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

Hancock 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	
6:													
Okoboji---------	95	0-9	Silty clay loam	CH	A-7	0	0	100	100	90-100	80-95	55-65	30-40
		9-36	Silty clay loam, silty clay	CH	A-7	0	0	100	100	90-100	80-95	55-65	30-40
		36-46	Silty clay loam, silty clay	CH	A-7	0	0	95-100	95-100	90-100	80-95	55-65	30-40
		46-60	Stratified loam to silty clay loam	CH, CL	A-7	0	0-5	95-100	90-100	90-100	75-90	45-55	20-30
28:													
Dickman---------	95	0-17	Sandy loam	SM, SC-SM, SC	A-2, A-4	0	0	95-100	95-100	55-95	25-40	20-30	2-8
		17-35	Sandy loam, fine sandy loam, loamy sand	SM, SC, SC-SM	A-2, A-4	0	0	95-100	85-100	55-95	25-45	15-25	2-8
		35-60	Sand, fine sand	SM, SP, SP-SM	A-3, A-2	0	0	85-100	85-100	50-95	2-30	0-14	NP
28B:													
Dickman---------	95	0-17	Sandy loam	SM, SC-SM, SC	A-2, A-4	0	0	95-100	95-100	55-95	25-40	20-30	2-8
		17-35	Sandy loam, fine sandy loam, loamy sand	SC-SM, SC, SM	A-2, A-4	0	0	95-100	85-100	55-95	25-45	15-25	2-8
		35-60	Sand, fine sand	SM, SP, SP-SM	A-3, A-2	0	0	85-100	85-100	50-95	2-30	0-14	NP
28D2:													
Dickman---------	95	0-17	Sandy loam	SM, SC-SM, SC	A-2, A-4	0	0	95-100	95-100	55-95	25-40	20-30	2-8
		17-35	Sandy loam, fine sandy loam, loamy sand	SC, SM, SC-SM	A-2, A-4	0	0	95-100	85-100	55-95	25-45	15-25	2-8
		35-60	Sand, fine sand	SM, SP, SP-SM	A-3, A-2	0	0	85-100	85-100	50-95	2-30	0-14	NP

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

Hancock 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	
52B:													
Bode----------	95	0-18	Clay loam	CL	A-7, A-6	0	0	95-100	95-100	75-90	55-80	35-50	15-25
		18-28	Clay loam	CL	A-7, A-6	0	0	95-100	90-100	75-90	55-80	35-50	15-25
		28-60	Loam, clay loam	CL, CL-ML	A-6, A-4	0	0-5	90-100	90-95	75-90	50-75	25-40	5-15
52C2:													
Bode----------	95	0-6	Clay loam	CL	A-7, A-6	0	0	95-100	95-100	75-90	55-80	35-50	15-25
		6-30	Clay loam	CL	A-6, A-7	0	0	95-100	90-100	75-90	55-80	35-50	15-25
		30-60	Loam, clay loam	CL, CL-ML	A-4, A-6	0	0-5	90-100	90-95	75-90	50-75	25-40	5-15
52D2:													
Bode----------	95	0-6	Clay loam	CL	A-7, A-6	0	0	95-100	95-100	75-90	55-80	35-50	15-25
		6-30	Clay loam	CL	A-7, A-6	0	0	95-100	90-100	75-90	55-80	35-50	15-25
		30-60	Loam, clay loam	CL-ML, CL	A-6, A-4	0	0-5	90-100	90-95	75-90	50-75	25-40	5-15
52E2:													
Bode----------	95	0-6	Clay loam	CL	A-6, A-7	0	0	95-100	95-100	75-90	55-80	35-50	15-25
		6-30	Clay loam	CL	A-6, A-7	0	0	95-100	90-100	75-90	55-80	35-50	15-25
		30-60	Loam, clay loam	CL, CL-ML	A-4, A-6	0	0-5	90-100	90-95	75-90	50-75	25-40	5-15
55:													
Nicollet--------	95	0-20	Loam	CL	A-7, A-6	0-1	0-5	95-100	90-100	85-100	55-85	30-45	10-25
		20-41	Clay loam, loam, silty clay loam	CL	A-7, A-6	0-1	0-5	95-100	90-100	80-95	55-80	35-50	15-25
		41-60	Loam, clay loam	CL	A-6	0-1	0-5	95-100	90-100	75-90	50-75	30-40	15-25
72:													
Estherville-----	95	0-14	Loam	CL-ML, CL	A-4, A-6	0	0-5	90-100	80-100	50-75	50-60	25-40	4-15
		14-20	Sandy loam, loam, coarse sandy loam	SC, SM, SC-SM	A-1, A-4, A-2	0	0-5	85-100	80-95	40-75	15-45	20-30	2-8
		20-60	Coarse sand, gravelly coarse sand, gravelly loamy coarse sand	SP, GP, SM, SP-SM	A-1	0	0-10	55-90	50-85	10-40	2-25	0-14	NP

