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

Benton 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	
11B:													
Colo----------	60	0-38	Silty clay loam	CH, CL	A-7	0	0	100	100	90-100	90-100	40-60	15-30
		38-60	Silty clay loam	CL, CH	A-7	0	0	100	100	90-100	90-100	40-55	20-30
		60-64	Clay loam, silt loam, silty clay loam	CH, CL	A-7	0	0	100	100	95-100	80-100	40-55	15-30
Ely----------	35	0-34	Silt loam	CL	A-6, A-7	0	0	100	100	95-100	95-100	30-45	10-25
		34-58	Silty clay loam	CL, ML	A-6, A-7	0	0	100	100	95-100	95-100	35-50	10-25
		58-65	Silt loam, silty clay loam, loam	CL	A-6	0	0	100	100	90-100	85-100	25-40	10-20
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
		16-72	Loamy fine sand, sand, fine sand	SM, SP-SM	A-3, A-2, A-4	0	0	85-100	85-100	50-95	5-50	0-14	NP
		72-76	Sand, fine sand	SM, SP, SP-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
		16-72	Loamy fine sand, sand, fine sand	SM, SP-SM	A-2, A-4, A-3	0	0	85-100	85-100	50-95	5-50	0-14	NP
		72-76	Sand, fine sand	SM, SP, SP-SM	A-3, A-2	0	0	85-100	85-100	50-95	2-30	0-14	NP
41C:													
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
		16-72	Loamy fine sand, sand, fine sand	SM, SP-SM	A-3, A-2, A-4	0	0	85-100	85-100	50-95	5-50	0-14	NP
		72-76	Sand, fine sand	SM, SP-SM, SP	A-2, A-3	0	0	85-100	85-100	50-95	2-30	0-14	NP

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

Benton 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	
41D:													
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
		16-72	Loamy fine sand, sand, fine sand	SM, SP-SM	A-2, A-4, A-3	0	0	85-100	85-100	50-95	5-50	0-14	NP
		72-76	Sand, fine sand	SM, SP, SP-SM	A-3, A-2	0	0	85-100	85-100	50-95	2-30	0-14	NP
51:													
Vesser----------	95	0-11	Silt loam	CL	A-6	0	0	100	100	98-100	95-100	30-40	10-20
		11-19	Silt loam	CL	A-6	0	0	100	100	98-100	95-100	30-40	10-20
		19-60	Silty clay loam	CL	A-7	0	0	100	100	98-100	95-100	40-50	15-25
54:													
Zook----------	100	0-26	Silty clay loam	CL, CH	A-7	0	0	100	100	95-100	95-100	45-65	20-35
		26-50	Silty clay loam, silty clay	CH	A-7	0	0	100	100	95-100	95-100	60-85	35-55
		50-60	Silty clay loam, silt loam, silty clay, clay loam	CH, ML, CL, MH	A-6, A-7	0	0	100	100	95-100	95-100	35-80	10-50
63B:													
Chelsea---------	100	0-4	Loamy fine sand	SM, SP-SM	A-2-4	0	0	100	100	65-95	10-35	0-14	NP
		4-60	Loamy sand, sand, fine sand	SM, SP, SP-SM	A-3, A-2-4	0	0	100	100	65-95	3-15	0-14	NP
63C:													
Chelsea---------	100	0-4	Loamy fine sand	SM, SP-SM	A-2-4	0	0	100	100	65-95	10-35	0-14	NP
		4-60	Loamy sand, sand, fine sand	SM, SP, SP-SM	A-2-4, A-3	0	0	100	100	65-95	3-15	0-14	NP

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

Benton 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	
63D:													
Chelsea---------	100	0-4	Loamy fine sand	SP-SM, SM	A-2-4	0	0	100	100	65-95	10-35	0-14	NP
		4-60	Loamy sand, sand, fine sand	SM, SP, SP-SM	A-3, A-2-4	0	0	100	100	65-95	3-15	0-14	NP
63F:													
Chelsea---------	100	0-4	Loamy fine sand	SM, SP-SM	A-2-4	0	0	100	100	65-95	10-35	0-14	NP
		4-60	Sand, loamy sand, fine sand	SP, SP-SM, SM	A-2-4, A-3	0	0	100	100	65-95	3-15	0-14	NP
65E2:													
Lindley---------	95	0-7	Loam	CL	A-6	0	0	95-100	90-100	85-95	50-65	25-35	10-15
		7-49	Loam, clay loam	CL	A-7, A-6	0	0	95-100	90-100	85-95	55-75	30-45	12-20
		49-60	Loam, clay loam	CL	A-6	0	0	95-100	90-100	85-95	50-70	25-35	10-15
65F:													
Lindley---------	95	0-7	Loam	CL	A-6	0	0	95-100	90-100	85-95	50-65	25-35	10-15
		7-49	Loam, clay loam	CL	A-7, A-6	0	0	95-100	90-100	85-95	55-75	30-45	12-20
		49-60	Loam, clay loam	CL	A-6	0	0	95-100	90-100	85-95	50-70	25-35	10-15
65F3:													
Lindley---------	95	0-7	Clay loam	CL	A-6	0	0	95-100	90-100	85-95	55-75	30-40	15-20
		7-49	Loam, clay loam	CL	A-7, A-6	0	0	95-100	90-100	85-95	55-75	30-45	12-20
		49-60	Clay loam, loam	CL	A-6	0	0	95-100	90-100	85-95	50-70	25-35	10-15
83B:													
Kenyon----------	100	0-18	Loam	CL	A-6	0	0	100	95-100	85-95	65-75	30-40	10-20
		18-54	Clay loam, sandy clay loam, loam	CL	A-6	0	0-5	90-95	85-95	80-90	50-65	30-40	10-20
		54-60	Loam	CL	A-6	0	0-5	90-95	85-95	80-90	50-65	25-35	10-20

