

HYDRIC SOILS LIST

Benton County, Iowa

Map symbol and map unit name	Component	Percent of map unit	Hydric	Local landform	Hydric soils criteria			
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
11B: COLO-ELY COMPLEX, 2 TO 5 PERCENT SLOPES	COLO	60	Yes	drainageway	2B3	Yes	No	No
	ELY	35	No	---	---	---	---	---
	Other	5	Yes	drainageway	2B3	Yes	No	No
41: SPARTA LOAMY FINE SAND, 0 TO 2 PERCENT SLOPES	SPARTA	100	No	---	---	---	---	---
41B: SPARTA LOAMY FINE SAND, 2 TO 5 PERCENT SLOPES	SPARTA	100	No	---	---	---	---	---
41C: SPARTA LOAMY FINE SAND, 5 TO 9 PERCENT SLOPES	SPARTA	100	No	---	---	---	---	---
41D: SPARTA LOAMY FINE SAND, 9 TO 14 PERCENT SLOPES	SPARTA	100	No	---	---	---	---	---
51: VESSER SILT LOAM, 0 TO 2 PERCENT SLOPES	VESSER	95	No	---	---	---	---	---
	Other	5	Yes	flood plain	4,2B3	Yes	Yes	No
54: ZOOK SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	ZOOK	100	Yes	flood plain	2B3	Yes	No	No
63B: CHELSEA LOAMY FINE SAND, 1 TO 5 PERCENT SLOPES	CHELSEA	100	No	---	---	---	---	---
63C: CHELSEA LOAMY FINE SAND, 5 TO 9 PERCENT SLOPES	CHELSEA	100	No	---	---	---	---	---
63D: CHELSEA LOAMY FINE SAND, 9 TO 18 PERCENT SLOPES	CHELSEA	100	No	---	---	---	---	---
63F: CHELSEA LOAMY FINE SAND, 18 TO 25 PERCENT SLOPES	CHELSEA	100	No	---	---	---	---	---

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65E2: LINDLEY LOAM, 14 TO 18 PERCENT SLOPES, MODERATELY ERODED	LINDLEY	95	No	---	---	---	---	---
	KESWICK	5	No	---	---	---	---	---
65F: LINDLEY LOAM, 18 TO 25 PERCENT SLOPES	LINDLEY	95	No	---	---	---	---	---
	KESWICK	5	No	---	---	---	---	---
65F3: LINDLEY CLAY LOAM, 18 TO 25 PERCENT SLOPES, SEVERELY ERODED	LINDLEY	95	No	---	---	---	---	---
	KESWICK	5	No	---	---	---	---	---
83B: KENYON LOAM, 2 TO 5 PERCENT SLOPES	KENYON	100	No	---	---	---	---	---
83C: KENYON LOAM, 5 TO 9 PERCENT SLOPES	KENYON	100	No	---	---	---	---	---
83C2: KENYON LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED	KENYON	100	No	---	---	---	---	---
83D: KENYON LOAM, 9 TO 14 PERCENT SLOPES	KENYON	100	No	---	---	---	---	---
83D2: KENYON LOAM, 9 TO 14 PERCENT SLOPES, MODERATELY ERODED	KENYON	100	No	---	---	---	---	---
84: CLYDE SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	CLYDE	100	Yes	drainageway	2B3	Yes	No	No
109C: BACKBONE FINE SANDY LOAM, 4 TO 12 PERCENT SLOPES	BACKBONE	100	No	---	---	---	---	---
110B: LAMONT FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES	LAMONT	100	No	---	---	---	---	---
110C: LAMONT FINE SANDY LOAM, 5 TO 9 PERCENT SLOPES	LAMONT	100	No	---	---	---	---	---

