

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
011	AvB	Arvilla sandy loam, 2 to 6 percent slopes	Arvilla	85	G102AY130SD	Very Droughty Loam
011	Ba	Badger silty clay loam, 0 to 1 percent slopes	Badger	85	G102AY700SD	Subirrigated
011	BbA	Barnes clay loam, 0 to 2 percent slopes	Barnes	85	G102AY100SD	Loam
011	BbB	Barnes clay loam, 2 to 6 percent slopes	Barnes	80	G102AY100SD	Loam
011	BcB	Barnes-Buse loams, 2 to 6 percent slopes	Barnes	60	G102AY100SD	Loam
011	BcB	Barnes-Buse loams, 2 to 6 percent slopes	Buse	30	G102AY400SD	Limy Upland
011	BeA	Brandt silty clay loam, 0 to 2 percent slopes	Brandt	85	G102AY100SD	Loam
011	BeB	Brandt silty clay loam, 2 to 6 percent slopes	Brandt	85	G102AY100SD	Loam
011	Bf	Brookings silty clay loam, 0 to 2 percent slopes	Brookings	85	G102AY500SD	Overflow
011	BgC	Buse-Barnes loams, 6 to 9 percent slopes	Buse	55	G102AY400SD	Limy Upland
011	BgC	Buse-Barnes loams, 6 to 9 percent slopes	Barnes	30	G102AY100SD	Loam
011	BgD	Buse-Barnes loams, 9 to 20 percent slopes	Buse	50	G102AY400SD	Limy Upland
011	BgD	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	35	G102AY100SD	Loam
011	BhC	Buse-Barnes loams, 2 to 9 percent slopes, very stony	Buse	55	G102AY000SD	Not suited
011	BhC	Buse-Barnes loams, 2 to 9 percent slopes, very stony	Barnes	35	G102AY000SD	Not suited
011	BhE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	65	G102AY000SD	Not suited
011	BhE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	20	G102AY000SD	Not suited
011	BkE	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Buse	60	G102AY000SD	Not suited
011	BkE	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Lamoure	20	G102AY900SD	Wet
011	BoE	Buse-Langhei complex, 15 to 40 percent slopes	Buse	60	G102AY000SD	Not suited
011	BoE	Buse-Langhei complex, 15 to 40 percent slopes	Langhei	25	G102AY000SD	Not suited
011	BpD	Buse-Poinsett complex, 9 to 15 percent slopes	Buse	50	G102AY400SD	Limy Upland
011	BpD	Buse-Poinsett complex, 9 to 15 percent slopes	Poinsett	40	G102AY100SD	Loam
011	BrD	Buse, very stony-Poinsett complex, 9 to 25 percent slopes	Buse	55	G102AY000SD	Not suited
011	BrD	Buse, very stony-Poinsett complex, 9 to 25 percent slopes	Poinsett	35	G102AY100SD	Loam
011	BsC	Buse-Singsaas complex, 6 to 9 percent slopes	Buse	55	G102AY400SD	Limy Upland
011	BsC	Buse-Singsaas complex, 6 to 9 percent slopes	Singsaas	30	G102AY100SD	Loam
011	BxE	Buse-Sioux complex, 9 to 40 percent slopes	Buse	55	G102AY000SD	Not suited
011	BxE	Buse-Sioux complex, 9 to 40 percent slopes	Sioux	30	G102AY000SD	Not suited
011	Ca	Castlewood silty clay, 0 to 1 percent slopes	Castlewood	90	G102AY900SD	Wet
011	Co	Cubden-Badger silty clay loams, 0 to 2 percent slopes	Cubden	60	G102AY700SD	Subirrigated
011	Co	Cubden-Badger silty clay loams, 0 to 2 percent slopes	Badger	30	G102AY700SD	Subirrigated
011	Ct	Cubden-Tonka silty clay loams, 0 to 2 percent slopes	Cubden	50	G102AY700SD	Subirrigated
011	Ct	Cubden-Tonka silty clay loams, 0 to 2 percent slopes	Tonka	40	G102AY900SD	Wet
011	DaB	Darnen loam, 2 to 6 percent slopes	Darnen	85	G102AY100SD	Loam
011	Dn	Divide loam, 0 to 2 percent slopes	Divide	85	G102AY700SD	Subirrigated
011	DoB	Doland loam, 2 to 6 percent slopes	Doland	85	G102AY100SD	Loam
011	DsA	Doland-Svea loams, 0 to 2 percent slopes	Doland	55	G102AY100SD	Loam
011	DsA	Doland-Svea loams, 0 to 2 percent slopes	Svea	25	G102AY500SD	Overflow
011	EgA	Egeland-Embden complex, 0 to 2 percent slopes	Egeland	50	G102AY120SD	Droughty Loam
011	EgA	Egeland-Embden complex, 0 to 2 percent slopes	Embden	45	G102AY120SD	Droughty Loam
011	EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	60	G102AY120SD	Droughty Loam
011	EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	30	G102AY120SD	Droughty Loam

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
011	EsA	Estelline silt loam, 0 to 2 percent slopes	Estelline	90	G102AY120SD	Droughty Loam
011	EsB	Estelline silt loam, 2 to 6 percent slopes	Estelline	85	G102AY120SD	Droughty Loam
011	EtB	Estelline-Sioux complex, 2 to 6 percent slopes	Estelline	60	G102AY120SD	Droughty Loam
011	EtB	Estelline-Sioux complex, 2 to 6 percent slopes	Sioux	30	G102AY003SD	Very Shallow To Gravel
011	Fa	Fairdale loam, channeled	Fairdale	85	G102AY500SD	Overflow
011	Fb	Fordtown loam, 0 to 2 percent slopes	Fordtown	85	G102AY120SD	Droughty Loam
011	Fc	Fordtown-Spottswood loams, 0 to 2 percent slopes	Fordtown	55	G102AY120SD	Droughty Loam
011	Fc	Fordtown-Spottswood loams, 0 to 2 percent slopes	Spottswood	30	G102AY700SD	Subirrigated
011	FdA	Fordville loam, 0 to 2 percent slopes	Fordville	90	G102AY120SD	Droughty Loam
011	FrB	Fordville-Renshaw loams, 2 to 6 percent slopes	Fordville	60	G102AY120SD	Droughty Loam
011	FrB	Fordville-Renshaw loams, 2 to 6 percent slopes	Renshaw	30	G102AY130SD	Very Droughty Loam
011	Gs	Goldsmith silty clay loam, 0 to 2 percent slopes	Goldsmith	90	G102AY500SD	Overflow
011	Hb	Hamerly-Badger complex, 0 to 2 percent slopes	Hamerly	55	G102AY700SD	Subirrigated
011	Hb	Hamerly-Badger complex, 0 to 2 percent slopes	Badger	30	G102AY700SD	Subirrigated
011	Hc	Hamerly-Cavour-Badger complex, 0 to 2 percent slopes	Hamerly	40	G102AY700SD	Subirrigated
011	Hc	Hamerly-Cavour-Badger complex, 0 to 2 percent slopes	Cavour	30	G102AY800SD	Claypan
011	Hc	Hamerly-Cavour-Badger complex, 0 to 2 percent slopes	Badger	20	G102AY700SD	Subirrigated
011	HeA	Hetland silty clay loam, 0 to 2 percent slopes	Hetland	90	G102AY210SD	Clayey Subsoil
011	HeB	Hetland silty clay loam, 2 to 6 percent slopes	Hetland	90	G102AY210SD	Clayey Subsoil
011	KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Kranzburg	55	G102AY100SD	Loam
011	KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Brookings	30	G102AY500SD	Overflow
011	KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Kranzburg	65	G102AY100SD	Loam
011	KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Brookings	25	G102AY500SD	Overflow
011	La	La Prairie loam, 0 to 2 percent slopes, occasionally flooded	La Prairie	85	G102AY500SD	Overflow
011	Lc	La Prairie loam, 0 to 2 percent slopes, rarely flooded	La Prairie	85	G102AY100SD	Loam
011	Ld	LaDelle silt loam, 0 to 2 percent slopes	LaDelle	90	G102AY500SD	Overflow
011	Lk	Lamoure silty clay loam, 0 to 1 percent slopes	Lamoure	75	G102AY700SD	Subirrigated
011	Lm	Lamoure-Rauville silty clay loams, channeled	Lamoure	65	G102AY900SD	Wet
011	Lm	Lamoure-Rauville silty clay loams, channeled	Rauville	25	G102AY000SD	Not suited
011	LnB	Lanona-Swenoda sandy loams, 2 to 6 percent slopes	Lanona	60	G102AY100SD	Loam
011	LnB	Lanona-Swenoda sandy loams, 2 to 6 percent slopes	Swenoda	25	G102AY100SD	Loam
011	Lo	Lowe loam, 0 to 1 percent slopes	Lowe	85	G102AY900SD	Wet
011	Lr	Lowe-Ludden complex, 0 to 1 percent slopes	Lowe	50	G102AY900SD	Wet
011	Lr	Lowe-Ludden complex, 0 to 1 percent slopes	Ludden	35	G102AY900SD	Wet
011	Ls	Ludden silty clay, 0 to 1 percent slopes	Ludden	85	G102AY900SD	Wet
011	Lu	Ludden, saline-Ludden silty clays, 0 to 1 percent slopes	Ludden	45	G102AY895SD	Saline
011	Lu	Ludden, saline-Ludden silty clays, 0 to 1 percent slopes	Ludden	40	G102AY900SD	Wet
011	MaB	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Maddock	55	G102AY130SD	Very Droughty Loam
011	MaB	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Egeland	35	G102AY120SD	Droughty Loam
011	MaC	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Maddock	65	G102AY130SD	Very Droughty Loam
011	MaC	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Egeland	25	G102AY120SD	Droughty Loam