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

Benton 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	
83C:													
Kenyon----------	100	0-18	Loam	CL	A-6	0	0	100	95-100	85-95	65-75	30-40	10-20
		18-54	Clay loam, sandy clay loam, loam	CL	A-6	0	0-5	90-95	85-95	80-90	50-65	30-40	10-20
		54-60	Loam	CL	A-6	0	0-5	90-95	85-95	80-90	50-65	25-35	10-20
83C2:													
Kenyon----------	100	0-18	Loam	CL	A-6	0	0	100	95-100	85-95	65-75	30-40	10-20
		18-54	Clay loam, sandy clay loam, loam	CL	A-6	0	0-5	90-95	85-95	80-90	50-65	30-40	10-20
		54-60	Loam	CL	A-6	0	0-5	90-95	85-95	80-90	50-65	25-35	10-20
83D:													
Kenyon----------	100	0-18	Loam	CL	A-6	0	0	100	95-100	85-95	65-75	30-40	10-20
		18-54	Sandy clay loam, clay loam, loam	CL	A-6	0	0-5	90-95	85-95	80-90	50-65	30-40	10-20
		54-60	Loam	CL	A-6	0	0-5	90-95	85-95	80-90	50-65	25-35	10-20
83D2:													
Kenyon----------	100	0-18	Loam	CL	A-6	0	0	100	95-100	85-95	65-75	30-40	10-20
		18-54	Clay loam, sandy clay loam, loam	CL	A-6	0	0-5	90-95	85-95	80-90	50-65	30-40	10-20
		54-60	Loam	CL	A-6	0	0-5	90-95	85-95	80-90	50-65	25-35	10-20
84:													
Clyde----------	100	0-23	Silty clay loam	OH, MH, OL, ML	A-7	0	0-5	95-100	95-100	80-90	55-75	45-60	15-25
		23-32	Clay loam, silty clay loam, loam	ML, CL	A-6, A-7	0	0-5	95-100	90-95	75-90	50-75	30-50	10-20
		32-41	Loam, sandy clay loam, sandy loam	SM, SC-SM	A-2	0	2-5	80-95	75-90	50-80	15-35	15-20	NP-5
		41-65	Sandy clay loam, loam	SC, CL	A-6	0-5	2-5	90-95	85-90	75-90	45-65	25-35	10-20

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

Benton 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	
109C:													
Backbone--------	100	0-9	Fine sandy loam	SC-SM, SC	A-4, A-2	0	0	100	100	75-85	15-40	15-25	5-10
		9-32	Sandy loam	SC-SM, SC	A-4, A-2	0	0-2	90-95	90-95	65-80	20-40	15-25	5-10
		32-34	Sandy clay loam, clay loam, clay	CH, CL	A-7, A-6	0	2-5	90-95	90-95	70-80	50-75	35-55	20-30
		34-38	Unweathered bedrock			---	---	---	---	---	---	---	---
110B:													
Lamont----------	100	0-10	Fine sandy loam	SC-SM, SC	A-4, A-2	0	0	100	100	80-95	25-50	15-25	5-10
		10-25	Loamy fine sand, fine sandy loam	SC-SM, SM	A-4, A-2	0	0	100	100	80-95	15-50	15-25	NP-5
		25-50	Sandy clay loam, loam, fine sandy loam	SC-SM, SC	A-4, A-2	0	0	100	100	85-95	30-50	20-30	5-10
		50-60	Loamy fine sand, sand, loamy sand	SM	A-3, A-2	0	0	100	100	70-90	5-25	0-14	NP
110C:													
Lamont----------	100	0-10	Fine sandy loam	SC, SC-SM	A-4, A-2	0	0	100	100	80-95	25-50	15-25	5-10
		10-25	Loamy fine sand, fine sandy loam	SM, SC-SM	A-4, A-2	0	0	100	100	80-95	15-50	15-25	NP-5
		25-50	Loam, sandy clay loam, fine sandy loam	SC-SM, SC	A-4, A-2	0	0	100	100	85-95	30-50	20-30	5-10
		50-60	Loamy fine sand, sand, loamy sand	SM	A-3, A-2	0	0	100	100	70-90	5-25	0-14	NP

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

Benton 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	
118:													
Garwin----------	100	0-22	Silty clay loam	CH, CL	A-7	0	0	100	100	100	95-100	45-55	20-30
		22-48	Silty clay loam	CH, CL	A-7	0	0	100	100	100	95-100	45-55	25-35
		48-70	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	15-20
119:													
Muscatine-------	95	0-20	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	15-25
		20-46	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	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
119B:													
Muscatine-------	95	0-20	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	15-25
		20-46	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	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
120:													
Tama----------	100	0-15	Silty clay loam	ML	A-6, A-7	0	0	100	100	100	95-100	35-50	10-20
		15-56	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	15-25
		56-66	Sandy loam, clay loam, loam	CL	A-6	0	0-5	90-95	85-90	75-85	55-65	25-35	10-20
120B:													
Tama----------	100	0-15	Silty clay loam	ML	A-7, A-6	0	0	100	100	100	95-100	35-50	10-20
		15-56	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	15-25
		56-66	Sandy loam, clay loam, loam	CL	A-6	0	0-5	90-95	85-90	75-85	55-65	25-35	10-20
120C:													
Tama----------	100	0-15	Silty clay loam	ML	A-6, A-7	0	0	100	100	100	95-100	35-50	10-20
		15-56	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	15-25
		56-66	Sandy loam, clay loam, loam	CL	A-6	0	0-5	90-95	85-90	75-85	55-65	25-35	10-20

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

Benton 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	
120C2:													
Tama----------	100	0-7	Silty clay loam	ML	A-7, A-6	0	0	100	100	100	95-100	35-50	10-20
		7-15	Silty clay loam	ML	A-7, A-6	0	0	100	100	100	95-100	35-50	10-20
		15-56	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	15-25
		56-60	Sandy loam, clay loam, loam	CL	A-6	0	0-5	90-95	85-90	75-85	55-65	25-35	10-20
122:													
Sperry----------	100	0-9	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
		9-22	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
		22-46	Silty clay, silty clay loam	CH	A-7	0	0	100	100	100	95-100	50-65	25-35
		46-60	Silt loam, silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	20-30
127:													
Wiota----------	100	0-16	Silt loam	CL	A-6	0	0	100	100	100	90-95	30-40	10-20
		16-47	Silty clay loam	CL	A-7	0	0	100	100	100	80-95	40-50	15-25
		47-60	Sand, loamy sand, sandy loam	SM, SC-SM	A-2, A-3	0	0	100	95-100	80-90	5-20	15-20	NP-5
133:													
Colo----------	100	0-38	Silty clay loam	CH, CL	A-7	0	0	100	100	90-100	90-100	40-60	15-30
		38-60	Silty clay loam	CH, CL	A-7	0	0	100	100	90-100	90-100	40-55	20-30
		60-64	Silt loam, clay loam, silty clay loam	CL, CH	A-7	0	0	100	100	95-100	80-100	40-55	15-30