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Hancock 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	
72B:													
Estherville-----	90	0-14	Loam	CL, CL-ML	A-4, A-6	0	0-5	90-100	80-100	50-75	50-60	25-40	4-15
		14-20	Sandy loam, loam, coarse sandy loam	SM, SC-SM, SC	A-1, A-4, A-2	0	0-5	85-100	80-95	40-75	15-45	20-30	2-8
		20-60	Coarse sand, gravelly coarse sand, loamy coarse sand	SM, GP, SP-SM, SP	A-1	0	0-10	55-90	50-85	10-40	2-25	0-14	NP
72C2:													
Estherville-----	90	0-14	Loam	CL-ML, CL	A-4, A-6	0	0-5	90-100	80-100	50-75	50-60	25-40	4-15
		14-20	Sandy loam, loam, coarse sandy loam	SM, SC-SM, SC	A-1, A-4, A-2	0	0-5	85-100	80-95	40-75	15-45	20-30	2-8
		20-60	Coarse sand, gravelly coarse sand, loamy coarse sand	GP, SM, SP, SP-SM	A-1	0	0-10	55-90	50-85	10-40	2-25	---	NP
72D2:													
Estherville-----	90	0-14	Loam	CL-ML, CL	A-4, A-6	0	0-5	90-100	80-100	50-75	50-60	25-40	4-15
		14-20	Sandy loam, loam, coarse sandy loam	SM, SC-SM, SC	A-1, A-4, A-2	0	0-5	85-100	80-95	40-75	15-45	20-30	2-8
		20-60	Coarse sand, gravelly coarse sand, loamy coarse sand	SP, SP-SM, SM, GP	A-1	0	0-10	55-90	50-85	10-40	2-25	---	NP

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

Hancock 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	Plas-ticity index
		In				Pct	Pct					Pct	
73C2:													
Salida----------	100	0-7	Very gravelly loamy sand, gravelly sandy loam	SP-SM, SM	A-1, A-2	0-1	0-5	85-95	60-75	30-60	12-20	---	NP
		7-15	Very gravelly loamy sand, gravelly loamy sand, gravelly coarse sand, gravelly loamy coarse sand	SW, SP	A-1	0-1	0-5	50-90	40-60	10-30	0-5	---	NP
		15-60	Very gravelly loamy sand, very gravelly coarse sand, very gravelly sand	SW, SP, GP-GM, GP	A-1	0-1	0-5	20-70	10-60	5-30	0-5	---	NP
90:													
Okoboji---------	90	0-9	Mucky silt loam	MH	A-7	0	0	100	100	95-100	90-95	60-90	10-30
		9-29	Silty clay loam, silty clay	CH	A-7	0	0	100	100	90-100	80-95	55-65	30-40
		29-39	Silty clay loam, silty clay	CH	A-7	0	0	95-100	95-100	90-100	80-95	55-65	30-40
		39-60	Silty clay, silty clay loam	CH, CL	A-7	0	0-5	95-100	90-100	90-100	75-90	45-55	20-30
95:													
Harps----------	95	0-18	Loam	CL	A-6, A-7	0	0-5	95-100	95-100	80-90	65-80	30-45	10-25
		18-42	Loam, clay loam, sandy clay loam	CL, CH	A-6, A-7	0	0-5	95-100	95-100	80-90	65-80	30-60	15-35
		42-60	Loam, sandy clay loam, clay loam	CL	A-6	0	0-5	95-100	90-100	70-80	50-75	25-40	10-25

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

Hancock 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	
107:													
Webster---------	95	0-21	Clay loam	CH, CL	A-7, A-6	0	0-5	95-100	95-100	85-95	70-90	35-60	15-30
		21-42	Clay loam, silty clay loam, loam	CL	A-7, A-6	0	0-5	95-100	95-100	85-95	60-80	35-50	15-30
		42-60	Loam, sandy loam, clay loam	CL	A-6	0	0-5	95-100	90-100	75-85	50-75	30-40	10-20
135:													
Coland----------	100	0-8	Clay loam	CL	A-6, A-7	0	0	100	100	95-100	65-80	35-50	15-25
		8-60	Clay loam, silty clay loam	CL	A-6, A-7	0	0	100	100	95-100	65-80	35-50	15-25
138B:													
Clarion---------	95	0-21	Loam	CL, CL-ML	A-4, A-6	0	0-5	95-100	95-100	75-90	50-75	25-40	5-15
		21-45	Loam, clay loam	CL, CL-ML	A-4, A-6	0	0-5	90-100	85-100	75-90	50-75	25-40	5-15
		45-60	Loam, sandy loam	CL-ML, SC-SM, SC, CL	A-4, A-6	0	0-5	90-100	85-100	75-90	45-70	25-40	5-15
138C2:													
Clarion---------	95	0-7	Loam	CL-ML, CL	A-6, A-4	0	0-5	95-100	95-100	75-90	50-75	25-40	5-15
		7-21	Loam, silt loam	CL-ML, CL	A-6, A-4	0	0-5	95-100	95-100	75-90	50-75	25-40	5-15
		21-45	Loam, clay loam	CL, CL-ML	A-6, A-4	0	0-5	90-100	85-100	75-90	50-75	25-40	5-15
		45-60	Loam, sandy loam	CL-ML, SC, SC-SM, CL	A-6, A-4	0	0-5	90-100	85-100	75-90	45-70	25-40	5-15
138D2:													
Clarion---------	95	0-7	Loam	CL, CL-ML	A-4, A-6	0	0-5	95-100	95-100	75-90	50-75	25-40	5-15
		7-21	Loam, silt loam	CL-ML, CL	A-4, A-6	0	0-5	95-100	95-100	75-90	50-75	25-40	5-15
		21-45	Loam, clay loam	CL, CL-ML	A-4, A-6	0	0-5	90-100	85-100	75-90	50-75	25-40	5-15
		45-60	Loam, sandy loam	SC-SM, SC, CL-ML, CL	A-4, A-6	0	0-5	90-100	85-100	75-90	45-70	25-40	5-15