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011	MeA	Maddock-Embden complex, 0 to 2 percent slopes	Maddock	50	G102AY130SD	Very Droughty Loam
011	MeA	Maddock-Embden complex, 0 to 2 percent slopes	Embden	40	G102AY120SD	Droughty Loam
011	Mr	Marysland loam, 0 to 1 percent slopes	Marysland	85	G102AY900SD	Wet
011	Mt	McIntosh-Badger silty clay loams, 0 to 2 percent slopes	McIntosh	55	G102AY700SD	Subirrigated
011	Mt	McIntosh-Badger silty clay loams, 0 to 2 percent slopes	Badger	30	G102AY700SD	Subirrigated
011	Mu	McIntosh-Lamoure silty clay loams, 0 to 2 percent slopes	McIntosh	60	G102AY700SD	Subirrigated
011	Mu	McIntosh-Lamoure silty clay loams, 0 to 2 percent slopes	Lamoure	25	G102AY900SD	Wet
011	Mw	Minnewaukan loamy sand, 0 to 3 percent slopes	Minnewaukan	85	G102AY900SD	Wet
011	Mz	Moritz-Lamoure complex, 0 to 2 percent slopes	Moritz	50	G102AY700SD	Subirrigated
011	Mz	Moritz-Lamoure complex, 0 to 2 percent slopes	Lamoure	35	G102AY900SD	Wet
011	Od	Oldham silty clay loam, 0 to 1 percent slopes	Oldham	85	G102AY000SD	Not suited
011	Og	Orthents, gravelly	Orthents	95	G102AY000SD	Not suited
011	Or	Orthents, loamy	Orthents	95	G102AY400SD	Limy Upland
011	Pa	Parnell silty clay loam, 0 to 1 percent slopes	Parnell	90	G102AY000SD	Not suited
011	PbB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Poinsett	35	G102AY100SD	Loam
011	PbB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Buse	25	G102AY400SD	Limy Upland
011	PbB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	20	G102AY500SD	Overflow
011	PbC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Poinsett	35	G102AY100SD	Loam
011	PbC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Buse	30	G102AY400SD	Limy Upland
011	PbC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Waubay	20	G102AY100SD	Loam
011	PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	55	G102AY100SD	Loam
011	PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	30	G102AY500SD	Overflow
011	PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	60	G102AY100SD	Loam
011	PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	G102AY500SD	Overflow
011	Ra	Rauville silty clay loam, 0 to 1 percent slopes	Rauville	80	G102AY000SD	Not suited
011	Rp	Rauville silty clay loam, ponded	Rauville	90	G102AY000SD	Not suited
011	RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Renshaw	60	G102AY130SD	Very Droughty Loam
011	RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Sioux	30	G102AY003SD	Very Shallow To Gravel
011	RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Renshaw	50	G102AY130SD	Very Droughty Loam
011	RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Sioux	40	G102AY000SD	Not suited
011	Rw	Renwash loam, 0 to 2 percent slopes	Renwash	90	G102AY130SD	Very Droughty Loam
011	SbB	Singsaas-Buse complex, 2 to 6 percent slopes	Singsaas	60	G102AY100SD	Loam
011	SbB	Singsaas-Buse complex, 2 to 6 percent slopes	Buse	30	G102AY400SD	Limy Upland
011	ScA	Singsaas-Waubay silty clay loams, 0 to 2 percent slopes	Singsaas	60	G102AY100SD	Loam
011	ScA	Singsaas-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	30	G102AY500SD	Overflow
011	ScB	Singsaas-Waubay silty clay loams, 1 to 6 percent slopes	Singsaas	60	G102AY100SD	Loam
011	ScB	Singsaas-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	G102AY500SD	Overflow
011	ShD	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	45	G102AY000SD	Not suited
011	ShD	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	35	G102AY000SD	Not suited
011	ShE	Sioux-Renshaw complex, 15 to 40 percent slopes	Sioux	55	G102AY000SD	Not suited
011	ShE	Sioux-Renshaw complex, 15 to 40 percent slopes	Renshaw	35	G102AY000SD	Not suited
011	So	Southam silty clay loam, 0 to 1 percent slopes	Southam	90	G102AY000SD	Not suited
011	Sp	Spottswood loam, 0 to 2 percent slopes	Spottswood	85	G102AY700SD	Subirrigated

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011	SrA	Strayhoss loam, 0 to 2 percent slopes	Strayhoss	85	G102AY100SD	Loam
011	SrB	Strayhoss loam, 2 to 6 percent slopes	Strayhoss	85	G102AY100SD	Loam
011	StB	Strayhoss-Maddock complex, 2 to 6 percent slopes	Strayhoss	60	G102AY100SD	Loam
011	StB	Strayhoss-Maddock complex, 2 to 6 percent slopes	Maddock	30	G102AY130SD	Very Droughty Loam
011	SvA	Svea loam, 0 to 2 percent slopes	Svea	90	G102AY500SD	Overflow
011	SwA	Swenoda-Lanona sandy loams, 0 to 2 percent slopes	Swenoda	55	G102AY100SD	Loam
011	SwA	Swenoda-Lanona sandy loams, 0 to 2 percent slopes	Lanona	35	G102AY100SD	Loam
011	To	Tonka silty clay loam, 0 to 1 percent slopes	Tonka	90	G102AY900SD	Wet
011	VaA	Venagro-Svea loams, 0 to 2 percent slopes	Venagro	60	G102AY100SD	Loam
011	VaA	Venagro-Svea loams, 0 to 2 percent slopes	Svea	20	G102AY500SD	Overflow
011	VaB	Venagro-Svea loams, 1 to 6 percent slopes	Venagro	65	G102AY100SD	Loam
011	VaB	Venagro-Svea loams, 1 to 6 percent slopes	Svea	20	G102AY500SD	Overflow
011	VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Vienna	60	G102AY100SD	Loam
011	VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Brookings	30	G102AY500SD	Overflow
011	VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Vienna	65	G102AY100SD	Loam
011	VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Brookings	20	G102AY500SD	Overflow
011	VnB	Vienna-Buse complex, 2 to 6 percent slopes	Vienna	65	G102AY100SD	Loam
011	VnB	Vienna-Buse complex, 2 to 6 percent slopes	Buse	25	G102AY400SD	Limy Upland
011	VnC	Vienna-Buse complex, 6 to 9 percent slopes	Vienna	55	G102AY100SD	Loam
011	VnC	Vienna-Buse complex, 6 to 9 percent slopes	Buse	30	G102AY400SD	Limy Upland
011	Wb	Waubay silty clay loam, 0 to 2 percent slopes	Waubay	90	G102AY500SD	Overflow
025	Aa	Aastad loam	Aastad	90	G102AY500SD	Overflow
025	At	Aastad-Tonka complex	Aastad	65	G102AY500SD	Overflow
025	At	Aastad-Tonka complex	Tonka	25	G102AY900SD	Wet
025	Ba	Badger-Tonka silty clay loams	Badger	65	G102AY700SD	Subirrigated
025	Ba	Badger-Tonka silty clay loams	Tonka	25	G102AY900SD	Wet
025	BbB	Barnes-Buse loams, 2 to 6 percent slopes	Barnes	55	G102AY100SD	Loam
025	BbB	Barnes-Buse loams, 2 to 6 percent slopes	Buse	35	G102AY400SD	Limy Upland
025	BbC	Barnes-Buse loams, 6 to 9 percent slopes	Barnes	55	G102AY100SD	Loam
025	BbC	Barnes-Buse loams, 6 to 9 percent slopes	Buse	35	G102AY400SD	Limy Upland
025	BcB	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Barnes	40	G102AY100SD	Loam
025	BcB	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Buse	30	G102AY400SD	Limy Upland
025	BcB	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Svea	20	G102AY500SD	Overflow
025	BcC	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Barnes	40	G102AY100SD	Loam
025	BcC	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Buse	35	G102AY400SD	Limy Upland
025	BcC	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Svea	15	G102AY100SD	Loam
025	BdA	Barnes-Svea loams, 0 to 2 percent slopes	Barnes	50	G102AY100SD	Loam
025	BdA	Barnes-Svea loams, 0 to 2 percent slopes	Svea	40	G102AY500SD	Overflow
025	BdB	Barnes-Svea loams, 1 to 6 percent slopes	Barnes	65	G102AY100SD	Loam
025	BdB	Barnes-Svea loams, 1 to 6 percent slopes	Svea	25	G102AY500SD	Overflow
025	BrD	Buse-Barnes loams, 9 to 20 percent slopes	Buse	50	G102AY400SD	Limy Upland
025	BrD	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	40	G102AY100SD	Loam
025	BsE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	50	G102AY000SD	Not suited
025	BsE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	40	G102AY000SD	Not suited
025	BuE	Buse-La Prairie, channeled-Barnes loams, 0 to 40 percent slopes	Buse	35	G102AY000SD	Not suited

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025	BuE	Buse-La Prairie, channeled-Barnes loams, 0 to 40 percent slopes	La Prairie	30	G102AY500SD	Overflow
025	BuE	Buse-La Prairie, channeled-Barnes loams, 0 to 40 percent slopes	Barnes	25	G102AY109SD	Steep Loam
025	ByE	Buse-Langhei complex, 15 to 40 percent slopes	Buse	55	G102AY000SD	Not suited
025	ByE	Buse-Langhei complex, 15 to 40 percent slopes	Langhei	35	G102AY000SD	Not suited
025	BzE	Buse-Sioux complex, 9 to 40 percent slopes	Buse	55	G102AY000SD	Not suited
025	BzE	Buse-Sioux complex, 9 to 40 percent slopes	Sioux	35	G102AY000SD	Not suited
025	Co	Colvin silty clay loam	Colvin	90	G102AY000SD	Not suited
025	Cu	Cubden silty clay loam	Cubden	90	G102AY700SD	Subirrigated
025	Cv	Cubden-Badger silty clay loams	Cubden	55	G102AY700SD	Subirrigated
025	Cv	Cubden-Badger silty clay loams	Badger	35	G102AY700SD	Subirrigated
025	Cw	Cubden-Tonka silty clay loams	Cubden	55	G102AY700SD	Subirrigated
025	Cw	Cubden-Tonka silty clay loams	Tonka	30	G102AY900SD	Wet
025	Dv	Divide loam	Divide	90	G102AY700SD	Subirrigated
025	EgA	Egeland-Embden complex, 0 to 2 percent slopes	Egeland	45	G102AY120SD	Droughty Loam
025	EgA	Egeland-Embden complex, 0 to 2 percent slopes	Embden	45	G102AY120SD	Droughty Loam
025	EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	50	G102AY120SD	Droughty Loam
025	EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	40	G102AY120SD	Droughty Loam
025	FdA	Fordville loam, 0 to 2 percent slopes	Fordville	95	G102AY120SD	Droughty Loam
025	FnB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Forman	35	G102AY100SD	Loam
025	FnB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Buse	25	G102AY400SD	Limy Upland
025	FnB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Aastad	25	G102AY500SD	Overflow
025	FnC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Forman	40	G102AY100SD	Loam
025	FnC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Buse	35	G102AY400SD	Limy Upland
025	FnC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Aastad	15	G102AY100SD	Loam
025	HaA	Hamerly loam, 0 to 2 percent slopes	Hamerly	90	G102AY700SD	Subirrigated
025	Hb	Hamerly-Tonka complex	Hamerly	60	G102AY700SD	Subirrigated
025	Hb	Hamerly-Tonka complex	Tonka	25	G102AY900SD	Wet
025	HmA	Hetland silty clay loam, 0 to 2 percent slopes	Hetland	90	G102AY210SD	Clayey Subsoil
025	HmB	Hetland silty clay loam, 2 to 6 percent slopes	Hetland	90	G102AY210SD	Clayey Subsoil
025	KrB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	Kranzburg	40	G102AY100SD	Loam
025	KrB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	Buse	25	G102AY400SD	Limy Upland
025	KrB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	25	G102AY500SD	Overflow
025	MaB	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Maddock	55	G102AY130SD	Very Droughty Loam
025	MaB	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Egeland	35	G102AY120SD	Droughty Loam
025	MaC	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Maddock	60	G102AY130SD	Very Droughty Loam
025	MaC	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Egeland	30	G102AY120SD	Droughty Loam
025	Md	Marysland-Divide loams	Marysland	50	G102AY900SD	Wet
025	Md	Marysland-Divide loams	Divide	40	G102AY700SD	Subirrigated
025	MsA	Mauvais clay loam, 0 to 2 percent slopes	Mauvais	85	G102AY700SD	Subirrigated
025	MtA	Minnewasta sandy loam, 0 to 2 percent slopes	Minnewasta	85	G102AY700SD	Subirrigated
025	MtB	Minnewasta sandy loam, 2 to 6 percent slopes	Minnewasta	90	G102AY700SD	Subirrigated