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

Benton 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	
159:													
Finchford-------	100	0-19	Loamy sand	SM	A-3, A-2	0	0	85-95	70-90	50-60	5-15	0-14	NP
		19-37	Gravelly sand, loamy sand, sand	SW-SM	A-1	0	0	80-90	50-75	25-40	5-10	0-14	NP
		37-60	Gravelly coarse sand, gravelly sand, sand	SW-SM, SW, SP, SP-SM	A-1	0	0	75-95	50-95	20-35	3-5	0-14	NP
162B:													
Downs----------	100	0-10	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	100	100	95-100	25-35	5-15
		10-42	Silt loam, silty clay loam	CL	A-7, A-6	0	0	100	100	100	95-100	35-45	15-25
		42-60	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
162C:													
Downs----------	100	0-10	Silt loam	CL-ML, CL	A-4, A-6	0	0	100	100	100	95-100	25-35	5-15
		10-42	Silt loam, silty clay loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
		42-60	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
162C2:													
Downs----------	100	0-10	Silt loam	CL-ML, CL	A-6, A-4	0	0	100	100	100	95-100	25-35	5-15
		10-42	Silt loam, silty clay loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
		42-60	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
162D:													
Downs----------	100	0-10	Silt loam	CL-ML, CL	A-4, A-6	0	0	100	100	100	95-100	25-35	5-15
		10-42	Silt loam, silty clay loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
		42-60	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.)

Benton 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	
162D2:													
Downs----------	100	0-10	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	100	100	95-100	25-35	5-15
		10-42	Silt loam, silty clay loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
		42-60	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
163B:													
Fayette---------	100	0-14	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	100	95-100	25-35	5-15
		14-46	Silt loam, silty clay loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
		46-60	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
163C:													
Fayette---------	100	0-14	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	100	100	95-100	25-35	5-15
		14-46	Silt loam, silty clay loam	CL	A-7, A-6	0	0	100	100	100	95-100	35-45	15-25
		46-60	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-6, A-7	0	0	100	100	100	95-100	30-45	10-25
		14-42	Silt loam, silty clay loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
		42-60	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
163D:													
Fayette---------	100	0-14	Silt loam	CL-ML, CL	A-6, A-4	0	0	100	100	100	95-100	25-35	5-15
		14-46	Silt loam, silty clay loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
		46-60	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.)

Benton 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	
163D2:													
Fayette---------	100	0-14	Silt loam	CL	A-6, A-7	0	0	100	100	100	95-100	30-45	10-25
		14-46	Silt loam, silty clay loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
		46-60	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
163E:													
Fayette---------	100	0-14	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	100	100	95-100	25-35	5-15
		14-46	Silt loam, silty clay loam	CL	A-7, A-6	0	0	100	100	100	95-100	35-45	15-25
		46-60	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
163E2:													
Fayette---------	100	0-14	Silt loam	CL	A-6, A-7	0	0	100	100	100	95-100	30-45	10-25
		14-46	Silt loam, silty clay loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
		46-60	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
163F:													
Fayette---------	100	0-14	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	100	100	95-100	25-35	5-15
		14-46	Silt loam, silty clay loam	CL	A-7, A-6	0	0	100	100	100	95-100	35-45	15-25
		46-60	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
163F2:													
Fayette---------	100	0-14	Silt loam	CL	A-6, A-7	0	0	100	100	100	95-100	30-45	10-25
		14-46	Silt loam, silty clay loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
		46-60	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.)

Benton 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	
163G:													
Fayette---------	100	0-14	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	100	100	95-100	25-35	5-15
		14-46	Silt loam, silty clay loam	CL	A-7, A-6	0	0	100	100	100	95-100	35-45	15-25
		46-60	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
171B:													
Bassett---------	100	0-18	Loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	85-95	65-85	20-30	5-15
		18-48	Sandy clay loam, clay loam, loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	30-40	11-20
		48-60	Loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	30-40	11-20
171C:													
Bassett---------	100	0-18	Loam	CL-ML, CL	A-4, A-6	0	0	100	95-100	85-95	65-85	20-30	5-15
		18-48	Clay loam, sandy clay loam, loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	30-40	11-20
		48-60	Loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	30-40	11-20
171C2:													
Bassett---------	100	0-18	Loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	85-95	65-85	20-30	5-15
		18-48	Clay loam, sandy clay loam, loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	30-40	11-20
		48-60	Loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	30-40	11-20
171D:													
Bassett---------	100	0-18	Loam	CL-ML, CL	A-4, A-6	0	0	100	95-100	85-95	65-85	20-30	5-15
		18-48	Clay loam, sandy clay loam, loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	30-40	11-20
		48-60	Loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	30-40	11-20

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

Benton 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	
171D2:													
Bassett---------	100	0-18	Loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	85-95	65-85	20-30	5-15
		18-48	Clay loam, sandy clay loam, loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	30-40	11-20
		48-60	Loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	30-40	11-20
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
		16-26	Sandy loam, fine sandy loam	SM, SC-SM, SC	A-2, A-4	0	0	100	100	85-95	30-50	15-30	NP-10
		26-31	Fine sandy loam, sandy loam, loamy sand	SC-SM, SC, SM	A-4	0	0	100	100	85-95	35-50	15-30	NP-10
		31-60	Loamy fine sand, loamy sand, sand	SM	A-3, A-2	0	0	100	100	70-90	5-20	0-14	NP
175B:													
Dickinson-------	100	0-16	Fine sandy loam	SM, SC-SM, SC	A-4, A-2	0	0	100	100	85-95	30-50	15-30	NP-10
		16-26	Sandy loam, fine sandy loam	SC-SM, SC, SM	A-4, A-2	0	0	100	100	85-95	30-50	15-30	NP-10
		26-31	Fine sandy loam, sandy loam, loamy sand	SM, SC-SM, SC	A-4	0	0	100	100	85-95	35-50	15-30	NP-10
		31-60	Loamy fine sand, loamy sand, sand	SM	A-2, A-3	0	0	100	100	70-90	5-20	0-14	NP