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

Hancock 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----------	90	0-21	Loam	CL, ML	A-6, A-4	0	0	100	100	85-95	50-70	30-40	5-15
		21-36	Loam, fine sandy loam	SC-SM, CL, SC, CL-ML	A-6, A-4	0	0	100	100	80-90	40-55	25-35	5-15
		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----------	95	0-21	Loam	ML, CL	A-4, A-6	0	0	100	100	85-95	50-70	30-40	5-15
		21-36	Loam, fine sandy loam	CL-ML, SC-SM, SC, CL	A-4, A-6	0	0	100	100	80-90	40-55	25-35	5-15
		36-60	Loamy fine sand, fine sand	SM, SP-SM	A-2	0	0	100	100	70-85	10-30	0-14	NP
221:													
Palms----------	100	0-32	Muck	PT	A-8	0	0	100	100	---	---	---	---
		32-60	Silt loam, clay loam, silty clay loam, gravelly sandy loam	SC, SC-SM, CL, CL-ML	A-2, A-6, A-4, A-7	0	0	85-100	60-100	35-95	15-90	20-45	5-20
224:													
Linder----------	95	0-21	Sandy loam	SC-SM, SC, ML, SM	A-4	0	0	100	95-100	80-95	35-55	20-30	NP-10
		21-28	Sandy loam	SC-SM, SC	A-4, A-2	0	0	95-100	80-100	45-75	30-45	20-30	5-10
		28-60	Gravelly sand, gravelly loamy sand, loamy coarse sand	SP, SP-SM	A-1	0	0-5	75-95	30-95	25-50	2-12	0-14	NP
236B:													
Lester----------	95	0-7	Loam	CL, ML	A-6, A-4	0	0-5	95-100	90-100	80-95	50-70	30-40	5-15
		7-38	Clay loam, loam	CL	A-7, A-6	0-1	0-5	95-100	90-100	80-95	55-75	35-50	15-25
		38-60	Loam, clay loam	CL	A-6	0-1	0-5	95-100	90-100	75-90	50-70	30-40	10-20

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Hancock 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	
236C2:													
Lester----------	95	0-7	Loam	CL, ML	A-4, A-6	0	0-5	95-100	90-100	80-95	50-70	30-40	5-15
		7-38	Clay loam, loam	CL	A-6, A-7	0-1	0-5	95-100	90-100	80-95	55-75	35-50	15-25
		38-60	Loam, clay loam	CL	A-6	0-1	0-5	95-100	90-100	75-90	50-70	30-40	10-20
236D2:													
Lester----------	95	0-7	Loam	ML, CL	A-4, A-6	0	0-5	95-100	90-100	80-95	50-70	30-40	5-15
		7-38	Clay loam, loam	CL	A-6, A-7	0-1	0-5	95-100	90-100	80-95	55-75	35-50	15-25
		38-60	Loam, clay loam	CL	A-6	0-1	0-5	95-100	90-100	75-90	50-70	30-40	10-20
236F:													
Lester----------	90	0-7	Loam	CL, ML	A-4, A-6	0	0-5	95-100	90-100	80-95	50-70	30-40	5-15
		7-38	Clay loam, loam	CL	A-6, A-7	0-1	0-5	95-100	90-100	80-95	55-75	35-50	15-25
		38-60	Loam, clay loam	CL	A-6	0-1	0-5	95-100	90-100	75-90	50-70	30-40	10-20
259:													
Biscay----------	95	0-18	Loam, clay loam	CL, ML	A-7, A-6	0	0	95-100	95-100	70-95	50-80	35-50	10-25
		18-31	Loam, clay loam, sandy clay loam	ML, CL	A-7, A-6	0	0	95-100	90-100	70-90	50-75	30-50	10-20
		31-36	Very gravelly loamy sand, gravelly loam, sandy loam, gravelly sandy loam	SM, SC-SM, SC	A-4	0	0-5	95-100	70-95	50-80	35-50	15-30	2-10
		36-60	Stratified gravelly coarse sand to loamy sand	SP, GP, SP-SM, GP-GM	A-1	0	0-5	45-95	35-95	20-45	2-10	---	NP
274:													
Rolfe----------	100	0-21	Silty clay loam	CL	A-6	0	0	100	95-100	90-100	80-95	30-40	10-15
		21-41	Clay, silty clay, clay loam	CH	A-7	0	0	100	95-100	90-100	75-95	50-65	25-35
		41-60	Clay loam, loam	CL	A-7, A-6	0	0	95-100	90-100	80-90	55-75	30-45	10-20

