80-100	70-90	55-80	40-70	20-40
		35-60	Clay loam	CL	A-6	0	0-5	90-100	80-100	70-90	55-80	30-40	15-25
425D2:													
Keswick---------	95	0-8	Loam	CL, CL-ML	A-6, A-4	0	0-5	90-100	80-100	75-90	60-80	20-30	5-15
		8-35	Clay, clay loam	CH, CL	A-7	0	0-5	90-100	80-100	70-90	55-80	40-70	20-40
		35-60	Clay loam	CL	A-6	0	0-5	90-100	80-100	70-90	55-80	30-40	15-25
430:													
Ackmore---------	90	0-6	Silt loam	CL, ML	A-6, A-4, A-7	0	0	100	100	95-100	85-100	25-50	8-20
		6-24	Silt loam, silty clay loam	CL, ML	A-4, A-7, A-6	0	0	100	100	95-100	85-100	25-50	8-20
		24-60	Silty clay loam, silt loam	CH, CL	A-7, A-6	0	0	100	100	95-100	85-100	35-60	15-30
453:													
Tuskeego--------	100	0-18	Silt loam	CL-ML, CL	A-6, A-4	0	0	100	100	95-100	95-100	25-35	5-15
		18-37	Silty clay loam, silty clay	CH	A-7	0	0	100	100	95-100	95-100	50-60	25-35
		37-60	Silty clay loam	CL, CH	A-7	0	0	100	100	95-100	95-100	45-55	25-35

(Absence of an entry indicates that the data were not estimated.)

Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
		In				Pct	Pct					Pct	
478G:													
Nordness--------	50	0-6	Silt loam	CL, CL-ML	A-4	0	0	100	100	90-100	70-90	20-30	5-10
		6-15	Clay loam, silty clay loam, loam	CL	A-7, A-6	0	2-10	90-98	90-98	90-97	90-97	30-45	15-25
		15-60	Unweathered bedrock, weathered bedrock			---	---	---	---	---	---	---	---
Rock Outcrop----	30	---	---	---	---	---	---	---	---	---	---	---	---
484:													
Lawson----------	95	0-10	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	90-100	85-100	20-40	5-20
		10-34	Silt loam, silty clay loam	CL, CL-ML	A-4	0	0	100	100	90-100	85-100	20-30	5-10
		34-60	Stratified sandy loam to silty clay loam	SC-SM, SC, CL, CL-ML	A-6, A-4	0	0	100	100	60-100	35-85	20-35	5-20
499F:													
Nordness--------	95	0-6	Silt loam	CL, CL-ML	A-4	0	0	100	100	90-100	70-90	20-30	5-10
		6-15	Clay loam, silty clay loam, loam	CL	A-7, A-6	0	2-10	90-98	90-98	90-97	90-97	30-45	15-25
		15-60	Unweathered bedrock, weathered bedrock			---	---	90-100	90-100	90-100	90-100	---	---
520:													
Coppock---------	90	0-8	Silt loam	CL	A-6	0	0	100	100	98-100	95-100	30-40	10-20
		8-19	Silt loam	CL	A-6	0	0	100	100	98-100	95-100	30-40	10-20
		19-41	Silty clay loam, silt loam	CL, MH, CH, ML	A-7, A-6	0	0	100	100	98-100	95-100	35-55	15-25
		41-60	Silty clay loam	CH, CL	A-7	0	0	100	100	98-100	95-100	40-60	15-30

(Absence of an entry indicates that the data were not estimated.)

Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
		In				Pct	Pct					Pct	
570B:													
Nira----------	95	0-16	Silty clay loam	MH, CH, ML, CL	A-7	0	0	100	100	100	95-100	40-55	15-25
		16-46	Silty clay loam	CH, CL	A-7	0	0	100	100	100	95-100	40-55	20-30
		46-60	Silty clay loam, silt loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
570C2:													
Nira----------	95	0-16	Silty clay loam	CL, ML, CH, MH	A-7	0	0	100	100	100	95-100	40-55	15-25
		16-46	Silty clay loam	CL, CH	A-7	0	0	100	100	100	95-100	40-55	20-30
		46-60	Silty clay loam, silt loam	CL	A-7, A-6	0	0	100	100	100	95-100	35-45	15-25
571B:													
Hedrick---------	95	0-12	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	100	95-100	25-40	5-15
		12-45	Silty clay loam	CH, CL	A-7	0	0	100	100	100	95-100	40-55	25-35
		45-60	Silty clay loam, silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	15-20
571C2:													
Hedrick---------	95	0-12	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	100	100	95-100	25-40	5-15
		12-45	Silty clay loam	CH, CL	A-7	0	0	100	100	100	95-100	40-55	25-35
		45-60	Silty clay loam, silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	15-20
572B:													
Inton----------	95	0-8	Silt loam	ML	A-4	0	0	100	100	100	95-100	30-40	5-10
		8-39	Silty clay loam	CH, CL	A-7	0	0	100	100	100	95-100	40-55	25-35
		39-60	Silty clay loam, silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	15-25

(Absence of an entry indicates that the data were not estimated.)

Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
		In				Pct	Pct					Pct	
572C2:													
Inton----------	95	0-8	Silt loam	ML	A-4	0	0	100	100	100	95-100	30-40	5-10
		8-39	Silty clay loam	CH, CL	A-7	0	0	100	100	100	95-100	40-55	25-35
		39-60	Silty clay loam, silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	15-25
730B:													
Nodaway---------	45	0-6	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	95-100	95-100	90-100	25-35	5-15
		6-60	Silt loam, silty clay loam	CL-ML, CL	A-6, A-4	0	0	100	95-100	95-100	90-100	25-40	5-15
Cantril---------	25	0-24	Loam	CL	A-6	0	0	100	100	85-95	65-75	30-40	11-20
		24-60	Clay loam	CL	A-6, A-7	0	0	100	100	90-100	70-88	35-45	15-25
Klum----------	20	0-8	Fine sandy loam	CL-ML, SC-SM, SM	A-4	0	0	100	95-100	70-90	40-55	20-35	3-10
		8-60	Stratified silt loam to sandy loam	SC-SM, SP-SM, CL-ML, SC	A-4, A-2	0	0	100	95-100	70-95	10-70	15-30	NP-10
779:													
Kalona----------	100	0-18	Silty clay loam	MH	A-7	0	0	100	100	100	95-100	50-65	20-30
		18-41	Silty clay loam, silty clay	CH	A-7	0	0	100	100	100	95-100	50-65	25-35
		41-60	Silty clay loam, silt loam	CL	A-7	0	0	100	100	100	95-100	40-50	15-25
793:													
Bertrand--------	95	0-15	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	100	90-100	85-90	25-35	6-15
		15-33	Silt loam, silty clay loam	CL	A-6, A-4	0	0	100	100	90-100	85-95	25-40	7-20
		33-60	Stratified sand to silt loam	SC-SM, SC, CL, CL-ML	A-4	0	0	100	100	80-95	35-75	15-30	4-10

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Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
		In				Pct	Pct					Pct	
793B:													
Bertrand--------	95	0-15	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	100	90-100	85-90	25-35	6-15
		15-33	Silt loam, silty clay loam	CL	A-6, A-4	0	0	100	100	90-100	85-95	25-40	7-20
		33-60	Stratified sand to silt loam	SC, CL, SC-SM, CL-ML	A-4	0	0	100	100	80-95	35-75	15-30	4-10
795D2:													
Ashgrove--------	95	0-16	Silty clay loam	CL	A-7, A-6	0	0	100	95-100	90-100	85-100	35-45	15-25
		16-51	Silty clay, silty clay loam	CH	A-7	0	0	100	95-100	85-100	85-100	55-70	30-40
		51-60	Clay, silty clay	CH	A-7	0	0	95-100	95-100	75-90	75-90	50-60	25-35
834:													
Titus----------	95	0-22	Silty clay loam	CH, CL	A-7	0	0	100	100	95-100	90-100	40-55	20-30
		22-40	Silty clay loam, silty clay	CH, CL	A-7	0	0	100	100	95-100	90-100	40-55	20-30
		40-60	Silty clay loam, silt loam, loam	CL	A-6	0	0	100	90-100	70-90	55-85	20-40	10-25
880B:													
Clinton---------	100	0-12	Silt loam	ML	A-4	0	0	100	100	100	95-100	30-40	5-10
		12-39	Silty clay loam, silty clay	CL, CH	A-7	0	0	100	100	100	95-100	40-55	25-35
		39-60	Silty clay loam, silt loam	CL	A-7, A-6	0	0	100	100	100	95-100	35-45	15-25
893D2:													
Gara----------	70	0-18	Clay loam, loam	CL	A-7, A-6	0	0	90-95	85-95	70-85	55-75	35-45	15-25
		18-47	Clay loam, loam	CL	A-6	0	0-5	90-95	85-95	70-85	55-75	30-40	15-25
		47-60	Clay loam, loam	CL	A-6	0	0-5	90-95	85-95	70-85	55-75	30-40	15-25

(Absence of an entry indicates that the data were not estimated.)

Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
		In				Pct	Pct					Pct	
Rinda----------	20	0-13	Silt loam	CL	A-6	0	0	100	95-100	90-100	85-100	30-40	10-20
		13-18	Silty clay loam	CH	A-7	0	0	100	95-100	90-100	85-100	45-55	20-30
		18-60	Clay, silty clay	CH	A-7	0	0	95-100	95-100	80-95	75-90	55-70	35-45
950:													
Niota Variant---	100	0-7	Silty clay loam	CL	A-6	0	0	100	100	95-100	90-100	30-40	10-20
		7-60	Silty clay, clay	CH	A-7	0	0	100	100	95-100	95-100	50-80	25-45
950D:													
Niota Variant---	100	0-7	Silty clay loam	CL	A-6	0	0	100	100	95-100	90-100	30-40	10-20
		7-60	Silty clay, clay	CH	A-7	0	0	100	100	95-100	95-100	50-80	25-45
960:													
Shaffton--------	90	0-12	Loam	CL	A-6	0	0	100	100	85-95	60-70	30-40	11-20
		12-23	Loam	CL-ML, CL	A-6, A-4	0	0	100	100	85-95	55-65	25-35	5-15
		23-42	Loamy sand, sandy loam	SP-SM, SC-SM, SM	A-2	0	0	100	100	50-75	10-30	15-15	NP-5
		42-60	Coarse sand, fine sand, sand	SW-SM, SW, SP, SP-SM	A-1	0	0	90-100	90-95	20-35	3-5	0-14	NP
961:													
Ambraw----------	95	0-20	Loam	CL	A-7, A-6	0	0	100	100	85-95	70-95	30-45	10-20
		20-50	Clay loam, clay, silty clay loam	CH, CL	A-7, A-6	0	0	100	100	80-90	60-80	35-55	15-30
		50-60	Clay loam, sandy clay loam	CL	A-7, A-6	0	0	100	90-100	85-95	50-85	30-50	10-25
1273B:													
Olmitz Variant--	100	0-26	Loam	CL	A-6	0	0	100	90-100	85-95	60-80	30-40	11-20
		26-60	Clay loam	CL	A-6, A-7	0	0	100	90-100	85-95	60-80	35-45	15-25

(Absence of an entry indicates that the data were not estimated.)

Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification: Unified	Classification: AASHTO	Fragments: >10 inches	Fragments: 3-10 inches	Percentage passing sieve number--: 4	10	40	200	Liquid limit	Plasticity index
		In				Pct	Pct					Pct	
1273C:													
Olmitz Variant--	100	0-26	Loam	CL	A-6	0	0	100	90-100	85-95	60-80	30-40	11-20
		26-60	Clay loam	CL	A-7, A-6	0	0	100	90-100	85-95	60-80	35-45	15-25
1316:													
Fluvaquents-----	95	---	---	---	---	---	---	---	---	---	---	---	---
1587:													
Dolbee----------	95	0-18	Silty clay loam	CL	A-6, A-7	0	0	100	100	90-100	80-90	35-50	15-25
		18-60	Silty clay loam, silt loam	CL	A-6, A-7	0	0	100	100	90-100	80-90	35-50	20-30
1826:													
Snider----------	90	0-18	Loam	CL, ML	A-6, A-4	0	0	100	100	85-95	50-70	30-40	5-15
		18-54	Loam, silt loam	ML, CL	A-6, A-4	0	0	100	100	85-95	50-70	30-40	5-15
		54-60	Silty clay loam, loam, silt loam	CL, CL-ML	A-6, A-4	0	0	100	100	80-95	50-75	25-40	5-15
2208:													
Klum----------	90	0-8	Fine sandy loam	SC-SM, CL-ML, SM	A-4	0	0	100	95-100	70-90	40-55	20-35	3-10
		8-60	Stratified sandy loam to silt loam	SP-SM, SC-SM, CL-ML, SC	A-2, A-4	0	0	100	95-100	70-95	10-70	15-30	NP-10
2226:													
Elrin----------	95	0-20	Loam	CL	A-6	0	0	100	100	85-95	60-70	30-40	11-20
		20-27	Loam	CL-ML, SC-SM, SC, CL	A-4, A-6	0	0	100	100	80-90	40-55	25-35	5-15
		27-41	Sandy loam, fine sandy loam	SM, SC-SM, SC	A-4	0	0	100	100	80-90	35-50	15-25	2-8
		41-60	Loamy sand, loamy fine sand, sand	SM, SP-SM	A-2	0	0	100	100	70-85	10-30	0-14	NP

(Absence of an entry indicates that the data were not estimated.)

Des Moines County, Iowa

Map symbol and component name	Component percent	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas-ticity index
				Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
		In				Pct	Pct					Pct	
2484:													
Lawson----------	90	0-34	Silt loam	CL-ML, CL	A-4, A-6	0	0	100	100	90-100	85-100	20-40	5-20
		34-60	Stratified sandy loam to silty clay loam	SC, CL, CL-ML, SC-SM	A-4, A-6	0	0	100	100	60-100	35-85	20-35	5-20
4000:													
Urban Land------	100	---	---	---	---	---	---	---	---	---	---	---	---
5010:													
Pits----------	100	---	---	---	---	---	---	---	---	---	---	---	---
5030:													
Pits----------	100	---	---	---	---	---	---	---	---	---	---	---	---
5040:													
Orthents--------	100	---	---	---	---	---	---	---	---	---	---	---	---
5080:													
Orthents--------	100	---	---	---	---	---	---	---	---	---	---	---	---
W:													
Water----------	100	---	---	---	---	---	---	---	---	---	---	---	---