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

Benton 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	
175C:													
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
		16-26	Sandy loam, fine sandy loam	SM, SC-SM, SC	A-2, A-4	0	0	100	100	85-95	30-50	15-30	NP-10
		26-31	Sandy loam, fine sandy loam, loamy sand	SM, SC-SM, SC	A-4	0	0	100	100	85-95	35-50	15-30	NP-10
		31-60	Loamy fine sand, loamy sand, sand	SM	A-3, A-2	0	0	100	100	70-90	5-20	0-14	NP
177:													
Saude----------	100	0-13	Loam	CL	A-6	0	0	100	90-100	70-90	50-75	25-35	10-15
		13-27	Sandy loam, gravelly sandy loam, loam	SC-SM, SC, CL, CL-ML	A-4, A-6	0	0-5	85-95	65-95	60-85	45-60	20-30	5-15
		27-60	Very gravelly loamy sand, loamy sand, sand, gravelly coarse sand	SM, SW, GM	A-1	0	2-10	50-90	50-85	20-40	3-25	0-14	NP
177B:													
Saude----------	100	0-13	Loam	CL	A-6	0	0	100	90-100	70-90	50-75	25-35	10-15
		13-27	Sandy loam, gravelly sandy loam, loam	CL-ML, SC-SM, SC, CL	A-4, A-6	0	0-5	85-95	65-95	60-85	45-60	20-30	5-15
		27-60	Very gravelly loamy sand, loamy sand, sand, gravelly coarse sand	SM, SW, GM	A-1	0	2-10	50-90	50-85	20-40	3-25	0-14	NP

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

Benton 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	
177C:													
Saude----------	95	0-13	Loam	CL	A-6	0	0	100	90-100	70-90	50-75	25-35	10-15
		13-27	Sandy loam, gravelly sandy loam, loam	CL-ML, SC-SM, SC, CL	A-4, A-6	0	0-5	85-95	65-95	60-85	45-60	20-30	5-15
		27-60	Very gravelly loamy sand, loamy sand, sand, gravelly coarse sand	GM, SW, SM	A-1	0	2-10	50-90	50-85	20-40	3-25	0-14	NP
178:													
Waukee----------	95	0-23	Loam	CL	A-6	0	0	100	90-100	70-90	50-75	30-40	10-20
		23-37	Sandy clay loam, loam	SC, CL-ML, SC-SM, CL	A-6, A-4	0	0-5	85-95	80-95	65-85	40-60	20-35	5-15
		37-60	Gravelly sand, loamy coarse sand, coarse sand	SM, SW, SP, SP-SM	A-1	0-5	0-10	60-90	60-85	20-40	3-25	0-14	NP
178B:													
Waukee----------	100	0-23	Loam	CL	A-6	0	0	100	90-100	70-90	50-75	30-40	10-20
		23-37	Sandy clay loam, loam	SC-SM, SC, CL, CL-ML	A-6, A-4	0	0-5	85-95	80-95	65-85	40-60	20-35	5-15
		37-60	Loamy coarse sand, gravelly sand, coarse sand	SP, SP-SM, SM, SW	A-1	0-5	0-10	60-90	60-85	20-40	3-25	0-14	NP
184B:													
Klinger---------	95	0-17	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	15-25
		17-39	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	20-30
		39-60	Clay loam, loam	CL	A-6	0	0-5	90-95	85-90	75-85	55-65	25-35	10-20

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

Benton 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	
198B:													
Floyd----------	95	0-23	Loam	OL, CL, ML	A-4, A-6	0	0	100	100	80-90	55-75	30-40	5-15
		23-34	Sandy clay loam, loam	CL	A-6	0	2-8	90-95	70-90	50-70	50-65	25-35	11-20
		34-43	Loamy sand, sandy loam	SM, SC-SM	A-2	0	2-5	90-95	70-90	50-70	15-35	10-20	NP-5
		43-76	Clay loam, sandy clay loam, loam	CL	A-6	0	2-5	90-95	85-95	70-85	50-65	25-35	11-20
207C:													
Whalan----------	95	0-5	Loam	ML	A-4	0	0	100	95-100	85-95	60-90	30-40	5-10
		5-26	Clay loam, loam	CL	A-6	0	0	95-100	95-100	80-95	70-90	30-40	10-15
		26-28	Clay loam, clay, silty clay	CH, CL	A-7	---	0-5	80-100	70-95	65-90	50-85	40-60	20-35
		28-32	Unweathered bedrock			---	---	---	---	---	---	---	---
214C:													
Rockton---------	95	0-17	Loam	CL-ML, CL, ML	A-4	0	0	90-100	90-100	85-95	50-75	25-35	5-10
		17-24	Sandy clay loam, clay loam, loam	CL, SC	A-7, A-6	0	0	90-100	90-100	75-90	45-70	30-45	10-20
		24-26	Silty clay, clay loam, clay	CH, CL	A-7	---	0-2	90-100	90-100	90-95	70-90	40-60	20-35
		26-30	Unweathered bedrock			---	---	---	---	---	---	---	---
220:													
Nodaway---------	95	0-10	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	95-100	95-100	90-100	25-35	5-15
		10-60	Silty clay loam, stratified silt loam	CL-ML, CL	A-6, A-4	0	0	100	95-100	95-100	90-100	25-40	5-15