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Hancock 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	Plas-ticity index
		In				Pct	Pct					Pct	
288:													
Ottosen---------	95	0-19	Clay loam	CH, CL	A-7	0	0	95-100	95-100	90-100	65-85	40-55	20-30
		19-35	Clay loam, silty clay loam	CH, CL	A-7	0	0	95-100	95-100	90-100	65-85	40-55	20-30
		35-60	Loam	CL	A-6, A-4	0	0-5	90-100	90-100	80-95	60-75	25-40	8-20
308:													
Wadena----------	100	0-18	Loam	ML	A-4	0	0	95-100	90-100	75-95	50-65	25-40	2-10
		18-33	Loam, sandy loam, sandy clay loam	CL, ML, SM, SC	A-4, A-6	0	0	95-100	80-100	75-95	40-60	25-40	5-12
		33-60	Stratified gravelly coarse sand to sand	GP-GM, GP, SP, SP-SM	A-1, A-3, A-2	0-3	0-5	45-100	35-100	10-80	2-10	0-14	NP
308B:													
Wadena----------	100	0-18	Loam	ML	A-4	0	0	95-100	90-100	75-95	50-65	25-40	2-10
		18-33	Loam, sandy loam, sandy clay loam	SC, CL, SM, ML	A-4, A-6	0	0	95-100	80-100	75-95	40-60	25-40	5-12
		33-60	Stratified gravelly coarse sand to sand	GP-GM, SP, GP, SP-SM	A-1, A-3, A-2	0-3	0-5	45-100	35-100	10-80	2-10	0-14	NP
335:													
Harcot----------	95	0-9	Clay loam	CH, MH, CL, ML	A-7, A-6	0	0	95-100	90-95	80-90	55-75	35-55	15-25
		9-32	Loam, clay loam, sandy clay loam	CL	A-6	0	0	95-100	90-95	75-85	55-75	30-40	10-20
		32-60	Fine sand, loamy fine sand, gravelly sand	SM, SP, SP-SM	A-1	0	0-5	80-95	55-95	40-50	3-25	0-14	NP

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Hancock 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	
348:													
Fieldon---------	85	0-21	Loam	ML	A-4	0	0	100	100	85-95	50-75	20-35	NP-10
		21-36	Fine sandy loam, very fine sandy loam, loam	SM, ML	A-4	0	0	100	100	70-90	35-60	15-30	NP-5
		36-60	Stratified fine sand to fine sandy loam	SM	A-2, A-4	0	0	100	100	60-100	15-40	0-14	NP
384:													
Collinwood------	95	0-18	Silty clay loam	CL, ML, CH, MH	A-7	0	0	100	100	95-100	90-95	40-55	15-25
		18-36	Silty clay, clay, silty clay loam	MH, CH	A-7	0	0	100	100	95-100	90-95	50-65	20-35
		36-60	Silty clay, clay, silty clay loam	CH, CL	A-7	0	0	100	100	95-100	90-95	40-60	15-30
384B:													
Collinwood------	95	0-18	Silty clay loam	CH, MH, CL, ML	A-7	0	0	100	100	95-100	90-95	40-55	15-25
		18-36	Silty clay, clay, silty clay loam	CH, MH	A-7	0	0	100	100	95-100	90-95	50-65	20-35
		36-60	Silty clay, clay, silty clay loam	CH, CL	A-7	0	0	100	100	95-100	90-95	40-60	15-30
388:													
Kossuth---------	95	0-20	Silty clay loam	CL	A-7	0	0	95-100	95-100	80-85	75-85	40-50	20-30
		20-30	Silty clay loam, clay loam, clay	CL, CH	A-7	0	0	95-100	95-100	80-85	75-85	45-65	25-35
		30-60	Loam	CL	A-4, A-6	0	0-5	95-100	90-100	70-85	50-70	25-40	8-20

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

Hancock 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	
390:													
Waldorf---------	95	0-21	Silty clay	MH, ML	A-7	0	0	100	100	95-100	90-100	45-65	14-30
		21-37	Silty clay, silty clay loam	MH	A-7	0	0	100	100	95-100	95-100	50-70	20-35
		37-60	Silty clay loam, silty clay, silt loam	CL, MH, CH, ML	A-6, A-7	0	0	100	100	95-100	90-100	35-65	11-30
485B:													
Spillville------	95	0-60	Loam	CL	A-6	0	0	100	95-100	85-95	60-80	25-40	10-20
506:													
Wacousta--------	95	0-15	Silty clay loam	CL, CH	A-7	0	0	100	100	95-100	95-100	40-65	20-40
		15-24	Silty clay loam, silt loam	CH, CL	A-7	0	0	100	100	90-100	90-100	40-60	20-35
		24-60	Silt loam, silty clay loam	CL, ML	A-6, A-4	0	0-5	95-100	95-100	85-100	80-90	30-40	5-15
507:													
Canisteo--------	95	0-21	Clay loam	CL, OL	A-7	0	0	95-100	95-100	85-100	60-100	40-50	15-20
		21-43	Clay loam, loam, sandy loam	SC, ML, SM, CL	A-6, A-4	0	0-5	90-100	80-95	60-90	40-80	30-40	5-15
		43-60	Clay loam, loam	CL	A-6	0	0-5	95-100	90-98	80-95	50-75	30-40	12-20
511:													
Blue Earth------	100	0-7	Mucky silt loam	OL, ML	A-5	0	0	95-100	95-100	85-95	80-95	41-50	2-8
		7-60	Mucky silty clay loam, clay loam, mucky silt loam	ML, OL	A-5	0	0	95-100	80-100	80-95	80-95	41-50	2-8