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025	Mw	Minnewaukan loamy sand	Minnewaukan	90	G102AY900SD	Wet
025	Od	Oldham silty clay loam	Oldham	90	G102AY000SD	Not suited
025	Og	Orthents, gravelly	Orthents	90	G102AY000SD	Not suited
025	Pa	Parnell silty clay loam	Parnell	95	G102AY000SD	Not suited
025	PnB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Poinsett	35	G102AY100SD	Loam
025	PnB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Buse	30	G102AY400SD	Limy Upland
025	PnB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	25	G102AY500SD	Overflow
025	PnC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Poinsett	40	G102AY100SD	Loam
025	PnC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Buse	35	G102AY400SD	Limy Upland
025	PnC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Waubay	15	G102AY100SD	Loam
025	PoC	Poinsett-Rusklyn silty clay loams, 6 to 9 percent slopes	Poinsett	45	G102AY100SD	Loam
025	PoC	Poinsett-Rusklyn silty clay loams, 6 to 9 percent slopes	Rusklyn	40	G102AY400SD	Limy Upland
025	PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	40	G102AY100SD	Loam
025	PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	G102AY500SD	Overflow
025	PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Rusklyn	25	G102AY400SD	Limy Upland
025	PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	55	G102AY100SD	Loam
025	PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	35	G102AY500SD	Overflow
025	PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	65	G102AY100SD	Loam
025	PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	G102AY500SD	Overflow
025	RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Renshaw	45	G102AY130SD	Very Droughty Loam
025	RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Fordville	45	G102AY120SD	Droughty Loam
025	RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Renshaw	55	G102AY130SD	Very Droughty Loam
025	RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Fordville	35	G102AY120SD	Droughty Loam
025	RsA	Renshaw-Sioux complex, 0 to 2 percent slopes	Renshaw	65	G102AY130SD	Very Droughty Loam
025	RsA	Renshaw-Sioux complex, 0 to 2 percent slopes	Sioux	25	G102AY003SD	Very Shallow To Gravel
025	RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Renshaw	55	G102AY130SD	Very Droughty Loam
025	RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Sioux	35	G102AY003SD	Very Shallow To Gravel
025	RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Renshaw	45	G102AY130SD	Very Droughty Loam
025	RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Sioux	45	G102AY000SD	Not suited
025	SnA	Sinai silty clay, 0 to 2 percent slopes	Sinai	90	G102AY210SD	Clayey Subsoil
025	SnB	Sinai silty clay, 2 to 6 percent slopes	Sinai	90	G102AY210SD	Clayey Subsoil
025	SrD	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	55	G102AY000SD	Not suited
025	SrD	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	35	G102AY000SD	Not suited
025	Ss	Southam silty clay loam	Southam	90	G102AY000SD	Not suited
025	Sw	Spottswood clay loam	Spottswood	90	G102AY700SD	Subirrigated
025	To	Tonka silty clay loam	Tonka	90	G102AY900SD	Wet
025	Va	Vallers-Hamerly loams	Vallers	50	G102AY900SD	Wet
025	Va	Vallers-Hamerly loams	Hamerly	40	G102AY700SD	Subirrigated
025	Wa	Waubay silty clay loam	Waubay	90	G102AY500SD	Overflow
025	Wm	Wyndmere fine sandy loam	Wyndmere	90	G102AY700SD	Subirrigated
025	Wp	Wyndmere-Parnell complex	Wyndmere	60	G102AY700SD	Subirrigated

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025	Wp	Wyndmere-Parnell complex	Parnell	30	G102AY000SD	Not suited
029	J108A	Badger-Tonka silty clay loams, 0 to 1 percent slopes	Badger	60	G102AY700SD	Subirrigated
029	J108A	Badger-Tonka silty clay loams, 0 to 1 percent slopes	Tonka	30	G102AY900SD	Wet
029	J109A	Barnes clay loam, 0 to 2 percent slopes	Barnes	80	G102AY100SD	Loam
029	J109B	Barnes clay loam, 2 to 6 percent slopes	Barnes	85	G102AY100SD	Loam
029	J110C	Barnes-Buse loams, 6 to 9 percent slopes	Barnes	55	G102AY100SD	Loam
029	J110C	Barnes-Buse loams, 6 to 9 percent slopes	Buse	35	G102AY400SD	Limy Upland
029	J111B	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Barnes	40	G102AY100SD	Loam
029	J111B	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Buse	30	G102AY400SD	Limy Upland
029	J111B	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Svea	20	G102AY500SD	Overflow
029	J111C	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Barnes	40	G102AY100SD	Loam
029	J111C	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Buse	35	G102AY400SD	Limy Upland
029	J111C	Barnes-Buse-Svea loams, 2 to 9 percent slopes	Svea	20	G102AY100SD	Loam
029	J112A	Barnes-Svea loams, 0 to 2 percent slopes	Barnes	55	G102AY100SD	Loam
029	J112A	Barnes-Svea loams, 0 to 2 percent slopes	Svea	35	G102AY500SD	Overflow
029	J112B	Barnes-Svea loams, 1 to 6 percent slopes	Barnes	60	G102AY100SD	Loam
029	J112B	Barnes-Svea loams, 1 to 6 percent slopes	Svea	30	G102AY500SD	Overflow
029	J113A	Brookings silty clay loam, 0 to 2 percent slopes	Brookings	90	G102AY500SD	Overflow
029	J114C	Buse-Barnes loams, 2 to 15 percent slopes, very stony	Buse	50	G102AY000SD	Not suited
029	J114C	Buse-Barnes loams, 2 to 15 percent slopes, very stony	Barnes	35	G102AY000SD	Not suited
029	J114E	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	50	G102AY000SD	Not suited
029	J114E	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	40	G102AY000SD	Not suited
029	J115D	Buse-Barnes loams, 9 to 20 percent slopes	Buse	50	G102AY400SD	Limy Upland
029	J115D	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	40	G102AY100SD	Loam
029	J116E	Buse-Lamoure, channeled, frequently flooded, complex, 0 to 40 percent slopes	Buse	55	G102AY000SD	Not suited
029	J116E	Buse-Lamoure, channeled, frequently flooded, complex, 0 to 40 percent slopes	Lamoure	30	G102AY900SD	Wet
029	J117E	Buse-Langhei complex, 15 to 40 percent slopes	Buse	50	G102AY000SD	Not suited
029	J117E	Buse-Langhei complex, 15 to 40 percent slopes	Langhei	35	G102AY000SD	Not suited
029	J118C	Buse-Poinsett complex, 6 to 9 percent slopes	Buse	45	G102AY400SD	Limy Upland
029	J118C	Buse-Poinsett complex, 6 to 9 percent slopes	Poinsett	40	G102AY100SD	Loam
029	J119E	Buse-Sioux complex, 9 to 40 percent slopes	Buse	50	G102AY000SD	Not Suited
029	J119E	Buse-Sioux complex, 9 to 40 percent slopes	Sioux	30	G102AY000SD	Not suited
029	J120A	Cavour-Ferney silt loams, 0 to 2 percent slopes	Cavour	50	G102AY800SD	Claypan
029	J120A	Cavour-Ferney silt loams, 0 to 2 percent slopes	Ferney	30	G102AY000SD	Not Suited
029	J121A	Colvin silty clay loam, till substratum, 0 to 1 percent slopes	Colvin	85	G102AY900SD	Wet
029	J122A	Cubden silty clay loam, 0 to 2 percent slopes	Cubden	85	G102AY700SD	Subirrigated
029	J123A	Cubden-Badger silty clay loams, 0 to 2 percent slopes	Cubden	50	G102AY700SD	Subirrigated
029	J123A	Cubden-Badger silty clay loams, 0 to 2 percent slopes	Badger	40	G102AY700SD	Subirrigated
029	J124A	Cubden-Tonka silty clay loams, 0 to 2 percent slopes	Cubden	55	G102AY700SD	Subirrigated
029	J124A	Cubden-Tonka silty clay loams, 0 to 2 percent slopes	Tonka	35	G102AY900SD	Wet
029	J125A	Divide loam, 0 to 2 percent slopes, occasionally flooded	Divide	80	G102AY700SD	Subirrigated
029	J126A	Doburg-Forestville loams, 0 to 2 percent slopes	Doburg	65	G102AY100SD	Loam
029	J126A	Doburg-Forestville loams, 0 to 2 percent slopes	Forestville	28	G102AY500SD	Overflow