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118: GARWIN SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	GARWIN	100	Yes	flat	2B3	Yes	No	No
119: MUSCATINE SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	MUSCATINE	95	No	---	---	---	---	---
	Garwin	5	Yes	drainageway	2B3	Yes	No	No
119B: MUSCATINE SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES	MUSCATINE	95	No	---	---	---	---	---
	Other	5	Yes	drainageway	2B3	Yes	No	No
120: TAMA SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	TAMA	100	No	---	---	---	---	---
120B: TAMA SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES	TAMA	100	No	---	---	---	---	---
120C: TAMA SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES	TAMA	100	No	---	---	---	---	---
120C2: TAMA SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED	TAMA	100	No	---	---	---	---	---
122: SPERRY SILT LOAM, 0 TO 1 PERCENT SLOPES	SPERRY	100	Yes	depression	2B3,3	Yes	No	Yes
127: WIOTA SILT LOAM, LOAMY SUBSTRATUM, 1 TO 3 PERCENT SLOPES	WIOTA	100	No	---	---	---	---	---
133: COLO SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	COLO	100	Yes	flood plain	2B3	Yes	No	No
159: FINCHFORD LOAMY SAND, 0 TO 2 PERCENT SLOPES	FINCHFORD	100	No	---	---	---	---	---
162B: DOWNS SILT LOAM, 2 TO 5 PERCENT SLOPES	DOWNS	100	No	---	---	---	---	---
162C: DOWNS SILT LOAM, 5 TO 9 PERCENT SLOPES	DOWNS	100	No	---	---	---	---	---

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Map symbol and map unit name	Component	Percent of map unit	Hydric	Local landform	Hydric soils criteria			
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
162C2: DOWNS SILT LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED	DOWNS	100	No	---	---	---	---	---
162D: DOWNS SILT LOAM, 9 TO 14 PERCENT SLOPES	DOWNS	100	No	---	---	---	---	---
162D2: DOWNS SILT LOAM, 9 TO 14 PERCENT SLOPES, MODERATELY ERODED	DOWNS	100	No	---	---	---	---	---
163B: FAYETTE SILT LOAM, 2 TO 5 PERCENT SLOPES	FAYETTE	100	No	---	---	---	---	---
163C: FAYETTE SILT LOAM, 5 TO 9 PERCENT SLOPES	FAYETTE	100	No	---	---	---	---	---
163C2: FAYETTE SILT LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED	FAYETTE	100	No	---	---	---	---	---
163D: FAYETTE SILT LOAM, 9 TO 14 PERCENT SLOPES	FAYETTE	100	No	---	---	---	---	---
163D2: FAYETTE SILT LOAM, 9 TO 14 PERCENT SLOPES, MODERATELY ERODED	FAYETTE	100	No	---	---	---	---	---
163E: FAYETTE SILT LOAM, 14 TO 18 PERCENT SLOPES	FAYETTE	100	No	---	---	---	---	---
163E2: FAYETTE SILT LOAM, 14 TO 18 PERCENT SLOPES, MODERATELY ERODED	FAYETTE	100	No	---	---	---	---	---
163F: FAYETTE SILT LOAM, 18 TO 25 PERCENT SLOPES	FAYETTE	100	No	---	---	---	---	---
163F2: FAYETTE SILT LOAM, 18 TO 25 PERCENT SLOPES, MODERATELY ERODED	FAYETTE	100	No	---	---	---	---	---
163G: FAYETTE SILT LOAM, 25 TO 40 PERCENT SLOPES	FAYETTE	100	No	---	---	---	---	---
171B: BASSETT LOAM, 2 TO 5 PERCENT SLOPES	BASSETT	100	No	---	---	---	---	---