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Hancock 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	
524:													
Linder----------	95	0-21	Sandy loam	SM, SC-SM, SC, ML	A-4	0	0	100	95-100	80-95	35-55	20-30	NP-10
		21-39	Sandy loam	SC-SM, SC	A-2, A-4	0	0	95-100	80-100	45-75	30-45	20-30	5-10
		39-60	Gravelly sand, gravelly loamy sand, loamy coarse sand	SP, SP-SM	A-1	0	0-5	75-95	30-95	25-50	2-12	0-14	NP
562D2:													
Storden---------	90	0-7	Clay loam	CL	A-6	0	0-5	95-100	95-100	70-85	55-70	30-40	10-15
		7-60	Loam, clay loam	CL-ML, CL	A-4, A-6	0-1	0-5	95-100	85-97	70-85	55-70	20-40	5-15
562E2:													
Storden---------	95	0-7	Clay loam	CL	A-6	0	0-5	95-100	95-100	70-85	55-70	30-40	10-15
		7-60	Loam, clay loam	CL-ML, CL	A-6, A-4	0-1	0-5	95-100	85-97	70-85	55-70	20-40	5-15
562F2:													
Storden---------	100	0-7	Clay loam	CL	A-6	0	0-5	95-100	95-100	70-85	55-70	30-40	10-15
		7-60	Loam, clay loam	CL-ML, CL	A-4, A-6	0-1	0-5	95-100	85-97	70-85	55-70	20-40	5-15
621:													
Houghton--------	100	0-60	Muck	PT	A-8	0	0	100	100	---	---	---	---
640C2:													
Sunburg---------	90	0-7	Sandy loam	SM, SC, SC-SM	A-2, A-4	0	0-5	85-95	75-95	50-80	30-50	15-30	2-10
		7-60	Loam, fine sandy loam, sandy loam	SM, SC, CL, ML	A-4, A-2, A-6	0	0-5	85-95	75-95	50-85	25-60	15-33	3-12
640D2:													
Sunburg---------	90	0-7	Sandy loam	SM, SC-SM, SC	A-4, A-2	0	0-5	85-95	75-95	50-80	30-50	15-30	2-10
		7-60	Loam, fine sandy loam, sandy loam	SM, ML, SC, CL	A-2, A-6, A-4	0	0-5	85-95	75-95	50-85	25-60	15-33	3-12

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Hancock 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	
640E2:													
Sunburg---------	90	0-7	Sandy loam	SM, SC-SM, SC	A-2, A-4	0	0-5	85-95	75-95	50-80	30-50	15-30	2-10
		7-60	Loam, fine sandy loam, sandy loam	SM, SC, CL, ML	A-6, A-2, A-4	0	0-5	85-95	75-95	50-85	25-60	15-33	3-12
640F2:													
Sunburg---------	95	0-7	Sandy loam	SM, SC-SM, SC	A-4, A-2	0	0-5	85-95	75-95	50-80	30-50	15-30	2-10
		7-60	Loam, fine sandy loam, sandy loam	ML, SM, SC, CL	A-4, A-2, A-6	0	0-5	85-95	75-95	50-85	25-60	15-33	3-12
641B:													
Clarion---------	60	0-21	Loam	CL-ML, CL	A-6, A-4	0	0-5	95-100	95-100	75-90	50-75	25-40	5-15
		21-45	Loam, clay loam	CL, CL-ML	A-6, A-4	0	0-5	90-100	85-100	75-90	50-75	25-40	5-15
		45-60	Loam, sandy loam	SC-SM, CL, SC, CL-ML	A-6, A-4	0	0-5	90-100	85-100	75-90	45-70	25-40	5-15
Sunburg---------	40	0-7	Sandy loam	SC-SM, SC, SM	A-4, A-2	0	0-5	85-95	75-95	50-80	30-50	15-30	2-10
		7-60	Loam, fine sandy loam, sandy loam	SC, CL, ML, SM	A-2, A-4, A-6	0	0-5	85-95	75-95	50-85	25-60	15-33	3-12
641C2:													
Clarion---------	60	0-7	Loam	CL-ML, CL	A-6, A-4	0	0-5	95-100	95-100	75-90	50-75	25-40	5-15
		7-21	Loam, silt loam	CL, CL-ML	A-6, A-4	0	0-5	95-100	95-100	75-90	50-75	25-40	5-15
		21-45	Loam, clay loam	CL, CL-ML	A-6, A-4	0	0-5	90-100	85-100	75-90	50-75	25-40	5-15
		45-60	Loam, sandy loam	SC-SM, SC, CL, CL-ML	A-4, A-6	0	0-5	90-100	85-100	75-90	45-70	25-40	5-15
Sunburg---------	40	0-7	Sandy loam	SM, SC, SC-SM	A-2, A-4	0	0-5	85-95	75-95	50-80	30-50	15-30	2-10
		7-60	Loam, fine sandy loam, sandy loam	SM, SC, CL, ML	A-2, A-6, A-4	0	0-5	85-95	75-95	50-85	25-60	15-33	3-12