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
029	J126B	Doburg-Forestville loams, 1 to 6 percent slopes	Doburg	65	G102AY100SD	Loam
029	J126B	Doburg-Forestville loams, 1 to 6 percent slopes	Forestville	28	G102AY500SD	Overflow
029	J127A	Egeland-Embden complex, 0 to 2 percent slopes	Egeland	50	G102AY120SD	Droughty Loam
029	J127A	Egeland-Embden complex, 0 to 2 percent slopes	Embden	40	G102AY120SD	Droughty Loam
029	J127B	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	60	G102AY120SD	Droughty Loam
029	J127B	Egeland-Embden complex, 2 to 6 percent slopes	Embden	30	G102AY120SD	Droughty Loam
029	J128A	Estelline silt loam, 0 to 2 percent slopes	Estelline	80	G102AY120SD	Droughty Loam
029	J128B	Estelline silt loam, 2 to 6 percent slopes	Estelline	80	G102AY120SD	Droughty Loam
029	J129B	Estelline-Kampeska silt loams, 2 to 6 percent slopes	Estelline	50	G102AY120SD	Droughty Loam
029	J129B	Estelline-Kampeska silt loams, 2 to 6 percent slopes	Kampeska	35	G102AY120SD	Droughty Loam
029	J130B	Estelline-Sioux complex, 2 to 6 percent slopes	Estelline	60	G102AY120SD	Droughty Loam
029	J130B	Estelline-Sioux complex, 2 to 6 percent slopes	Sioux	30	G102AY003SD	Very Shallow To Gravel
029	J131A	Fairdale loam, channeled, 0 to 2 percent slopes, frequently flooded	Fairdale	70	G102AY500SD	Overflow
029	J132A	Fordtown loam, 0 to 2 percent slopes, rarely flooded	Fordtown	80	G102AY120SD	Droughty Loam
029	J133A	Forman-Aastad loams, 0 to 2 percent slopes	Forman	55	G102AY100SD	Loam
029	J133A	Forman-Aastad loams, 0 to 2 percent slopes	Aastad	35	G102AY500SD	Overflow
029	J133B	Forman-Aastad loams, 1 to 6 percent slopes	Forman	60	G102AY100SD	Loam
029	J133B	Forman-Aastad loams, 1 to 6 percent slopes	Aastad	30	G102AY500SD	Overflow
029	J134C	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Forman	40	G102AY100SD	Loam
029	J134C	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Buse	35	G102AY400SD	Limy Upland
029	J134C	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Aastad	20	G102AY100SD	Loam
029	J135A	Goldsmith silty clay loam, 0 to 2 percent slopes	Goldsmith	80	G102AY500SD	Overflow
029	J136A	Great Bend-Beotia silt loams, 0 to 2 percent slopes	Great Bend	55	G102AY100SD	Loam
029	J136A	Great Bend-Beotia silt loams, 0 to 2 percent slopes	Beotia	40	G102AY500SD	Overflow
029	J137B	Great Bend-Zell silt loams, 2 to 6 percent slopes	Great Bend	50	G102AY100SD	Loam
029	J137B	Great Bend-Zell silt loams, 2 to 6 percent slopes	Zell	40	G102AY400SD	Limy Upland
029	J137C	Great Bend-Zell silt loams, 6 to 9 percent slopes	Great Bend	50	G102AY100SD	Loam
029	J137C	Great Bend-Zell silt loams, 6 to 9 percent slopes	Zell	45	G102AY400SD	Limy Upland
029	J138A	Hamerly-Badger complex, 0 to 2 percent slopes	Hamerly	65	G102AY700SD	Subirrigated
029	J138A	Hamerly-Badger complex, 0 to 2 percent slopes	Badger	25	G102AY700SD	Subirrigated
029	J139A	Hamerly-Balaton loams, 0 to 3 percent slopes	Hamerly	55	G102AY700SD	Subirrigated
029	J139A	Hamerly-Balaton loams, 0 to 3 percent slopes	Balaton	35	G102AY400SD	Limy Upland
029	J140A	Hamerly-Tonka complex, 0 to 2 percent slopes	Hamerly	60	G102AY700SD	Subirrigated
029	J140A	Hamerly-Tonka complex, 0 to 2 percent slopes	Tonka	25	G102AY900SD	Wet
029	J141A	Hetland silty clay loam, 0 to 2 percent slopes	Hetland	85	G102AY210SD	Clayey Subsoil
029	J141B	Hetland silty clay loam, 2 to 6 percent slopes	Hetland	85	G102AY210SD	Clayey Subsoil
029	J142A	Hidewood silty clay loam, 0 to 2 percent slopes, frequently flooded	Hidewood	75	G102AY900SD	Wet
029	J143A	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Kranzburg	65	G102AY100SD	Loam
029	J143A	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Brookings	25	G102AY500SD	Overflow
029	J143B	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Kranzburg	70	G102AY100SD	Loam
029	J143B	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Brookings	20	G102AY500SD	Overflow

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
029	J144B	Kings lake-Buse-Waubay complex, 1 to 6 percent slopes	Kings lake	40	G102AY100SD	Loam
029	J144B	Kings lake-Buse-Waubay complex, 1 to 6 percent slopes	Buse	30	G102AY400SD	Limy Upland
029	J144B	Kings lake-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	20	G102AY500SD	Overflow
029	J145A	Kranzburg-Cresbard complex, 0 to 2 percent slopes	Kranzburg	50	G102AY100SD	Loam
029	J145A	Kranzburg-Cresbard complex, 0 to 2 percent slopes	Cresbard	30	G102AY210SD	Clayey Subsoil
029	J146A	Lamoure-Rauville silty clay loams, channeled, 0 to 2 percent slopes, frequently flooded	Lamoure	65	G102AY900SD	Wet
029	J146A	Lamoure-Rauville silty clay loams, channeled, 0 to 2 percent slopes, frequently flooded	Rauville	25	G102AY000SD	Not suited
029	J147A	Lowe loam, 0 to 1 percent slopes, occasionally flooded	Lowe	85	G102AY900SD	Wet
029	J148E	Maddock loamy fine sand, 9 to 25 percent slopes	Maddock	85	G102AY000SD	Not suited
029	J149B	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Maddock	55	G102AY300SD	Sand
029	J149B	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Egeland	35	G102AY120SD	Droughty Loam
029	J149C	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Maddock	60	G102AY300SD	Sand
029	J149C	Maddock-Egeland sandy loams, 6 to 9 percent slopes	Egeland	30	G102AY120SD	Droughty Loam
029	J150A	Mahoney silt loam, 0 to 2 percent slopes	Mahoney	85	G102AY700SD	Subirrigated
029	J151A	Marysland loam, 0 to 1 percent slopes, occasionally flooded	Marysland	80	G102AY900SD	Wet
029	J152A	Mauvais clay loam, occasionally ponded, 0 to 2 percent slopes	Mauvais	80	G102AY700SD	Subirrigated
029	J153B	Mauvais clay loam, occasionally ponded, 2 to 6 percent slopes, extremely stony	Mauvais	80	G102AY000SD	Not suited
029	J154A	Mckranz silty clay loam, 0 to 2 percent slopes	Mckranz	70	G102AY700SD	Subirrigated
029	J155A	Mckranz silty clay loam, moderately saline, 0 to 2 percent slopes	Mckranz	85	G102AY895SD	Saline
029	J156A	Mckranz-Badger silty clay loams, 0 to 2 percent slopes	Mckranz	60	G102AY700SD	Subirrigated
029	J156A	Mckranz-Badger silty clay loams, 0 to 2 percent slopes	Badger	25	G102AY700SD	Subirrigated
029	J157A	Mckranz-Hidewood, frequently flooded, silty clay loams, 0 to 2 percent slopes	Mckranz	65	G102AY700SD	Subirrigated
029	J157A	Mckranz-Hidewood, frequently flooded, silty clay loams, 0 to 2 percent slopes	Hidewood	25	G102AY900SD	Wet
029	J158A	Minnewasta sandy loam, occasionally ponded, 0 to 2 percent slopes	Minnewasta	80	G102AY700SD	Subirrigated
029	J158B	Minnewasta sandy loam, occasionally ponded, 2 to 6 percent slopes	Minnewasta	80	G102AY700SD	Subirrigated
029	J159A	Minnewaukan loamy sand, occasionally ponded, 0 to 3 percent slopes	Minnewaukan	85	G102AY900SD	Wet
029	J160A	Moritz, occasionally flooded-Lamoure, frequently flooded, complex, 0 to 2 percent slopes	Moritz	50	G102AY700SD	Subirrigated
029	J160A	Moritz, occasionally flooded-Lamoure, frequently flooded, complex, 0 to 2 percent slopes	Lamoure	30	G102AY900SD	Wet
029	J161A	Parnell silty clay loam, 0 to 1 percent slopes	Parnell	85	G102AY000SD	Not suited
029	J162B	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Poinsett	40	G102AY100SD	Loam
029	J162B	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Buse	30	G102AY400SD	Limy Upland
029	J162B	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	20	G102AY500SD	Overflow
029	J162C	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Poinsett	40	G102AY100SD	Loam

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
029	J162C	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Buse	30	G102AY400SD	Limy Upland
029	J162C	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Waubay	20	G102AY100SD	Loam
029	J163B	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	45	G102AY100SD	Loam
029	J163B	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Rusklyn	25	G102AY400SD	Limy Upland
029	J163B	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	20	G102AY500SD	Overflow
029	J164A	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	60	G102AY100SD	Loam
029	J164A	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	30	G102AY500SD	Overflow
029	J164B	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	65	G102AY100SD	Loam
029	J164B	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	G102AY500SD	Overflow
029	J165A	Rauville mucky silty clay loam, ponded, 0 to 1 percent slopes, frequently flooded	Rauville	85	G102AY000SD	Not suited
029	J166A	Rauville silty clay loam, 0 to 1 percent slopes, frequently flooded	Rauville	85	G102AY000SD	Not suited
029	J167A	Renshaw loam, 0 to 2 percent slopes	Renshaw	90	G102AY130SD	Very Droughty Loam
029	J167B	Renshaw loam, 2 to 6 percent slopes	Renshaw	85	G102AY130SD	Very Droughty Loam
029	J168A	Renshaw-Fordville loams, 0 to 2 percent slopes	Renshaw	55	G102AY130SD	Very Droughty Loam
029	J168A	Renshaw-Fordville loams, 0 to 2 percent slopes	Fordville	35	G102AY120SD	Droughty Loam
029	J168B	Renshaw-Fordville loams, 2 to 6 percent slopes	Renshaw	60	G102AY130SD	Very Droughty Loam
029	J168B	Renshaw-Fordville loams, 2 to 6 percent slopes	Fordville	30	G102AY120SD	Droughty Loam
029	J169B	Renshaw-Sioux complex, 2 to 6 percent slopes	Renshaw	55	G102AY130SD	Very Droughty Loam
029	J169B	Renshaw-Sioux complex, 2 to 6 percent slopes	Sioux	30	G102AY003SD	Very Shallow To Gravel
029	J169C	Renshaw-Sioux complex, 6 to 9 percent slopes	Renshaw	50	G102AY130SD	Very Droughty Loam
029	J169C	Renshaw-Sioux complex, 6 to 9 percent slopes	Sioux	40	G102AY000SD	Not suited
029	J170A	Rentill loam, 0 to 2 percent slopes	Rentill	90	G102AY120SD	Droughty Loam
029	J171A	Renwash loam, 0 to 2 percent slopes, rarely flooded	Renwash	85	G102AY130SD	Very Droughty Loam
029	J172A	Sedgeville sandy loam, 0 to 1 percent slopes, frequently flooded	Sedgeville	85	G102AY900SD	Wet
029	J173D	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	50	G102AY000SD	Not suited
029	J173D	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	35	G102AY000SD	Not suited
029	J173E	Sioux-Renshaw complex, 15 to 40 percent slopes	Sioux	60	G102AY000SD	Not suited
029	J173E	Sioux-Renshaw complex, 15 to 40 percent slopes	Renshaw	30	G102AY000SD	Not suited
029	J174E	Sioux-Renshaw complex, 15 to 40 percent slopes, very stony	Sioux	60	G102AY000SD	Not suited
029	J174E	Sioux-Renshaw complex, 15 to 40 percent slopes, very stony	Renshaw	30	G102AY000SD	Not suited
029	J175A	Southam silty clay loam, 0 to 1 percent slopes	Southam	90	G102AY000SD	Not suited
029	J176A	Spottswood loam, 0 to 2 percent slopes, occasionally flooded	Spottswood	85	G102AY700SD	Subirrigated
029	J177A	Still lake-Graceland silty clay loams, 0 to 2 percent slopes	Still lake	60	G102AY100SD	Loam
029	J177A	Still lake-Graceland silty clay loams, 0 to 2 percent slopes	Graceland	30	G102AY500SD	Overflow
029	J177B	Still lake-Graceland silty clay loams, 1 to 6 percent slopes	Still lake	65	G102AY100SD	Loam