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Map symbol and map unit name	Component	Percent of map unit	Hydric	Local landform	Hydric soils criteria			
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
171C: BASSETT LOAM, 5 TO 9 PERCENT SLOPES	BASSETT	100	No	---	---	---	---	---
171C2: BASSETT LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED	BASSETT	100	No	---	---	---	---	---
171D: BASSETT LOAM, 9 TO 14 PERCENT SLOPES	BASSETT	100	No	---	---	---	---	---
171D2: BASSETT LOAM, 9 TO 14 PERCENT SLOPES, MODERATELY ERODED	BASSETT	100	No	---	---	---	---	---
175: DICKINSON FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	DICKINSON	100	No	---	---	---	---	---
175B: DICKINSON FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES	DICKINSON	100	No	---	---	---	---	---
175C: DICKINSON FINE SANDY LOAM, 5 TO 9 PERCENT SLOPES	DICKINSON	100	No	---	---	---	---	---
177: SAUDE LOAM, 0 TO 2 PERCENT SLOPES	SAUDE	100	No	---	---	---	---	---
177B: SAUDE LOAM, 2 TO 5 PERCENT SLOPES	SAUDE	100	No	---	---	---	---	---
177C: SAUDE LOAM, 5 TO 9 PERCENT SLOPES	SAUDE	95	No	---	---	---	---	---
	ESTHERVILLE	5	No	---	---	---	---	---
178: WAUKEE LOAM, 0 TO 2 PERCENT SLOPES	WAUKEE	95	No	---	---	---	---	---
	ESTHERVILLE	5	No	---	---	---	---	---
178B: WAUKEE LOAM, 2 TO 5 PERCENT SLOPES	WAUKEE	100	No	---	---	---	---	---
184B: KLINGER SILTY CLAY LOAM, 1 TO 4 PERCENT SLOPES	KLINGER	95	No	---	---	---	---	---
	Other	5	Yes	flat	2B3	Yes	No	No

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Map symbol and map unit name	Component	Percent of map unit	Hydric	Local landform	Hydric soils criteria			
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
198B: FLOYD LOAM, 1 TO 4 PERCENT SLOPES	FLOYD	95	No	---	---	---	---	---
	Other	5	Yes	drainageway	2B3	Yes	No	No
207C: WHALAN LOAM, 20 TO 30 INCHES TO LIMESTONE, 2 TO 9 PERCENT SLOPE	WHALAN	95	No	---	---	---	---	---
	EMELINE	5	No	---	---	---	---	---
214C: ROCKTON LOAM, 20 TO 30 INCHES TO LIMESTONE, 2 TO 9 PERCENT SLOPES	ROCKTON	95	No	---	---	---	---	---
	EMELINE	5	No	---	---	---	---	---
220: NODAWAY SILT LOAM, 0 TO 2 PERCENT SLOPES	NODAWAY	95	No	---	---	---	---	---
	Other	5	Yes	flood plain	4,2B3	Yes	Yes	No
221B: PALMS MUCK, 1 TO 4 PERCENT SLOPES	PALMS	95	Yes	hill	1	No	No	No
	Other	5	Yes	drainageway	2B3	Yes	No	No
226: LAWLER LOAM, 32 TO 40 INCHES TO SAND OR GRAVEL, 0 TO 2 PERCENT SLOPES	LAWLER	95	No	---	---	---	---	---
	Other	5	Yes	terrace	2B3	Yes	No	No
284: FLAGLER SANDY LOAM, 0 TO 2 PERCENT SLOPES	FLAGLER	100	No	---	---	---	---	---
284B: FLAGLER SANDY LOAM, 2 TO 5 PERCENT SLOPES	FLAGLER	100	No	---	---	---	---	---
285C: BURKHARDT SANDY LOAM, 2 TO 9 PERCENT SLOPES	BURKHARDT	100	No	---	---	---	---	---
291: ATTERBERRY SILT LOAM, 1 TO 3 PERCENT SLOPES	ATTERBERRY	95	No	ridge	---	---	---	---
	Other	5	Yes	drainageway	2B3	Yes	No	No
293C: CHELSEA-LAMONT-FAYETTE COMPLEX, 5 TO 9 PERCENT SLOPES	CHELSEA	40	No	---	---	---	---	---