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Hancock 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	Plas-ticity index
		In				Pct	Pct					Pct	
641D2:													
Clarion---------	55	0-7	Loam	CL-ML, CL	A-6, A-4	0	0-5	95-100	95-100	75-90	50-75	25-40	5-15
		7-21	Loam, silt loam	CL, CL-ML	A-6, A-4	0	0-5	95-100	95-100	75-90	50-75	25-40	5-15
		21-45	Loam, clay loam	CL, CL-ML	A-6, A-4	0	0-5	90-100	85-100	75-90	50-75	25-40	5-15
		45-60	Loam, sandy loam	CL, SC, CL-ML, SC-SM	A-6, A-4	0	0-5	90-100	85-100	75-90	45-70	25-40	5-15
Sunburg---------	45	0-7	Sandy loam	SM, SC, SC-SM	A-4, A-2	0	0-5	85-95	75-95	50-80	30-50	15-30	2-10
		7-60	Loam, fine sandy loam, sandy loam	SM, ML, SC, CL	A-4, A-2, A-6	0	0-5	85-95	75-95	50-85	25-60	15-33	3-12
641E2:													
Clarion---------	55	0-7	Loam	CL-ML, CL	A-4, A-6	0	0-5	95-100	95-100	75-90	50-75	25-40	5-15
		7-21	Loam, silt loam	CL-ML, CL	A-4, A-6	0	0-5	95-100	95-100	75-90	50-75	25-40	5-15
		21-45	Loam, clay loam	CL, CL-ML	A-4, A-6	0	0-5	90-100	85-100	75-90	50-75	25-40	5-15
		45-60	Loam, sandy loam	SC-SM, CL-ML, CL, SC	A-4, A-6	0	0-5	90-100	85-100	75-90	45-70	25-40	5-15
Sunburg---------	45	0-7	Sandy loam	SC, SC-SM, SM	A-2, A-4	0	0-5	85-95	75-95	50-80	30-50	15-30	2-10
		7-60	Loam, fine sandy loam, sandy loam	ML, CL, SC, SM	A-2, A-6, A-4	0	0-5	85-95	75-95	50-85	25-60	15-33	3-12
642D2:													
Sunburg---------	55	0-7	Sandy loam	SC-SM, SM, SC	A-4, A-2	0	0-5	85-95	75-95	50-80	30-50	15-30	2-10
		7-60	Loam, fine sandy loam, sandy loam	SM, SC, CL, ML	A-4, A-2, A-6	0	0-5	85-95	75-95	50-85	25-60	15-33	3-12

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

Hancock 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	
Salida----------	40	0-7	Very gravelly loamy sand, gravelly sandy loam	SP-SM, SM	A-1, A-2	0-1	0-5	85-95	60-75	30-60	12-20	---	NP
		7-15	Very gravelly loamy sand, gravelly loamy sand, gravelly coarse sand, gravelly loamy coarse sand	SP, SW	A-1	0-1	0-5	50-90	40-60	10-30	0-5	---	NP
		15-60	Very gravelly loamy sand, very gravelly coarse sand, very gravelly sand	SW, SP, GP-GM, GP	A-1	0-1	0-5	20-70	10-60	5-30	0-5	---	NP
654:													
Corwith---------	95	0-17	Loam	ML	A-4	0	0	100	100	95-100	70-90	20-40	NP-10
		17-30	Loam, silt loam	ML	A-4	0	0	100	100	95-100	70-95	20-40	NP-10
		30-60	Silt loam, very fine sandy loam	ML	A-4	0	0	100	100	90-100	65-95	20-30	NP-5
655:													
Crippin---------	95	0-19	Loam	CL	A-6, A-7	0	0	95-100	95-100	80-90	60-80	30-45	10-20
		19-34	Loam, clay loam	CL	A-6	0	0-5	95-100	90-100	80-90	60-80	30-40	10-20
		34-60	Loam, clay loam	CL	A-6	0	2-5	90-100	85-100	75-90	55-80	30-40	10-20

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Hancock 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	
658:													
Mayer----------	95	0-17	Loam	ML, CL	A-4, A-6	0	0-2	95-100	85-100	70-90	50-85	30-40	5-20
		17-28	Sandy clay loam, silt loam, clay loam	SC-SM	A-2	0	0-10	65-95	45-85	20-45	2-10	30-40	5-15
		28-60	Very gravelly loamy sand, gravelly coarse sand, sand, coarse sand	SP-SM, SP, SW	A-1	0-1	0-10	65-95	45-85	20-45	2-10	15-20	NP
659:													
Mayer----------	95	0-21	Loam	CL, ML	A-6, A-4	0	0-2	95-100	85-100	70-90	50-85	30-40	5-20
		21-37	Gravelly sandy clay loam, silt loam, clay loam	SC-SM	A-2	0	0-10	65-95	65-85	20-45	2-10	30-40	5-15
		37-60	Very gravelly loamy sand, gravelly coarse sand, sand, coarse sand	SP-SM, SP, SW	A-1	0-1	0-10	65-95	45-85	20-45	2-10	15-20	NP
787B:													
Vinje----------	95	0-9	Silty clay loam	MH, CL, ML, CH	A-7	0	0	100	100	95-100	95-100	40-55	15-25
		9-43	Silty clay, silty clay loam	CL, CH	A-7	0	0	100	100	95-100	95-100	40-60	15-30
		43-60	Clay loam, loam, silty clay loam	SC, CL	A-6	0	0-5	90-100	85-95	75-90	45-70	25-40	10-20