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
029	J177B	Still lake-Graceland silty clay loams, 1 to 6 percent slopes	Graceland	25	G102AY500SD	Overflow
029	J178A	Swenoda fine sandy loam, 0 to 2 percent slopes	Swenoda	80	G102AY100SD	Loam
029	J179A	Tonka silty clay loam, 0 to 1 percent slopes	Tonka	90	G102AY900SD	Wet
029	J180	Udorthents (gravel pits)	Udorthents	85	G102AY000SD	Not suited
029	J181	Udorthents, loamy (cut and fill land)	Udorthents	95	G102AY000SD	Not suited
029	J182A	Vallers loam, 0 to 1 percent slopes	Vallers	85	G102AY900SD	Wet
029	J183A	Vallers-Hamerly loams, 0 to 2 percent slopes	Vallers	60	G102AY900SD	Wet
029	J183A	Vallers-Hamerly loams, 0 to 2 percent slopes	Hamerly	30	G102AY700SD	Subirrigated
029	J184A	Vallers-Parnell complex, 0 to 2 percent slopes	Vallers	45	G102AY900SD	Wet
029	J184A	Vallers-Parnell complex, 0 to 2 percent slopes	Parnell	35	G102AY000SD	Not suited
029	J185B	Vienna-Barnes-Forestville loams, 1 to 6 percent slopes	Vienna	40	G102AY100SD	Loam
029	J185B	Vienna-Barnes-Forestville loams, 1 to 6 percent slopes	Barnes	30	G102AY100SD	Loam
029	J185B	Vienna-Barnes-Forestville loams, 1 to 6 percent slopes	Forestville	15	G102AY500SD	Overflow
029	J186A	Vienna-Brookings complex, 0 to 2 percent slopes	Vienna	65	G102AY100SD	Loam
029	J186A	Vienna-Brookings complex, 0 to 2 percent slopes	Brookings	25	G102AY500SD	Overflow
029	J186B	Vienna-Brookings complex, 1 to 6 percent slopes	Vienna	70	G102AY100SD	Loam
029	J186B	Vienna-Brookings complex, 1 to 6 percent slopes	Brookings	20	G102AY500SD	Overflow
029	J187C	Vienna-Buse complex, 6 to 9 percent slopes	Vienna	65	G102AY100SD	Loam
029	J187C	Vienna-Buse complex, 6 to 9 percent slopes	Buse	25	G102AY400SD	Limy Upland
029	J188A	Vienna-Forestville loams, 0 to 2 percent slopes	Vienna	60	G102AY100SD	Loam
029	J188A	Vienna-Forestville loams, 0 to 2 percent slopes	Forestville	25	G102AY500SD	Overflow
029	J189B	Wamduska gravelly loamy coarse sand, occasionally ponded, 2 to 6 percent slopes	Wamduska	80	G102AY003SD	Shallow
029	J190B	Wamduska gravelly loamy coarse sand, occasionally ponded, 2 to 6 percent slopes, extremely stony	Wamduska	80	G102AY000SD	Not Suited
029	J191A	Waubay silty clay loam, 0 to 2 percent slopes	Waubay	90	G102AY500SD	Overflow
029	J192A	Waubay-Badger silty clay loams, 0 to 2 percent slopes	Waubay	55	G102AY500SD	Overflow
029	J192A	Waubay-Badger silty clay loams, 0 to 2 percent slopes	Badger	35	G102AY700SD	Subirrigated
029	J193D	Zell-Great Bend silt loams, 9 to 15 percent slopes	Zell	65	G102AY400SD	Limy Upland
029	J193D	Zell-Great Bend silt loams, 9 to 15 percent slopes	Great Bend	30	G102AY100SD	Loam
029	J194A	Oldham silty clay loam, 0 to 1 percent slopes	Oldham	85	G102AY000SD	Not suited
029	J239A	La Prairie loam, 0 to 2 percent slopes, occasionally flooded	La Prairie	85	G102AY500SD	Overflow
029	J241A	Brandt silty clay loam, 0 to 2 percent slopes	Brandt	85	G102AY100SD	Loam
029	J241B	Brandt silty clay loam, 2 to 6 percent slopes	Brandt	80	G102AY100SD	Loam
029	J244A	Lamoure silty clay loam, 0 to 1 percent slopes, occasionally flooded	Lamoure	85	G102AY700SD	Subirrigated
029	J245A	Darnen loam, stratified substratum, 0 to 2 percent slopes	Darnen	90	G102AY500SD	Overflow
029	J246A	Fordville loam, 0 to 2 percent slopes	Fordville	85	G102AY120SD	Droughty Loam
029	J247B	Lanona-Swenoda fine sandy loams, 2 to 6 percent slopes	Lanona	55	G102AY100SD	Loam
029	J247B	Lanona-Swenoda fine sandy loams, 2 to 6 percent slopes	Swenoda	35	G102AY100SD	Loam
029	J257A	Graceland silty clay loam, 0 to 2 percent slopes	Graceland	90	G102AY500SD	Overflow
029	J258B	Darnen loam, 2 to 6 percent slopes	Darnen	90	G102AY100SD	Loam
037	Aa	Aastad loam	Aastad	85	G102AY500SD	Overflow

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
037	Aq	Aquents, saline	aquents	95	G102AY000SD	Not suited
037	ArB	Arvilla sandy loam, 2 to 6 percent slopes	Arvilla	85	G102AY130SD	Very Droughty Loam
037	BnD	Buse-Barnes loams, 9 to 20 percent slopes	Buse	50	G102AY400SD	Limy Upland
037	BnD	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	40	G102AY100SD	Loam
037	BoE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	50	G102AY000SD	Not suited
037	BoE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	40	G102AY000SD	Not suited
037	BpE	Buse-Barnes-Parnell complex, 0 to 25 percent slopes, stony	Buse	40	G102AY000SD	Not suited
037	BpE	Buse-Barnes-Parnell complex, 0 to 25 percent slopes, stony	Barnes	35	G102AY000SD	Not suited
037	BpE	Buse-Barnes-Parnell complex, 0 to 25 percent slopes, stony	Parnell	20	G102AY000SD	Not suited
037	BrE	Buse-Langhei complex, 15 to 40 percent slopes	Buse	50	G102AY000SD	Not suited
037	BrE	Buse-Langhei complex, 15 to 40 percent slopes	Langhei	40	G102AY000SD	Not suited
037	BsE	Buse-La Prairie, channeled-Barnes loams, 0 to 40 percent slopes	Buse	35	G102AY000SD	Not suited
037	BsE	Buse-La Prairie, channeled-Barnes loams, 0 to 40 percent slopes	La Prairie	30	G102AY500SD	Overflow
037	BsE	Buse-La Prairie, channeled-Barnes loams, 0 to 40 percent slopes	Barnes	25	G102AY109SD	Steep Loam
037	BxE	Buse-Sioux complex, 9 to 40 percent slopes	Buse	55	G102AY000SD	Not suited
037	BxE	Buse-Sioux complex, 9 to 40 percent slopes	Sioux	30	G102AY000SD	Not suited
037	Cn	Colvin silty clay loam	Colvin	80	G102AY900SD	Wet
037	Cu	Cubden silty clay loam	Cubden	85	G102AY700SD	Subirrigated
037	Cw	Cubden-Badger silty clay loams	Cubden	55	G102AY700SD	Subirrigated
037	Cw	Cubden-Badger silty clay loams	Badger	35	G102AY700SD	Subirrigated
037	Dd	Divide loam	Divide	80	G102AY700SD	Subirrigated
037	EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	60	G102AY120SD	Droughty Loam
037	EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	30	G102AY120SD	Droughty Loam
037	Fd	Fordville loam, 0 to 2 percent slopes	Fordville	85	G102AY120SD	Droughty Loam
037	FmA	Forman-Aastad loams, 0 to 3 percent slopes	Forman	50	G102AY100SD	Loam
037	FmA	Forman-Aastad loams, 0 to 3 percent slopes	Aastad	40	G102AY500SD	Overflow
037	FmB	Forman-Aastad loams, 1 to 6 percent slopes	Forman	55	G102AY100SD	Loam
037	FmB	Forman-Aastad loams, 1 to 6 percent slopes	Aastad	35	G102AY500SD	Overflow
037	FnB	Forman-Aastad-Parnell complex, 0 to 6 percent slopes	Forman	40	G102AY100SD	Loam
037	FnB	Forman-Aastad-Parnell complex, 0 to 6 percent slopes	Aastad	30	G102AY500SD	Overflow
037	FnB	Forman-Aastad-Parnell complex, 0 to 6 percent slopes	Parnell	20	G102AY000SD	Not suited
037	FoB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Forman	40	G102AY100SD	Loam
037	FoB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Buse	30	G102AY400SD	Limy Upland
037	FoB	Forman-Buse-Aastad loams, 1 to 6 percent slopes	Aastad	20	G102AY500SD	Overflow
037	FoC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Forman	40	G102AY100SD	Loam
037	FoC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Buse	30	G102AY400SD	Limy Upland
037	FoC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Aastad	20	G102AY100SD	Loam
037	FpB	Forman-Buse-Parnell complex, 0 to 6 percent slopes	Forman	45	G102AY100SD	Loam
037	FpB	Forman-Buse-Parnell complex, 0 to 6 percent slopes	Buse	30	G102AY400SD	Limy Upland
037	FpB	Forman-Buse-Parnell complex, 0 to 6 percent slopes	Parnell	20	G102AY000SD	Not suited
037	FpC	Forman-Buse-Parnell complex, 0 to 9 percent slopes	Forman	45	G102AY100SD	Loam