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					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
293D: CHELSEA-LAMONT-FAYETTE COMPLEX, 9 TO 18 PERCENT SLOPES	LAMONT	30	No	---	---	---	---	---
	FAYETTE	20	No	---	---	---	---	---
	OTHER	10	No	---	---	---	---	---
	CHELSEA	40	No	---	---	---	---	---
	LAMONT	30	No	---	---	---	---	---
	FAYETTE	20	No	---	---	---	---	---
293F: CHELSEA-LAMONT-FAYETTE COMPLEX, 18 TO 30 PERCENT SLOPES	OTHER	10	No	---	---	---	---	---
	CHELSEA	40	No	---	---	---	---	---
	LAMONT	30	No	---	---	---	---	---
302B: COGGON LOAM, 2 TO 5 PERCENT SLOPES	FAYETTE	20	No	---	---	---	---	---
	OTHER	10	No	---	---	---	---	---
	COGGON	100	No	---	---	---	---	---
302C: COGGON LOAM, 5 TO 9 PERCENT SLOPES	COGGON	100	No	---	---	---	---	---
302C2: COGGON LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED	COGGON	100	No	---	---	---	---	---
315: FLUVAQUENTS, SANDY AND LOAMY	FLUVAQUENTS	95	Yes	flood plain	2B3,4	Yes	Yes	No
	OTHER	5	Yes	oxbow	2B3,3	Yes	No	Yes
350: WAUKEGAN SILT LOAM, 0 TO 2 PERCENT SLOPES	WAUKEGAN	100	No	---	---	---	---	---
350B: WAUKEGAN SILT LOAM, 2 TO 5 PERCENT SLOPES	WAUKEGAN	100	No	---	---	---	---	---
352B: WHITTIER SILT LOAM, 1 TO 4 PERCENT SLOPES	WHITTIER	100	No	---	---	---	---	---

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Map symbol and map unit name	Component	Percent of map unit	Hydric	Local landform	Hydric soils criteria			
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
377B: DINSDALE SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES	DINSDALE	100	No	---	---	---	---	---
377C: DINSDALE SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES	DINSDALE	100	No	---	---	---	---	---
377C2: DINSDALE SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED	DINSDALE	100	No	---	---	---	---	---
382: MAXFIELD SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	MAXFIELD	100	Yes	flat	2B3	Yes	No	No
391B: CLYDE-FLOYD COMPLEX, 1 TO 4 PERCENT SLOPES	CLYDE	60	Yes	drainageway	2B3	Yes	No	No
	FLOYD	40	No	---	---	---	---	---
398: TRIPOLI CLAY LOAM, 0 TO 2 PERCENT SLOPES	TRIPOLI	100	Yes	flat	2B3	Yes	No	No
399: READLYN LOAM, 1 TO 3 PERCENT SLOPES	READLYN	95	No	---	---	---	---	---
	Other	5	Yes	flat	2B3	Yes	No	No
407B: SCHLEY LOAM, 1 TO 4 PERCENT SLOPES	SCHLEY	95	No	---	---	---	---	---
	Other	5	Yes	drainageway	2B3	Yes	No	No
408B: OLIN FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES	OLIN	100	No	---	---	---	---	---
408C: OLIN FINE SANDY LOAM, 5 TO 9 PERCENT SLOPES	OLIN	100	No	---	---	---	---	---
412C: SOGN LOAM, 5 TO 9 PERCENT SLOPES	SOGN	100	No	---	---	---	---	---
412D: SOGN LOAM, 9 TO 18 PERCENT SLOPES	SOGN	100	No	---	---	---	---	---
412F: SOGN LOAM, 18 TO 40 PERCENT SLOPES	SOGN	100	No	---	---	---	---	---