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

Hancock 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	
787C2:													
Vinje----------	95	0-9	Silty clay loam	MH, CL, CH, ML	A-7	0	0	100	100	95-100	95-100	40-55	15-25
		9-43	Silty clay, silty clay loam	CH, CL	A-7	0	0	100	100	95-100	95-100	40-60	15-30
		43-60	Clay loam, loam, silty clay loam	SC, CL	A-6	0	0-5	90-100	85-95	75-90	45-70	25-40	10-20
811:													
Muskego---------	100	0-9	Muck	PT	A-8	0	0	100	100	---	---	---	---
		9-28	Muck	PT	A-8	0	0	100	100	---	---	---	---
		28-60	Highly decomposed plant material	ML, OL	A-5	0	0	95-100	95-100	85-100	75-96	40-50	2-8
823:													
Ridgeport-------	100	0-19	Sandy loam	SM, SC-SM, SC	A-4, A-2	0	0	95-100	90-100	70-90	25-50	15-30	2-10
		19-29	Sandy loam, gravelly sandy loam	SM, SC-SM, SC	A-4, A-2	0	0	95-100	85-100	65-85	20-45	15-30	2-10
		29-60	Very gravelly loamy sand, gravelly loamy sand, gravelly sand, sand	SW-SM, SW, SP-SM, SP	A-1	0	0-5	80-95	75-95	35-50	2-10	15-25	NP-6
823B:													
Ridgeport-------	100	0-19	Sandy loam	SM, SC-SM, SC	A-2, A-4	0	0	95-100	90-100	70-90	25-50	15-30	2-10
		19-29	Sandy loam, gravelly sandy loam	SM, SC-SM, SC	A-2, A-4	0	0	95-100	85-100	65-85	20-45	15-30	2-10
		29-60	Very gravelly loamy sand, gravelly loamy sand, gravelly sand, sand	SW-SM, SW, SP-SM, SP	A-1	0	0-5	80-95	75-95	35-50	2-10	15-25	NP-6

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Hancock 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	
836B:													
Kilkenny--------	100	0-7	Clay loam	ML, MH	A-7	0	0	95-100	95-100	80-95	70-85	40-60	10-25
		7-42	Clay loam, clay, silty clay loam	CH, MH	A-7	0	0	95-100	90-100	80-95	65-80	50-70	25-35
		42-60	Clay loam, loam	ML, CL	A-7, A-6	0	0-5	95-100	90-100	75-90	60-75	35-50	10-25
836C2:													
Kilkenny--------	95	0-7	Clay loam	ML, MH	A-7	0	0	95-100	95-100	80-95	70-85	40-60	10-25
		7-42	Clay loam, clay, silty clay loam	CH, MH	A-7	0	0	95-100	90-100	80-95	65-80	50-70	25-35
		42-60	Clay loam, loam	ML, CL	A-7, A-6	0	0-5	95-100	90-100	75-90	60-75	35-50	10-25
836E2:													
Kilkenny--------	95	0-7	Clay loam	ML, MH	A-7	0	0	95-100	95-100	80-95	70-85	40-60	10-25
		7-42	Clay loam, clay, silty clay loam	CH, MH	A-7	0	0	95-100	90-100	80-95	65-80	50-70	25-35
		42-60	Clay loam, loam	CL, ML	A-6, A-7	0	0-5	95-100	90-100	75-90	60-75	35-50	10-25
879:													
Fostoria--------	95	0-9	Loam	CL, CL-ML	A-4, A-6	0	0	100	100	95-100	80-95	25-40	5-15
		9-39	Loam, clay loam	CL	A-6	0	0-5	100	100	75-100	55-95	30-40	10-20
		39-60	Silt loam, loam, sandy loam	CL	A-6	0	0-5	100	100	75-100	55-95	30-40	10-20
956:													
Harps----------	55	0-18	Loam	CL	A-7, A-6	0	0-5	95-100	95-100	80-90	65-80	30-45	10-25
		18-42	Loam, clay loam, sandy clay loam	CH, CL	A-7, A-6	0	0-5	95-100	95-100	80-90	65-80	30-60	15-35
		42-60	Loam, sandy clay loam, clay loam	CL	A-6	0	0-5	95-100	90-100	70-80	50-75	25-40	10-25

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Hancock 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	
Okoboji---------	35	0-9	Silty clay loam	CH	A-7	0	0	100	100	90-100	80-95	55-65	30-40
		9-36	Silty clay loam, silty clay	CH	A-7	0	0	100	100	90-100	80-95	55-65	30-40
		36-46	Silty clay loam, silty clay	CH	A-7	0	0	95-100	95-100	90-100	80-95	55-65	30-40
		46-60	Stratified loam to silty clay loam	CH, CL	A-7	0	0-5	95-100	90-100	90-100	75-90	45-55	20-30
1032:													
Spicer----------	95	0-19	Silty clay loam	ML	A-7, A-6	0	0	100	100	95-100	90-100	35-50	10-20
		19-40	Silt loam, silty clay loam	ML	A-7, A-6	0	0	100	100	95-100	85-100	35-50	10-20
		40-60	Loam, clay loam	CL, ML, CL-ML	A-6, A-4, A-7	0-5	0-10	90-100	85-97	75-95	50-75	20-45	3-25
1052B:													
Bode----------	60	0-18	Clay loam	CL	A-6, A-7	0	0	95-100	95-100	75-90	55-80	35-50	15-25
		18-35	Clay loam	CL	A-6, A-7	0	0	95-100	90-100	75-90	55-80	35-50	15-25
		35-60	Loam, clay loam	CL, CL-ML	A-4, A-6	0	0-5	90-100	90-95	75-90	50-75	25-40	5-15
Kamrar----------	35	0-20	Clay loam	CL	A-7	0	0	95-100	95-100	70-90	60-85	40-50	15-25
		20-35	Clay loam, clay, silty clay	CH, CL	A-7	0	0	90-100	90-100	70-90	60-85	40-55	15-30
		35-60	Clay loam, loam	CL	A-6, A-7	0	0-5	90-100	85-95	60-80	50-75	35-50	15-30
1135:													
Coland----------	95	0-15	Clay loam	CL	A-6, A-7	0	0	100	100	95-100	65-80	35-50	15-25
		15-60	Clay loam, silty clay loam	CL	A-6, A-7	0	0	100	100	95-100	65-80	35-50	15-25
1221:													
Palms----------	100	0-40	Muck	PT	A-8	0	0	100	100	---	---	---	---
		40-60	Muck	PT	A-8, A-1	0	0	100	100	---	---	---	---