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
037	FpC	Forman-Buse-Parnell complex, 0 to 9 percent slopes	Buse	30	G102AY400SD	Limy Upland
037	FpC	Forman-Buse-Parnell complex, 0 to 9 percent slopes	Parnell	20	G102AY000SD	Not suited
037	HaA	Hamerly loam, 0 to 2 percent slopes	Hamerly	80	G102AY700SD	Subirrigated
037	HaB	Hamerly loam, 2 to 6 percent slopes	Hamerly	80	G102AY700SD	Subirrigated
037	Hb	Hamerly-Parnell complex	Hamerly	50	G102AY700SD	Subirrigated
037	Hb	Hamerly-Parnell complex	Parnell	40	G102AY000SD	Not suited
037	HtA	Hetland silty clay loam, 0 to 2 percent slopes	Hetland	85	G102AY210SD	Clayey Subsoil
037	HuB	Hetland-Rusklyn silty clay loams, 2 to 6 percent slopes	Hetland	50	G102AY210SD	Clayey Subsoil
037	HuB	Hetland-Rusklyn silty clay loams, 2 to 6 percent slopes	Rusklyn	40	G102AY400SD	Limy Upland
037	KcA	Kranzburg-Cresbard silt loams, 0 to 2 percent slopes	Kranzburg	55	G102AY100SD	Loam
037	KcA	Kranzburg-Cresbard silt loams, 0 to 2 percent slopes	Cresbard	30	G102AY210SD	Clayey Subsoil
037	KtB	Kranzburg-Forman complex, 2 to 6 percent slopes	Kranzburg	50	G102AY100SD	Loam
037	KtB	Kranzburg-Forman complex, 2 to 6 percent slopes	Forman	40	G102AY100SD	Loam
037	KwB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	Kranzburg	40	G102AY100SD	Loam
037	KwB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	Buse	25	G102AY400SD	Limy Upland
037	KwB	Kranzburg-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	25	G102AY500SD	Overflow
037	MaA	Maddock-Egeland sandy loams, 0 to 2 percent slopes	Maddock	50	G102AY130SD	Very Droughty Loam
037	MaA	Maddock-Egeland sandy loams, 0 to 2 percent slopes	Egeland	40	G102AY120SD	Droughty Loam
037	MaB	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Maddock	50	G102AY130SD	Very Droughty Loam
037	MaB	Maddock-Egeland sandy loams, 2 to 6 percent slopes	Egeland	40	G102AY120SD	Droughty Loam
037	MaC	Maddock-Egeland sandy loams, 6 to 12 percent slopes	Maddock	55	G102AY130SD	Very Droughty Loam
037	MaC	Maddock-Egeland sandy loams, 6 to 12 percent slopes	Egeland	35	G102AY120SD	Droughty Loam
037	Md	Marysland-Divide loams	Marysland	50	G102AY900SD	Wet
037	Md	Marysland-Divide loams	Divide	40	G102AY700SD	Subirrigated
037	MfB	Mauvais clay loam, 2 to 6 percent slopes	Mauvais	85	G102AY700SD	Subirrigated
037	MgB	Mauvais clay loam, 2 to 6 percent slopes, stony	Mauvais	80	G102AY000SD	Not suited
037	MnA	Minnewasta sandy loam, 0 to 2 percent slopes	Minnewasta	80	G102AY700SD	Subirrigated
037	MoB	Minnewasta sandy loam, 2 to 6 percent slopes, stony	Minnewasta	80	G102AY000SD	Not suited
037	Mw	Minnewaukan loamy sand	Minnewaukan	90	G102AY900SD	Wet
037	NsB	Nutley-Sinai silty clays, 2 to 6 percent slopes	Nutley	60	G102AY210SD	Clayey Subsoil
037	NsB	Nutley-Sinai silty clays, 2 to 6 percent slopes	Sinai	30	G102AY210SD	Clayey Subsoil
037	Oh	Oldham silty clay loam	Oldham	90	G102AY000SD	Not suited
037	Or	Orthents, gravelly	Orthents	90	G102AY000SD	Not suited
037	Pa	Parnell silty clay loam	Parnell	85	G102AY000SD	Not suited
037	PnB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Poinsett	35	G102AY100SD	Loam
037	PnB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Buse	30	G102AY400SD	Limy Upland
037	PnB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	25	G102AY500SD	Overflow
037	PrC	Poinsett-Rusklyn silty clay loams, 6 to 9 percent slopes	Poinsett	50	G102AY100SD	Loam
037	PrC	Poinsett-Rusklyn silty clay loams, 6 to 9 percent slopes	Rusklyn	35	G102AY400SD	Limy Upland
037	PsB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	40	G102AY100SD	Loam
037	PsB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Rusklyn	30	G102AY400SD	Limy Upland

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037	Psb	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	15	G102AY500SD	Overflow
037	PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	50	G102AY100SD	Loam
037	PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	40	G102AY500SD	Overflow
037	PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	60	G102AY100SD	Loam
037	PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	30	G102AY500SD	Overflow
037	Rb	Rauville silty clay loam	Rauville	90	G102AY000SD	Not suited
037	RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Renshaw	50	G102AY130SD	Very Droughty Loam
037	RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Fordville	35	G102AY120SD	Droughty Loam
037	RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Renshaw	65	G102AY130SD	Very Droughty Loam
037	RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Fordville	25	G102AY120SD	Droughty Loam
037	RsA	Renshaw-Sioux loams, 0 to 2 percent slopes	Renshaw	60	G102AY130SD	Very Droughty Loam
037	RsA	Renshaw-Sioux loams, 0 to 2 percent slopes	Sioux	30	G102AY003SD	Very Shallow To Gravel
037	RsB	Renshaw-Sioux complex, 2 to 9 percent slopes	Renshaw	55	G102AY130SD	Very Droughty Loam
037	RsB	Renshaw-Sioux complex, 2 to 9 percent slopes	Sioux	35	G102AY000SD	Not suited
037	SaA	Sinai-Nutley silty clays, 0 to 2 percent slopes	Sinai	60	G102AY210SD	Clayey Subsoil
037	SaA	Sinai-Nutley silty clays, 0 to 2 percent slopes	Nutley	30	G102AY210SD	Clayey Subsoil
037	SbB	Sioux gravelly loamy sand, 2 to 6 percent slopes	Sioux	90	G102AY003SD	Very Shallow To Gravel
037	SoB	Sioux gravelly loamy sand, 2 to 6 percent slopes, very stony	Sioux	90	G102AY000SD	Not suited
037	SrD	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	50	G102AY000SD	Not suited
037	SrD	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	40	G102AY000SD	Not suited
037	SrE	Sioux-Renshaw complex, 15 to 40 percent slopes	Sioux	60	G102AY000SD	Not suited
037	SrE	Sioux-Renshaw complex, 15 to 40 percent slopes	Renshaw	30	G102AY000SD	Not suited
037	SsE	Sioux-Renshaw complex, 9 to 40 percent slopes, very stony	Sioux	60	G102AY000SD	Not suited
037	SsE	Sioux-Renshaw complex, 9 to 40 percent slopes, very stony	Renshaw	30	G102AY000SD	Not suited
037	Sw	Southam silty clay loam	Southam	90	G102AY000SD	Not suited
037	Va	Vallers loam, saline	Vallers	90	G102AY895SD	Saline
037	Vh	Vallers-Hamerly loams	Vallers	60	G102AY900SD	Wet
037	Vh	Vallers-Hamerly loams	Hamerly	30	G102AY700SD	Subirrigated
037	VoA	Vienna-Brookings complex, 0 to 2 percent slopes	Vienna	60	G102AY100SD	Loam
037	VoA	Vienna-Brookings complex, 0 to 2 percent slopes	Brookings	30	G102AY500SD	Overflow
037	VoB	Vienna-Brookings complex, 1 to 6 percent slopes	Vienna	65	G102AY100SD	Loam
037	VoB	Vienna-Brookings complex, 1 to 6 percent slopes	Brookings	25	G102AY500SD	Overflow
039	ArA	Arvilla sandy loam, 0 to 2 percent slopes	Arvilla	95	G102AY130SD	Very Droughty Loam
039	ArB	Arvilla sandy loam, 2 to 6 percent slopes	Arvilla	95	G102AY130SD	Very Droughty Loam
039	ArC	Arvilla sandy loam, 6 to 9 percent slopes	Arvilla	95	G102AY130SD	Very Droughty Loam
039	AvD	Arvilla-Sioux complex, 6 to 15 percent slopes	Arvilla	55	G102AY000SD	Not suited
039	AvD	Arvilla-Sioux complex, 6 to 15 percent slopes	Sioux	35	G102AY000SD	Not suited
039	BaB	Barnes clay loam, 2 to 6 percent slopes	Barnes	90	G102AY100SD	Loam
039	BcB	Barnes-Buse loams, 2 to 6 percent slopes	Barnes	60	G102AY100SD	Loam
039	BcB	Barnes-Buse loams, 2 to 6 percent slopes	Buse	25	G102AY400SD	Limy Upland
039	BcC	Barnes-Buse loams, 6 to 9 percent slopes	Barnes	60	G102AY100SD	Loam

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039	BcC	Barnes-Buse loams, 6 to 9 percent slopes	Buse	25	G102AY400SD	Limy Upland
039	BcE	Barnes-Buse loams, 15 to 25 percent slopes	Barnes	50	G102AY109SD	Steep Loam
039	BcE	Barnes-Buse loams, 15 to 25 percent slopes	Buse	35	G102AY400SD	Limy Upland
039	BeE	Barnes-Buse-Southam complex, 0 to 25 percent slopes	Barnes	35	G102AY100SD	Loam
039	BeE	Barnes-Buse-Southam complex, 0 to 25 percent slopes	Buse	25	G102AY400SD	Limy Upland
039	BeE	Barnes-Buse-Southam complex, 0 to 25 percent slopes	Southam	25	G102AY000SD	Not suited
039	BgB	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Barnes	40	G102AY100SD	Loam
039	BgB	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Buse	30	G102AY400SD	Limy Upland
039	BgB	Barnes-Buse-Svea loams, 1 to 6 percent slopes	Svea	20	G102AY500SD	Overflow
039	BgD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Barnes	40	G102AY100SD	Loam
039	BgD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Buse	25	G102AY400SD	Limy Upland
039	BgD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Svea	25	G102AY100SD	Loam
039	BkA	Barnes-Svea loams, 0 to 2 percent slopes	Barnes	70	G102AY100SD	Loam
039	BkA	Barnes-Svea loams, 0 to 2 percent slopes	Svea	20	G102AY500SD	Overflow
039	BkB	Barnes-Svea loams, 1 to 6 percent slopes	Barnes	60	G102AY100SD	Loam
039	BkB	Barnes-Svea loams, 1 to 6 percent slopes	Svea	25	G102AY500SD	Overflow
039	BmC	Barnes-Svea-Buse loams, 2 to 9 percent slopes	Barnes	40	G102AY100SD	Loam
039	BmC	Barnes-Svea-Buse loams, 2 to 9 percent slopes	Svea	25	G102AY100SD	Loam
039	BmC	Barnes-Svea-Buse loams, 2 to 9 percent slopes	Buse	20	G102AY400SD	Limy Upland
039	BnD	Barnes-Svea-Buse loams, 2 to 12 percent slopes, stony	Barnes	50	G102AY000SD	Not suited
039	BnD	Barnes-Svea-Buse loams, 2 to 12 percent slopes, stony	Svea	25	G102AY000SD	Not suited
039	BnD	Barnes-Svea-Buse loams, 2 to 12 percent slopes, stony	Buse	20	G102AY000SD	Not suited
039	Bp	Brandt silty clay loam, 0 to 2 percent slopes	Brandt	95	G102AY100SD	Loam
039	Br	Brookings silty clay loam	Brookings	95	G102AY500SD	Overflow
039	BtE	Buse loam, 20 to 40 percent slopes	Buse	90	G102AY000SD	Not suited
039	BvE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	55	G102AY000SD	Not suited
039	BvE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	30	G102AY000SD	Not suited
039	BxE	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Buse	50	G102AY000SD	Not suited
039	BxE	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Lamoure	30	G102AY900SD	Wet
039	Ca	Castlewood silty clay	Castlewood	95	G102AY900SD	Wet
039	Cu	Cubden silty clay loam	Cubden	95	G102AY700SD	Subirrigated
039	DcA	Darnen loam, 0 to 2 percent slopes	Darnen	90	G102AY100SD	Loam
039	DcB	Darnen loam, 2 to 6 percent slopes	Darnen	95	G102AY100SD	Loam
039	Dv	Divide loam	Divide	90	G102AY700SD	Subirrigated
039	EcB	Eckman loam, 2 to 6 percent slopes	Eckman	90	G102AY100SD	Loam
039	EgA	Egeland-Embden complex, 0 to 2 percent slopes	Egeland	60	G102AY120SD	Droughty Loam
039	EgA	Egeland-Embden complex, 0 to 2 percent slopes	Embden	30	G102AY120SD	Droughty Loam
039	EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	60	G102AY120SD	Droughty Loam
039	EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	30	G102AY120SD	Droughty Loam
039	EsA	Estelline silt loam, 0 to 2 percent slopes	Estelline	95	G102AY120SD	Droughty Loam
039	EsB	Estelline silt loam, 2 to 6 percent slopes	Estelline	95	G102AY120SD	Droughty Loam
039	FeA	Fordville loam, 0 to 2 percent slopes	Fordville	95	G102AY120SD	Droughty Loam
039	FeB	Fordville loam, 2 to 6 percent slopes	Fordville	95	G102AY120SD	Droughty Loam
039	FgB	Fordville-Renshaw loams, 2 to 6 percent slopes	Fordville	60	G102AY120SD	Droughty Loam
039	FgB	Fordville-Renshaw loams, 2 to 6 percent slopes	Renshaw	35	G102AY130SD	Very Droughty Loam