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

Benton 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	
221B:													
Palms----------	95	0-26	Muck	PT	A-8	---	---	---	---	---	---	---	---
		26-60	Clay loam, fine sandy loam, silty clay loam, silt loam	CL-ML, CL	A-6, A-4	0	0	85-100	80-100	70-95	50-90	25-40	5-20
226:													
Lawler----------	95	0-21	Loam	CL, ML	A-7, A-6	0	0	100	90-100	70-90	55-75	35-45	10-20
		21-34	Clay loam, sandy clay loam, loam	CL, SC	A-6	0	0-5	85-95	80-95	70-85	45-65	25-40	10-20
		34-65	Very gravelly loamy sand, gravelly loamy sand, loamy coarse sand, gravelly coarse sand	SW-SM, SW, SP	A-1	0	2-10	50-90	50-85	20-40	3-10	0-14	NP
284:													
Flagler---------	100	0-23	Sandy loam	SC-SM, SC	A-2, A-4	0	0	95-100	90-95	60-70	25-40	15-25	5-10
		23-29	Sandy loam	SC-SM, SC	A-2, A-4	0	0	95-100	90-95	50-70	25-40	15-25	5-10
		29-65	Gravelly sand, loamy sand, sand	SW, SP-SM, SW-SM, SP	A-1	0	0-5	70-90	70-85	20-40	3-12	0-14	NP
284B:													
Flagler---------	100	0-23	Sandy loam	SC-SM, SC	A-4, A-2	0	0	95-100	90-95	60-70	25-40	15-25	5-10
		23-29	Sandy loam	SC-SM, SC	A-4, A-2	0	0	95-100	90-95	50-70	25-40	15-25	5-10
		29-65	Loamy sand, gravelly sand, sand	SW-SM, SP, SP-SM, SW	A-1	0	0-5	70-90	70-85	20-40	3-12	0-14	NP

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

Benton 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	
285C:													
Burkhardt-------	100	0-11	Sandy loam	SM, SC-SM	A-2, A-4	0	0	95-100	90-100	55-70	25-40	15-26	2-7
		11-15	Loam, sandy loam	SM, CL, SC, ML	A-2, A-4	0	0	95-100	85-100	50-95	25-75	15-30	2-10
		15-60	Very gravelly loamy sand, coarse sand, gravelly coarse sand	SP, SP-SM	A-1	0	0	50-85	45-85	20-35	1-5	0-14	NP
291:													
Atterberry------	100	0-14	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	100	95-100	95-100	25-40	5-15
		14-48	Silt loam	CL-ML, CL	A-6, A-4	0	0	100	100	95-100	95-100	25-35	5-15
		48-60	Silty clay loam, silt loam	CH, CL	A-7, A-6	0	0	100	100	95-100	95-100	35-55	15-30
293C:													
Chelsea---------	40	0-4	Loamy fine sand	SM, SP-SM	A-2-4	0	0	100	100	65-95	10-35	0-14	NP
		4-60	Sand, loamy sand, fine sand	SP-SM, SM, SP	A-2-4, A-3	0	0	100	100	65-95	3-15	0-14	NP
Lamont----------	30	0-10	Fine sandy loam	SC-SM, SC	A-2, A-4	0	0	100	100	80-95	25-50	15-25	5-10
		10-25	Loamy fine sand, fine sandy loam	SM, SC-SM	A-2, A-4	0	0	100	100	80-95	15-50	15-25	NP-5
		25-50	Loam, sandy clay loam, fine sandy loam	SC-SM, SC	A-2, A-4	0	0	100	100	85-95	30-50	20-30	5-10
		50-60	Loamy fine sand, sand, loamy sand	SM	A-2, A-3	0	0	100	100	70-90	5-25	0-14	NP

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

Benton 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	
Fayette---------	20	0-14	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	100	95-100	25-35	5-15
		14-46	Silt loam, silty clay loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
		46-60	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
293D:													
Chelsea---------	40	0-4	Loamy fine sand	SP-SM, SM	A-2-4	0	0	100	100	65-95	10-35	0-14	NP
		4-60	Loamy sand, sand, fine sand	SM, SP, SP-SM	A-3, A-2-4	0	0	100	100	65-95	3-15	0-14	NP
Lamont----------	30	0-10	Fine sandy loam	SC-SM, SC	A-4, A-2	0	0	100	100	80-95	25-50	15-25	5-10
		10-25	Loamy fine sand, fine sandy loam	SM, SC-SM	A-4, A-2	0	0	100	100	80-95	15-50	15-25	NP-5
		25-50	Sandy clay loam, loam, fine sandy loam	SC-SM, SC	A-4, A-2	0	0	100	100	85-95	30-50	20-30	5-10
		50-60	Loamy fine sand, sand, loamy sand	SM	A-3, A-2	0	0	100	100	70-90	5-25	0-14	NP
Fayette---------	20	0-14	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	100	100	95-100	25-35	5-15
		14-46	Silt loam, silty clay loam	CL	A-7, A-6	0	0	100	100	100	95-100	35-45	15-25
		46-60	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
293F:													
Chelsea---------	40	0-4	Loamy fine sand	SP-SM, SM	A-2-4	0	0	100	100	65-95	10-35	0-14	NP
		4-60	Sand, loamy sand, fine sand	SP, SM, SP-SM	A-2-4, A-3	0	0	100	100	65-95	3-15	0-14	NP

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

Benton 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	
Lamont----------	30	0-10	Fine sandy loam	SC, SC-SM	A-2, A-4	0	0	100	100	80-95	25-50	15-25	5-10
		10-25	Loamy fine sand, fine sandy loam	SM, SC-SM	A-2, A-4	0	0	100	100	80-95	15-50	15-25	NP-5
		25-50	Loam, sandy clay loam, fine sandy loam	SC-SM, SC	A-2, A-4	0	0	100	100	85-95	30-50	20-30	5-10
		50-60	Loamy fine sand, sand, loamy sand	SM	A-2, A-3	0	0	100	100	70-90	5-25	0-14	NP
Fayette---------	20	0-14	Silt loam	CL-ML, CL	A-4, A-6	0	0	100	100	100	95-100	25-35	5-15
		14-46	Silt loam, silty clay loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
		46-60	Silt loam	CL	A-6	0	0	100	100	100	95-100	30-40	10-20
302B:													
Coggon----------	100	0-15	Loam	CL, CL-ML	A-6, A-4	0	0	100	95-100	90-95	65-85	20-30	5-15
		15-56	Loam, sandy clay loam, clay loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	30-40	10-20
		56-60	Loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	30-40	10-20
302C:													
Coggon----------	100	0-15	Loam	CL-ML, CL	A-6, A-4	0	0	100	95-100	90-95	65-85	20-30	5-15
		15-56	Sandy clay loam, loam, clay loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	30-40	10-20
		56-60	Loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	30-40	10-20
302C2:													
Coggon----------	100	0-15	Loam	CL, CL-ML	A-6, A-4	0	0	100	95-100	90-95	65-85	20-30	5-15
		15-56	Loam, sandy clay loam, clay loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	30-40	10-20
		56-60	Loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	30-40	10-20