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

Hancock 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	
1259:													
Biscay----------	95	0-22	Clay loam	CL, ML	A-6, A-7	0	0	95-100	95-100	70-90	50-75	35-50	10-25
		22-30	Loam, clay loam, sandy clay loam	CL, ML	A-6, A-7	0	0	95-100	90-100	70-90	50-75	30-50	10-20
		30-35	Very gravelly loamy sand, gravelly loam, sandy loam, gravelly sandy loam	SM, SC-SM, SC	A-4	0	0-5	95-100	70-95	50-80	35-50	15-30	2-10
		35-60	Stratified gravelly coarse sand to loamy sand	SP, SP-SM, GP-GM, GP	A-1	0	0-5	45-95	35-95	20-45	2-10	---	NP
1339:													
Truman----------	100	0-22	Silty clay loam	CL	A-6, A-7	0	0	100	100	95-100	80-100	30-45	10-20
		22-40	Silty clay loam, silt loam	CL	A-6, A-7	0	0	100	100	95-100	80-100	30-45	10-20
		40-50	Loam, silt loam	CL, CL-ML	A-4, A-6	0	0	100	100	85-95	50-80	25-40	5-15
		50-60	Sand	SC-SM, CL, CL-ML, SC	A-2, A-6, A-4	0	0	100	100	50-90	20-80	15-40	NP-20
1339B:													
Truman----------	100	0-22	Silty clay loam	CL	A-7, A-6	0	0	100	100	95-100	80-100	30-45	10-20
		22-40	Silty clay loam, silt loam	CL	A-7, A-6	0	0	100	100	95-100	80-100	30-45	10-20
		40-50	Loam, silt loam	CL-ML, CL	A-6, A-4	0	0	100	100	85-95	50-80	25-40	5-15
		50-60	Sand	CL, SC-SM, SC, CL-ML	A-4, A-2, A-6	0	0	100	100	50-90	20-80	15-40	NP-20

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

Hancock 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	
1506:													
Wacousta--------	100	0-17	Silty clay loam	CL	A-7, A-6	0	0	100	100	95-100	95-100	35-50	20-35
		17-34	Silt loam, silty clay loam	CL	A-7, A-6	0	0	100	100	90-100	90-100	30-50	15-35
		34-60	Stratified fine sand to loam	SM, CL, SC, ML	A-4, A-2	0	0-5	100	95-100	60-90	15-60	15-25	NP-10
1507:													
Brownton--------	95	0-30	Silty clay loam	CH, MH	A-7	0	0	100	95-100	90-100	85-95	50-65	20-35
		30-60	Silty clay, clay, silty clay loam	MH, CH	A-7	0	0	100	95-100	90-100	85-95	50-80	25-40
1595:													
Harpster--------	95	0-21	Silty clay loam	CH, CL	A-7	0	0	100	95-100	95-100	90-100	45-60	20-35
		21-26	Silty clay loam, silt loam, loam	CH, CL	A-6, A-7	0	0	100	95-100	95-100	70-100	35-55	20-35
		26-60	Stratified sandy loam to clay loam	SC-SM, CL, CL-ML, SC	A-4, A-7, A-6	0	0	100	95-100	95-100	45-95	20-50	5-25
1733:													
Calco----------	95	0-16	Silty clay loam	CL, CH	A-7	0	0	100	100	95-100	85-100	40-60	15-30
		16-48	Silty clay loam	CL, CH	A-7	0	0	100	100	95-100	85-100	40-60	15-30
		48-60	Silty clay loam, loam, clay loam	CL	A-7, A-6	0	0	100	100	90-100	80-100	30-45	10-20
2222:													
Adrian----------	100	0-34	Muck	PT	A-8	0	0	100	100	---	---	---	---
		34-60	Sand, fine sand, gravelly loamy sand	SM, SP	A-2, A-1, A-3	0	0	80-100	60-100	30-80	0-35	0-14	NP
4000:													
Urban Land------	100	---	---	---	---	---	---	---	---	---	---	---	---

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

Hancock 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	
5010:													
Pits----------	100	---	---	---	---	---	---	---	---	---	---	---	---
5040:													
Orthents--------	90	0-60	Loam			---	---	---	---	---	---	---	NP-15
		60-80	Variable			---	---	---	---	---	---	---	---
AW:													
Animal Waste----	100	---	---	---	---	---	---	---	---	---	---	---	---
INT:													
Intermittent Water----------	100	---	---	---	---	---	---	---	---	---	---	---	---
SL:													
Sewage Lagoon---	100	---	---	---	---	---	---	---	---	---	---	---	---
W:													
Water----------	100	---	---	---	---	---	---	---	---	---	---	---	---