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
039	FmA	Forman-Aastad loams, 0 to 2 percent slopes	Forman	70	G102AY100SD	Loam
039	FmA	Forman-Aastad loams, 0 to 2 percent slopes	Aastad	20	G102AY500SD	Overflow
039	FmB	Forman-Aastad loams, 1 to 6 percent slopes	Forman	60	G102AY100SD	Loam
039	FmB	Forman-Aastad loams, 1 to 6 percent slopes	Aastad	25	G102AY500SD	Overflow
039	FtC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Forman	40	G102AY100SD	Loam
039	FtC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Aastad	25	G102AY100SD	Loam
039	FtC	Forman-Buse-Aastad loams, 2 to 9 percent slopes	Buse	25	G102AY400SD	Limy Upland
039	FtD	Forman-Buse-Aastad loams, 2 to 15 percent slopes	Forman	40	G102AY100SD	Loam
039	FtD	Forman-Buse-Aastad loams, 2 to 15 percent slopes	Buse	25	G102AY400SD	Limy Upland
039	FtD	Forman-Buse-Aastad loams, 2 to 15 percent slopes	Aastad	25	G102AY100SD	Loam
039	Fx	Fossum sandy loam	Fossum	95	G102AY900SD	Wet
039	Fy	Fulda silty clay loam	Fulda	95	G102AY900SD	Wet
039	Hm	Hamerly-Badger complex	Hamerly	65	G102AY700SD	Subirrigated
039	Hm	Hamerly-Badger complex	Badger	30	G102AY700SD	Subirrigated
039	Hn	Hamerly-Tonka complex, 0 to 2 percent slopes	Hamerly	60	G102AY700SD	Subirrigated
039	Hn	Hamerly-Tonka complex, 0 to 2 percent slopes	Tonka	25	G102AY900SD	Wet
039	HtA	Hegne-Fulda silty clay loams	Hegne	60	G102AY900SD	Wet
039	HtA	Hegne-Fulda silty clay loams	Fulda	30	G102AY900SD	Wet
039	KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Kranzburg	70	G102AY100SD	Loam
039	KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Brookings	20	G102AY500SD	Overflow
039	KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Kranzburg	50	G102AY100SD	Loam
039	KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Brookings	40	G102AY500SD	Overflow
039	KrC	Kranzburg-Brookings silty clay loams, 2 to 9 percent slopes	Kranzburg	60	G102AY100SD	Loam
039	KrC	Kranzburg-Brookings silty clay loams, 2 to 9 percent slopes	Brookings	30	G102AY100SD	Loam
039	La	La Prairie loam	La Prairie	95	G102AY500SD	Overflow
039	Ld	LaDelle silt loam	LaDelle	90	G102AY500SD	Overflow
039	Lm	Lamoure silty clay loam	Lamoure	95	G102AY700SD	Subirrigated
039	Lp	Lamoure-La Prairie complex, channeled	Lamoure	60	G102AY900SD	Wet
039	Lp	Lamoure-La Prairie complex, channeled	La Prairie	25	G102AY500SD	Overflow
039	Lr	Lamoure-Rauville silty clay loams, channeled	Lamoure	60	G102AY900SD	Wet
039	Lr	Lamoure-Rauville silty clay loams, channeled	Rauville	25	G102AY000SD	Not suited
039	Lw	Lowe loam	Lowe	90	G102AY900SD	Wet
039	MdE	Maddock loamy fine sand, 6 to 25 percent slopes	Maddock	90	G102AY000SD	Not suited
039	Mg	Marysland loam	Marysland	95	G102AY900SD	Wet
039	Mk	McIntosh-Badger silty clay loams	McIntosh	65	G102AY700SD	Subirrigated
039	Mk	McIntosh-Badger silty clay loams	Badger	25	G102AY700SD	Subirrigated
039	Mn	McIntosh-Lamoure silty clay loams	McIntosh	65	G102AY700SD	Subirrigated
039	Mn	McIntosh-Lamoure silty clay loams	Lamoure	25	G102AY900SD	Wet
039	Mr	Moritz-Lamoure complex	Moritz	65	G102AY700SD	Subirrigated
039	Mr	Moritz-Lamoure complex	Lamoure	25	G102AY900SD	Wet
039	NsC	Nutley-Sinai silty clays, 6 to 12 percent slopes	Nutley	55	G102AY210SD	Clayey Subsoil

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
039	NsC	Nutley-Sinai silty clays, 6 to 12 percent slopes	Sinai	35	G102AY210SD	Clayey Subsoil
039	Od	Oldham silty clay loam	Oldham	95	G102AY000SD	Not suited
039	Ok	Orthents, gravelly	Orthents	95	G102AY000SD	Not suited
039	Or	Orthents, loamy	Orthents	95	G102AY000SD	Not suited
039	Pa	Parnell silty clay loam	Parnell	95	G102AY000SD	Not suited
039	Pc	Parnell-Vallers complex	Parnell	55	G102AY000SD	Not suited
039	Pc	Parnell-Vallers complex	Vallers	40	G102AY900SD	Wet
039	PeA	Peever clay loam, 0 to 2 percent slopes	Peever	95	G102AY210SD	Clayey Subsoil
039	PeB	Peever clay loam, 2 to 6 percent slopes	Peever	95	G102AY210SD	Clayey Subsoil
039	Pg	Peever-Cavour clay loams	Peever	65	G102AY210SD	Clayey Subsoil
039	Pg	Peever-Cavour clay loams	Cavour	25	G102AY800SD	Claypan
039	Pm	Playmoor silty clay loam	Playmoor	90	G102AY895SD	Saline
039	PoC	Poinsett silty clay loam, 6 to 9 percent slopes	Poinsett	95	G102AY100SD	Loam
039	PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	70	G102AY100SD	Loam
039	PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	20	G102AY500SD	Overflow
039	PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	60	G102AY100SD	Loam
039	PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	30	G102AY500SD	Overflow
039	Rc	Rauville silty clay loam	Rauville	95	G102AY000SD	Not suited
039	ReA	Renshaw loam, 0 to 2 percent slopes	Renshaw	95	G102AY130SD	Very Droughty Loam
039	ReB	Renshaw loam, 2 to 6 percent slopes	Renshaw	95	G102AY130SD	Very Droughty Loam
039	RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Renshaw	60	G102AY130SD	Very Droughty Loam
039	RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Sioux	30	G102AY003SD	Very Shallow To Gravel
039	RtA	Rentill loam	Rentill	90	G102AY120SD	Droughty Loam
039	SbA	Sinai silty clay, 0 to 2 percent slopes	Sinai	90	G102AY210SD	Clayey Subsoil
039	SbB	Sinai silty clay, 2 to 6 percent slopes	Sinai	90	G102AY210SD	Clayey Subsoil
039	ShA	Singsaas-Waubay silty clay loams, 0 to 2 percent slopes	Singsaas	60	G102AY100SD	Loam
039	ShA	Singsaas-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	30	G102AY500SD	Overflow
039	ShB	Singsaas-Waubay silty clay loams, 1 to 6 percent slopes	Singsaas	60	G102AY100SD	Loam
039	ShB	Singsaas-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	G102AY500SD	Overflow
039	SkF	Sioux-Arvilla complex, 15 to 40 percent slopes	Sioux	65	G102AY000SD	Not suited
039	SkF	Sioux-Arvilla complex, 15 to 40 percent slopes	Arvilla	30	G102AY000SD	Not suited
039	SnD	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	55	G102AY000SD	Not suited
039	SnD	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	35	G102AY000SD	Not suited
039	So	Southam silty clay loam	Southam	95	G102AY000SD	Not suited
039	SwA	Swenoda sandy loam, 0 to 2 percent slopes	Swenoda	95	G102AY100SD	Loam
039	SwB	Swenoda sandy loam, 2 to 6 percent slopes	Swenoda	95	G102AY100SD	Loam
039	Vc	Vallers loam	Vallers	95	G102AY900SD	Wet
039	VrA	Vienna-Brookings complex, 0 to 2 percent slopes	Vienna	60	G102AY100SD	Loam
039	VrA	Vienna-Brookings complex, 0 to 2 percent slopes	Brookings	30	G102AY500SD	Overflow
039	VtB	Vienna-Brookings complex, 1 to 6 percent slopes	Vienna	60	G102AY100SD	Loam
039	VtB	Vienna-Brookings complex, 1 to 6 percent slopes	Brookings	30	G102AY500SD	Overflow
039	VwC	Vienna-Buse complex, 6 to 9 percent slopes	Vienna	60	G102AY100SD	Loam
039	VwC	Vienna-Buse complex, 6 to 9 percent slopes	Buse	30	G102AY400SD	Limy Upland
039	VzA	Vienna-Forestville loams, 0 to 2 percent slopes	Vienna	60	G102AY100SD	Loam
039	VzA	Vienna-Forestville loams, 0 to 2 percent slopes	Forestville	25	G102AY500SD	Overflow