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

Benton 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	
315:													
Fluvaquents-----	95	---	---	---	---	---	---	---	---	---	---	---	---
350:													
Waukegan--------	100	0-13	Silt loam	ML	A-4	0	0	95-100	95-100	95-100	85-95	25-40	3-10
		13-36	Loam, silt loam	CL, CL-ML	A-4, A-6	0	0	95-100	95-100	95-100	85-95	25-40	5-15
		36-60	Gravelly sand, gravelly coarse sand, sand	SP, SP-SM, SW	A-1	---	0-2	60-90	60-85	30-50	3-10	0-14	NP
350B:													
Waukegan--------	100	0-13	Silt loam	ML	A-4	0	0	95-100	95-100	95-100	85-95	25-40	3-10
		13-36	Loam, silt loam	CL-ML, CL	A-4, A-6	0	0	95-100	95-100	95-100	85-95	25-40	5-15
		36-60	Gravelly coarse sand, gravelly sand, sand	SP, SP-SM, SW	A-1	---	0-2	60-90	50-85	30-50	3-10	0-14	NP
352B:													
Whittier--------	100	0-7	Silt loam	CL, CL-ML	A-6, A-4	0	0	100	100	95-100	85-95	25-35	5-15
		7-27	Silty clay loam	CL	A-7, A-6	0	0	100	100	95-100	90-95	35-45	15-25
		27-31	Sandy loam, loam	SC, CL	A-6, A-4	0	0	100	95-100	80-90	45-75	25-40	8-20
		31-60	Loamy fine sand, fine sand, loamy sand	SM, SC-SM	A-3, A-2	0	0	100	95-100	80-90	5-20	15-20	NP-5
377B:													
Dinsdale--------	100	0-14	Silty clay loam	ML	A-7, A-6	0	0	100	100	100	95-100	35-50	10-20
		14-38	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	15-25
		38-60	Clay loam, sandy clay loam, loam	CL	A-6	0	0-5	90-95	85-90	75-85	55-65	25-35	10-20

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

Benton 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	
377C:													
Dinsdale--------	100	0-14	Silty clay loam	ML	A-7, A-6	0	0	100	100	100	95-100	35-50	10-20
		14-38	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	15-25
		38-60	Clay loam, sandy clay loam, loam	CL	A-6	0	0-5	90-95	85-90	75-85	55-65	25-35	10-20
377C2:													
Dinsdale--------	100	0-14	Silty clay loam	ML	A-7, A-6	0	0	100	100	100	95-100	35-50	10-20
		14-38	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	15-25
		38-60	Clay loam, sandy clay loam, loam	CL	A-6	0	0-5	90-95	85-90	75-85	55-65	25-35	10-20
382:													
Maxfield--------	100	0-21	Silty clay loam	CH, CL	A-7	0	0	100	100	100	95-100	45-55	20-30
		21-37	Silt loam, silty clay loam	CH, CL	A-7	0	0	100	100	100	95-100	45-55	25-35
		37-60	Loam	CL	A-6	0	0-5	90-95	85-90	75-85	55-65	25-35	10-20
391B:													
Clyde----------	60	0-23	Silty clay loam	OL, OH, ML, MH	A-7	0	0-5	95-100	95-100	80-90	55-75	45-60	15-25
		23-32	Clay loam, silty clay loam, loam	ML, CL	A-7, A-6	0	0-5	95-100	90-95	75-90	50-75	30-50	10-20
		32-41	Loam, sandy clay loam, sandy loam	SM, SC-SM	A-2	0	2-5	80-95	75-90	50-80	15-35	15-20	NP-5
		41-65	Sandy clay loam, loam	SC, CL	A-6	0-5	2-5	90-95	85-90	75-90	45-65	25-35	10-20

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

Benton 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	
Floyd----------	40	0-23	Loam	CL, OL, ML	A-6, A-4	0	0	100	100	80-90	55-75	30-40	5-15
		23-34	Sandy clay loam, loam	CL	A-6	0	2-8	90-95	70-90	50-70	50-65	25-35	11-20
		34-43	Loamy sand, sandy loam	SC-SM, SM	A-2	0	2-5	90-95	70-90	50-70	15-35	10-20	NP-5
		43-76	Sandy clay loam, clay loam, loam	CL	A-6	0	2-5	90-95	85-95	70-85	50-65	25-35	11-20
398:													
Tripoli---------	100	0-17	Clay loam	CL	A-6, A-7	0	0	100	100	85-95	55-75	35-45	15-25
		17-39	Loam, clay loam	CL	A-6	0	2-5	90-95	85-90	75-85	55-65	30-40	11-20
		39-60	Clay loam, sandy clay loam, loam	SC, CL	A-6	0	2-5	90-95	85-90	75-85	45-65	30-40	11-20
399:													
Readlyn---------	95	0-19	Loam	CL	A-6	0	0	100	100	85-95	55-75	30-40	15-25
		19-46	Sandy clay loam, clay loam, loam	SC, CL	A-6	0	2-5	90-95	85-90	75-85	45-65	30-40	10-20
		46-65	Sandy clay loam, loam	SC, CL	A-6	0	2-5	90-95	85-90	75-85	45-65	25-35	10-20
407B:													
Schley----------	95	0-18	Loam	CL, CL-ML	A-6, A-4	0	0	100	95-100	80-90	55-75	25-40	5-15
		18-45	Sandy loam, silty clay loam, loam	SC-SM, SC, CL, CL-ML	A-2, A-4	0	2-8	90-95	80-90	50-70	20-60	20-30	5-10
		45-60	Sandy clay loam, clay loam, loam	CL	A-6	0	2-5	90-95	85-95	70-85	50-65	25-40	10-20