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Map symbol and map unit name	Component	Percent of map unit	Hydric	Local landform	Hydric soils criteria			
					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
420: TAMA SILTY CLAY LOAM, BENCHES, 0 TO 2 PERCENT SLOPES	TAMA	100	No	---	---	---	---	---
420B: TAMA SILTY CLAY LOAM, BENCHES, 2 TO 5 PERCENT SLOPES	TAMA	100	No	---	---	---	---	---
426B: AREDALE LOAM, 2 TO 5 PERCENT SLOPES	AREDALE	100	No	---	---	---	---	---
426C: AREDALE LOAM, 5 TO 9 PERCENT SLOPES	AREDALE	100	No	---	---	---	---	---
428B: ELY SILT LOAM, 2 TO 5 PERCENT SLOPES	ELY	95	No	---	---	---	---	---
	Other	5	Yes	alluvial fan	2B3	Yes	No	No
485: SPILLVILLE LOAM, 0 TO 2 PERCENT SLOPES	SPILLVILLE	95	No	---	---	---	---	---
	Other	5	Yes	flood plain	4,2B3	Yes	Yes	No
536: HANLON FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	HANLON	95	No	---	---	---	---	---
	Other	5	Yes	flood plain	4,2B3	Yes	Yes	No
727: UDOLPHO LOAM, 32 TO 40 INCHES TO SAND OR GRAVEL, 0 TO 2 PERCENT SLOPES	UDOLPHO	100	Yes	terrace	2B3	Yes	No	No
729B: NODAWAY-RADFORD SILT LOAMS, 2 TO 5 PERCENT SLOPES	NODAWAY	60	No	---	---	---	---	---
	RADFORD	30	No	---	---	---	---	---
	Other	10	Yes	flood plain	2B3,4	Yes	Yes	No
771B: WAUBEEK SILT LOAM, 2 TO 5 PERCENT SLOPES	WAUBEEK	100	No	---	---	---	---	---
771C: WAUBEEK SILT LOAM, 5 TO 9 PERCENT SLOPES	WAUBEEK	100	No	---	---	---	---	---

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771C2: WAUBEEK SILT LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED	WAUBEEK	100	No	---	---	---	---	---
778: SATTRE LOAM, 0 TO 2 PERCENT SLOPES	SATTRE	100	No	---	---	---	---	---
778B: SATTRE LOAM, 2 TO 5 PERCENT SLOPES	SATTRE	100	No	---	---	---	---	---
782B: DONNAN SILT LOAM, 2 TO 5 PERCENT SLOPES	DONNAN	95	No	---	---	---	---	---
	Other	5	Yes	hill	2B3	Yes	No	No
782C2: DONNAN SILT LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED	DONNAN	95	No	---	---	---	---	---
	Other	5	Yes	hill	2B3	Yes	No	No
1043: BREMER SILTY CLAY LOAM, SANDY SUBSTRATUM, 0 TO 2 PERCENT SLOPES	BREMER	100	Yes	terrace	2B3	Yes	No	No
1088: NEVIN SILTY CLAY LOAM, SANDY SUBSTRATUM, 0 TO 2 PERCENT SLOPES	NEVIN	95	No	---	---	---	---	---
	Other	5	Yes	terrace	2B3	Yes	No	No
1119: MUSCATINE SILTY CLAY LOAM, BENCHES, 0 TO 2 PERCENT SLOPES	MUSCATINE	95	No	---	---	---	---	---
	Other	5	Yes	terrace	2B3	Yes	No	No
1133: COLO SILTY CLAY LOAM, CHANNELED, 0 TO 2 PERCENT SLOPES	COLO	95	Yes	flood plain	2B3,4	Yes	Yes	No
	OTHER	5	Yes	oxbow	2B3,3	Yes	No	Yes
1160: WALFORD SILT LOAM, SANDY SUBSTRATUM, 0 TO 1 PERCENT SLOPES	WALFORD	100	Yes	terrace	2B3	Yes	No	No
1291: ATTERBERRY SILT LOAM, BENCHES, 0 TO 2 PERCENT SLOPES	ATTERBERRY	95	No	---	---	---	---	---

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					Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria
1485: SPILLVILLE LOAM, CHANNELED, 0 TO 2 PERCENT SLOPES	Other	5	Yes	terrace	2B3	Yes	No	No
	SPILLVILLE	90	No	---	---	---	---	---
	OTHER	5	Yes	oxbow	3,2B3	Yes	No	Yes
1688: KOSZTA SILT LOAM, LOAMY SUBSTRATUM, 0 TO 2 PERCENT SLOPES	Other	5	Yes	flood plain	4,2B3	Yes	Yes	No
	KOSZTA	95	No	---	---	---	---	---
	Other	5	Yes	terrace	2B3	Yes	No	No
5030: PITS, QUARRIES	PITS, LIMESTONE QUARRY	100	Unranked	---	---	---	---	---
5040: ORTHENTS, LOAMY	ORTHENTS	100	Unranked	---	---	---	---	---