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

Benton 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	
408B:													
Olin----------	100	0-20	Fine sandy loam	SC-SM, SC	A-4, A-2	0	0	100	95-100	85-95	30-50	20-30	5-10
		20-28	Sandy loam	SC-SM, SC	A-4, A-2	0	0	100	95-100	85-95	30-50	20-30	5-10
		28-53	Sandy clay loam, clay loam, loam	SC, CL	A-6	0	2-5	90-95	85-95	80-90	45-65	25-35	10-20
		53-62	Clay loam, loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	25-35	10-20
408C:													
Olin----------	100	0-20	Fine sandy loam	SC-SM, SC	A-4, A-2	0	0	100	95-100	85-95	30-50	20-30	5-10
		20-28	Sandy loam	SC-SM, SC	A-4, A-2	0	0	100	95-100	85-95	30-50	20-30	5-10
		28-53	Clay loam, sandy clay loam, loam	SC, CL	A-6	0	2-5	90-95	85-95	80-90	45-65	25-35	10-20
		53-62	Clay loam, loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	25-35	10-20
412C:													
Sogn----------	100	0-12	Loam	SC, CL	A-6	---	0-10	85-100	75-100	65-100	45-95	25-40	11-23
		12-60	Unweathered bedrock			---	---	---	---	---	---	0-14	---
412D:													
Sogn----------	100	0-12	Loam	SC, CL	A-6	---	0-10	85-100	75-100	65-100	45-95	25-40	11-23
		12-60	Unweathered bedrock			---	---	---	---	---	---	0-14	---
412F:													
Sogn----------	100	0-12	Loam	SC, CL	A-6	---	0-10	85-100	75-100	65-100	45-95	25-40	11-23
		12-60	Unweathered bedrock			---	---	---	---	---	---	0-14	---
420:													
Tama----------	100	0-15	Silty clay loam	ML	A-6, A-7	0	0	100	100	100	95-100	35-50	10-20
		15-56	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	15-25
		56-66	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.)

Benton 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	
420B:													
Tama----------	100	0-15	Silty clay loam	ML	A-7, A-6	0	0	100	100	100	95-100	35-50	10-20
		15-56	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	15-25
		56-66	Silty clay loam, silt loam	CL	A-6, A-7	0	0	100	100	100	95-100	35-45	15-25
426B:													
Aredale---------	100	0-19	Loam	CL, CL-ML	A-4, A-6	0	0	100	100	85-95	55-75	25-35	5-15
		19-27	Clay loam, loam	SC, CL	A-6	0	0-5	100	100	80-90	45-70	30-40	10-20
		27-42	Loamy sand, sandy loam	SM, SC-SM, SC	A-4, A-2	0	0-5	100	100	70-90	20-50	15-25	NP-10
		42-65	Loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	25-35	11-20
426C:													
Aredale---------	100	0-19	Loam	CL-ML, CL	A-4, A-6	0	0	100	100	85-95	55-75	25-35	5-15
		19-27	Clay loam, loam	SC, CL	A-6	0	0-5	100	100	80-90	45-70	30-40	10-20
		27-42	Loamy sand, sandy loam	SM, SC-SM, SC	A-4, A-2	0	0-5	100	100	70-90	20-50	15-25	NP-10
		42-65	Loam	CL	A-6	0	2-5	90-95	85-95	80-90	50-65	25-35	11-20
428B:													
Ely----------	95	0-34	Silt loam	CL	A-6, A-7	0	0	100	100	95-100	95-100	30-45	10-25
		34-58	Silty clay loam	ML, CL	A-6, A-7	0	0	100	100	95-100	95-100	35-50	10-25
		58-65	Silty clay loam, silt loam, loam	CL	A-6	0	0	100	100	90-100	85-100	25-40	10-20
485:													
Spillville------	95	0-52	Loam	CL	A-6	0	0	100	95-100	85-95	60-80	25-40	10-20
		52-60	Loam, sandy clay loam, sandy loam, fine sand	CL, CL-ML, SC-SM, SC	A-6, A-4	0	0	100	95-100	80-90	35-75	20-40	5-15

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

Benton 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	
536:													
Hanlon----------	95	0-10	Fine sandy loam	SM, SC-SM, SC	A-4	0	0	100	100	75-80	35-50	25-35	5-10
		10-48	Sandy loam, fine sandy loam	SM, SC, SC-SM	A-4	0	0	100	100	75-80	35-50	25-35	5-10
		48-60	Fine sandy loam, loamy fine sand, sandy loam	SC-SM, SC	A-2, A-4	0	0	100	100	75-80	25-40	15-25	5-10
727:													
Udolpho---------	100	0-16	Loam	ML, CL	A-7, A-6	0	0	100	100	90-100	70-95	30-50	10-20
		16-36	Sandy clay loam, clay loam, loam	CL, ML	A-7, A-6	---	0-2	95-100	85-100	80-95	60-85	30-50	10-20
		36-60	Very gravelly loamy sand, coarse sand, sand, gravelly coarse sand	GP, SP-SM, GP-GM, SP	A-1	---	0-3	45-90	35-85	20-45	0-10	0-14	NP
729B:													
Nodaway---------	60	0-10	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	95-100	90-100	25-35	5-15
		10-60	Silty clay loam, stratified silt loam	CL, CL-ML	A-4, A-6	0	0	100	95-100	95-100	90-100	25-40	5-15
Radford---------	30	0-10	Silt loam	CL, ML	A-4, A-6	0	0	100	100	95-100	80-100	30-40	5-15
		10-27	Stratified silt loam	CL	A-4, A-6	0	0	100	100	95-100	80-100	25-35	5-15
		27-60	Silt loam, clay loam, silty clay loam	CL	A-6, A-7	0	0	100	100	95-100	80-95	35-50	15-25

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

Benton 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	
771B:													
Waubeek---------	100	0-7	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	100	100	25-35	5-15
		7-33	Silt loam, silty clay loam	CL	A-7	0	0	100	100	100	100	40-50	15-25
		33-63	Clay loam, sandy clay loam, loam	CL	A-6	0	0-5	90-95	85-95	75-85	50-65	25-35	10-20
771C:													
Waubeek---------	100	0-7	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	100	100	25-35	5-15
		7-33	Silt loam, silty clay loam	CL	A-7	0	0	100	100	100	100	40-50	15-25
		33-63	Clay loam, sandy clay loam, loam	CL	A-6	0	0-5	90-95	85-95	75-85	50-65	25-35	10-20
771C2:													
Waubeek---------	100	0-7	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	100	100	25-35	5-15
		7-33	Silt loam, silty clay loam	CL-ML, CL	A-4, A-6	0	0	100	100	100	100	25-35	5-15
		33-60	Sandy clay loam, clay loam, loam	ML	A-6	0	0-5	90-95	85-95	75-85	50-65	25-35	---
778:													
Sattre----------	100	0-13	Loam	CL, ML, CL-ML	A-4	0	0	100	90-100	70-90	50-75	25-35	5-10
		13-35	Sandy clay loam, clay loam, loam	SC-SM, SC, CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	70-95	40-60	20-35	5-15
		35-60	Gravelly coarse sand, gravelly sand, sand	SM, SW, SP, SP-SM	A-1	0	2-10	70-90	50-85	20-40	3-25	0-14	NP

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

Benton 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	
778B:													
Sattre----------	100	0-13	Loam	CL-ML, ML, CL	A-4	0	0	100	90-100	70-90	50-75	25-35	5-10
		13-35	Clay loam, sandy clay loam, loam	SC-SM, SC, CL, CL-ML	A-4, A-6	0	0-5	85-100	80-100	70-95	40-60	20-35	5-15
		35-60	Gravelly coarse sand, gravelly sand, sand	SW, SP-SM, SM, SP	A-1	0	2-10	70-90	50-85	20-40	3-25	0-14	NP
782B:													
Donnan----------	95	0-8	Silt loam	CL, ML	A-6, A-4	0	0	100	100	85-95	65-80	30-40	5-15
		8-25	Silty clay loam, clay loam, loam	CL	A-6	0	0-5	95-100	90-95	80-90	60-75	30-40	10-20
		25-60	Clay, silty clay	CH	A-7	0	0-5	95-100	90-95	80-90	60-75	55-70	30-40
782C2:													
Donnan----------	95	0-8	Silt loam	ML, CL	A-6, A-4	0	0	100	100	85-95	65-80	30-40	5-15
		8-25	Silty clay loam, clay loam, loam	CL	A-6	0	0-5	95-100	90-95	80-90	60-75	30-40	10-20
		25-60	Clay, silty clay	CH	A-7	0	0-5	95-100	90-95	80-90	60-75	55-70	30-40
1043:													
Bremer----------	100	0-20	Silty clay loam	CH, CL	A-7	0	0	100	100	100	95-100	45-60	25-40
		20-47	Silty clay loam	CH, CL	A-7	0	0	100	100	100	95-100	45-55	20-30
		47-60	Loamy sand, sand, loamy coarse sand	SP, SP-SM	A-2, A-1, A-3	0	0	85-95	60-90	40-60	3-12	15-20	NP-5

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Benton 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	
1088:													
Nevin----------	95	0-17	Silty clay loam	CL	A-6, A-7	0	0	100	100	100	90-95	35-45	11-20
		17-44	Silty clay loam	CL	A-7	0	0	100	100	95-100	90-95	40-50	20-30
		44-55	Sandy loam, loam	SC-SM, SC, CL-ML, CL	A-6, A-4	0	0	100	95-100	80-90	35-70	20-30	5-15
		55-60	Sand, sandy loam, loamy sand	SM, SC-SM	A-3, A-2	0	0	100	95-100	80-90	5-20	15-20	NP-5
1119:													
Muscatine-------	95	0-20	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	15-25
		20-46	Silty clay loam	CL	A-7	0	0	100	100	100	95-100	40-50	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
1133:													
Colo----------	95	0-38	Silty clay loam	CH, CL	A-7	0	0	100	100	90-100	90-100	40-60	15-30
		38-60	Silty clay loam	CL, CH	A-7	0	0	100	100	90-100	90-100	40-55	20-30
		60-64	Silt loam, clay loam, silty clay loam	CH, CL	A-7	0	0	100	100	95-100	80-100	40-55	15-30
1160:													
Walford---------	100	0-16	Silt loam	CL	A-6	0	0	100	100	100	95-100	25-35	10-20
		16-47	Silty clay loam	CL, CH	A-7	0	0	100	100	100	90-100	45-55	20-30
		47-60	Very gravelly loamy sand, loamy sand, sand, gravelly loamy sand	SW, SP, SP-SM, SW-SM	A-1, A-3, A-2-4	0	0-5	90-95	85-95	40-60	3-10	---	NP
1291:													
Atterberry------	95	0-14	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	95-100	25-40	5-15
		14-48	Silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	95-100	25-35	5-15
		48-60	Silty clay loam, silt loam	CH, CL	A-6, A-7	0	0	100	100	95-100	95-100	35-55	15-30

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Benton County, Iowa

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		In				Pct	Pct					Pct	
1485:													
Spillville------	90	0-52	Loam	CL	A-6	0	0	100	95-100	85-95	60-80	25-40	10-20
		52-60	Sandy clay loam, sandy loam, loam, fine sand	SC-SM, SC, CL-ML, CL	A-6, A-4	0	0	100	95-100	80-90	35-75	20-40	5-15
1688:													
Koszta----------	95	0-13	Silt loam	CL	A-6	0	0	100	100	100	90-95	30-40	10-20
		13-51	Silty clay loam	CL	A-7	0	0	100	100	95-100	90-95	40-50	20-30
		51-60	Sand, loamy sand, sandy loam	SM, SC-SM	A-2, A-3	0	0	100	95-100	80-90	3-20	15-20	NP-5
5030:													
Pits, Limestone Quarry---------	100	---	---	---	---	---	---	---	---	---	---	---	---
5040:													
Orthents--------	100	---	---	---	---	---	---	---	---	---	---	---	---