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
039	VzB	Vienna-Barnes-Forestville complex, 1 to 6 percent slopes	Vienna	40	G102AY100SD	Loam
039	VzB	Vienna-Barnes-Forestville complex, 1 to 6 percent slopes	Barnes	30	G102AY100SD	Loam
039	VzB	Vienna-Barnes-Forestville complex, 1 to 6 percent slopes	Forestville	15	G102AY500SD	Overflow
039	ZrC	Zell-Eckman complex, 6 to 12 percent slopes	Zell	60	G102AY400SD	Limy Upland
039	ZrC	Zell-Eckman complex, 6 to 12 percent slopes	Eckman	30	G102AY100SD	Loam
051	Aa	Aastad-Flom complex	Aastad	60	G102AY500SD	Overflow
051	Aa	Aastad-Flom complex	Flom	30	G102AY900SD	Wet
051	AbA	Arvilla sandy loam, 0 to 2 percent slopes	Arvilla	90	G102AY130SD	Very Droughty Loam
051	AbB	Arvilla sandy loam, 2 to 6 percent slopes	Arvilla	90	G102AY130SD	Very Droughty Loam
051	AbC	Arvilla sandy loam, 6 to 9 percent slopes	Arvilla	90	G102AY130SD	Very Droughty Loam
051	BaE	Barnes-Buse extremely stony loams, 9 to 40 percent slopes	Barnes	50	G102AY000SD	Not suited
051	BaE	Barnes-Buse extremely stony loams, 9 to 40 percent slopes	Buse	30	G102AY000SD	Not suited
051	BbB	Barnes-Svea loams, 1 to 6 percent slopes	Barnes	65	G102AY100SD	Loam
051	BbB	Barnes-Svea loams, 1 to 6 percent slopes	Svea	25	G102AY500SD	Overflow
051	BbC	Barnes-Svea loams, 3 to 9 percent slopes	Barnes	55	G102AY100SD	Loam
051	BbC	Barnes-Svea loams, 3 to 9 percent slopes	Svea	25	G102AY100SD	Loam
051	BbD	Barnes-Svea loams, 4 to 15 percent slopes	Barnes	45	G102AY100SD	Loam
051	BbD	Barnes-Svea loams, 4 to 15 percent slopes	Svea	30	G102AY100SD	Loam
051	Bc	Cubden silty clay loam	Cubden	90	G102AY700SD	Subirrigated
051	Bd	Brookings silt loam	Brookings	90	G102AY500SD	Overflow
051	BeF	Buse-Forman loams, 25 to 40 percent slopes	Buse	60	G102AY000SD	Not suited
051	BeF	Buse-Forman loams, 25 to 40 percent slopes	Forman	25	G102AY000SD	Not suited
051	BfD	Buse-Forman-Aastad loams, 4 to 15 percent slopes	Buse	45	G102AY400SD	Limy Upland
051	BfD	Buse-Forman-Aastad loams, 4 to 15 percent slopes	Aastad	25	G102AY100SD	Loam
051	BfD	Buse-Forman-Aastad loams, 4 to 15 percent slopes	Forman	25	G102AY100SD	Loam
051	Da	Divide loam	Divide	85	G102AY700SD	Subirrigated
051	Db	Castlewood silty clay	Castlewood	85	G102AY900SD	Wet
051	EaA	Egeland fine sandy loam, 0 to 2 percent slopes	Egeland	90	G102AY120SD	Droughty Loam
051	EaB	Egeland fine sandy loam, 2 to 6 percent slopes	Egeland	85	G102AY120SD	Droughty Loam
051	Ec	Estelline silty clay loam	Estelline	90	G102AY120SD	Droughty Loam
051	Fa	Flom clay loam	Flom	90	G102AY900SD	Wet
051	FbA	Fordville loam, 0 to 2 percent slopes	Fordville	90	G102AY120SD	Droughty Loam
051	FcB	Fordville-Renshaw loams, 2 to 6 percent slopes	Fordville	60	G102AY120SD	Droughty Loam
051	FcB	Fordville-Renshaw loams, 2 to 6 percent slopes	Renshaw	30	G102AY130SD	Very Droughty Loam
051	FdA	Forman-Aastad loams, 0 to 2 percent slopes	Forman	70	G102AY100SD	Loam
051	FdA	Forman-Aastad loams, 0 to 2 percent slopes	Aastad	20	G102AY500SD	Overflow
051	FdB	Forman-Aastad loams, 1 to 6 percent slopes	Forman	60	G102AY100SD	Loam
051	FdB	Forman-Aastad loams, 1 to 6 percent slopes	Aastad	25	G102AY500SD	Overflow
051	FdC	Forman-Aastad loams, 3 to 9 percent slopes	Forman	55	G102AY100SD	Loam
051	FdC	Forman-Aastad loams, 3 to 9 percent slopes	Aastad	25	G102AY100SD	Loam
051	FdD	Forman-Aastad loams, 4 to 15 percent slopes	Forman	50	G102AY100SD	Loam
051	FdD	Forman-Aastad loams, 4 to 15 percent slopes	Aastad	30	G102AY100SD	Loam

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051	FeC	Forman-Aastad extremely stony complex, 0 to 9 percent slopes	Forman	65	G102AY000SD	Not suited
051	FeC	Forman-Aastad extremely stony complex, 0 to 9 percent slopes	Aastad	25	G102AY000SD	Not suited
051	FgC	Forman-Buse loams, 6 to 9 percent slopes	Forman	50	G102AY100SD	Loam
051	FgC	Forman-Buse loams, 6 to 9 percent slopes	Buse	25	G102AY400SD	Limy Upland
051	FgE	Forman-Buse loams, 15 to 25 percent slopes	Forman	45	G102AY109SD	Steep Loam
051	FgE	Forman-Buse loams, 15 to 25 percent slopes	Buse	30	G102AY400SD	Limy Upland
051	FhE	Forman-Buse extremely stony loams, 9 to 40 percent slopes	Forman	40	G102AY000SD	Not suited
051	FhE	Forman-Buse extremely stony loams, 9 to 40 percent slopes	Buse	35	G102AY000SD	Not suited
051	HaD	Hattie clay loam, 9 to 15 percent slopes	Hattie	85	G102AY210SD	Clayey Subsoil
051	HaE	Hattie clay loam, 15 to 40 percent slopes	Hattie	85	G102AY000SD	Not suited
051	HbB	Heimdal-Sisseton loams, 2 to 6 percent slopes	Heimdal	52	G102AY100SD	Loam
051	HbB	Heimdal-Sisseton loams, 2 to 6 percent slopes	Sisseton	28	G102AY400SD	Limy Upland
051	HbC	Heimdal-Sisseton loams, 6 to 9 percent slopes	Heimdal	45	G102AY100SD	Loam
051	HbC	Heimdal-Sisseton loams, 6 to 9 percent slopes	Sisseton	40	G102AY400SD	Limy Upland
051	HcA	Heimdal-Svea loams, 0 to 2 percent slopes	Heimdal	70	G102AY100SD	Loam
051	HcA	Heimdal-Svea loams, 0 to 2 percent slopes	Svea	20	G102AY500SD	Overflow
051	HcB	Heimdal-Svea loams, 2 to 6 percent slopes	Heimdal	60	G102AY100SD	Loam
051	HcB	Heimdal-Svea loams, 2 to 6 percent slopes	Svea	25	G102AY500SD	Overflow
051	La	LaDelle silt loam	LaDelle	90	G102AY500SD	Overflow
051	Lb	LaDelle silt loam, channeled	LaDelle	85	G102AY500SD	Overflow
051	Lc	Ludden silty clay	Ludden	90	G102AY900SD	Wet
051	Lp	La Prairie loam	La Prairie	90	G102AY500SD	Overflow
051	MaE	Maddock loamy fine sand, 6 to 25 percent slopes	Maddock	85	G102AY000SD	Not suited
051	Mb	Marysland loam	Marysland	90	G102AY900SD	Wet
051	Oa	Overly silty clay loam	Overly	90	G102AY100SD	Loam
051	Pa	Parnell silty clay loam	Parnell	90	G102AY000SD	Not suited
051	Pb	Southam silty clay loam	Southam	90	G102AY000SD	Not suited
051	PcA	Peever clay loam, 0 to 2 percent slopes	Peever	85	G102AY210SD	Clayey Subsoil
051	PcB	Peever clay loam, 2 to 6 percent slopes	Peever	85	G102AY210SD	Clayey Subsoil
051	PcC	Peever clay loam, 6 to 9 percent slopes	Peever	85	G102AY210SD	Clayey Subsoil
051	Pd	Peever-Cavour complex	Peever	60	G102AY210SD	Clayey Subsoil
051	Pd	Peever-Cavour complex	Cavour	30	G102AY800SD	Claypan
051	Pe	Peever-Tonka complex	Peever	62	G102AY210SD	Clayey Subsoil
051	Pe	Peever-Tonka complex	Tonka	28	G102AY900SD	Wet
051	Pf	Orthents, gravelly	Orthents	100	G102AY000SD	Not suited
051	Ph	Playmoor silty clay loam	Playmoor	85	G102AY895SD	Saline
051	Po	Poinsett silt loam	Poinsett	90	G102AY100SD	Loam
051	Ra	Rauville silty clay loam	Rauville	90	G102AY000SD	Not suited
051	RbA	Renshaw loam, 0 to 2 percent slopes	Renshaw	90	G102AY130SD	Very Droughty Loam
051	RbB	Renshaw loam, 2 to 6 percent slopes	Renshaw	85	G102AY130SD	Very Droughty Loam
051	RcD	Renshaw-Sioux complex, 6 to 15 percent slopes	Renshaw	55	G102AY000SD	Not suited
051	RcD	Renshaw-Sioux complex, 6 to 15 percent slopes	Sioux	35	G102AY000SD	Not suited

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
051	RdE	Renshaw-Sioux extremely stony complex, 6 to 40 percent slopes	Renshaw	50	G102AY000SD	Not suited
051	RdE	Renshaw-Sioux extremely stony complex, 6 to 40 percent slopes	Sioux	40	G102AY000SD	Not suited
051	ReA	Rentill loam, 0 to 2 percent slopes	Rentill	90	G102AY120SD	Droughty Loam
051	SaE	Sioux-Renshaw complex, 15 to 40 percent slopes	Sioux	65	G102AY000SD	Not suited
051	SaE	Sioux-Renshaw complex, 15 to 40 percent slopes	Renshaw	25	G102AY000SD	Not suited
051	SbE	Sisseton loam, 15 to 40 percent slopes	Sisseton	85	G102AY000SD	Not suited
051	ScD	Sisseton-Heimdal loams, 9 to 15 percent slopes	Sisseton	45	G102AY400SD	Limy Upland
051	ScD	Sisseton-Heimdal loams, 9 to 15 percent slopes	Heimdal	30	G102AY100SD	Loam
051	Sd	Svea loam	Svea	90	G102AY500SD	Overflow
051	SeA	Swenoda fine sandy loam, 0 to 2 percent slopes	Swenoda	85	G102AY100SD	Loam
051	Ta	Tonka silt loam	Tonka	90	G102AY900SD	Wet
051	Va	Vallers loam	Vallers	90	G102AY900SD	Wet
051	Vb	Vallers-Parnell complex	Vallers	55	G102AY900SD	Wet
051	Vb	Vallers-Parnell complex	Parnell	35	G102AY000SD	Not suited
051	Vc	Vallers-Tonka complex	Vallers	55	G102AY900SD	Wet
051	Vc	Vallers-Tonka complex	Tonka	35	G102AY900SD	Wet
051	VdD	Vienna-Buse complex, 9 to 15 percent slopes	Vienna	50	G102AY100SD	Loam
051	VdD	Vienna-Buse complex, 9 to 15 percent slopes	Buse	30	G102AY400SD	Limy Upland
051	VeA	Vienna-Lismore silt loams, 0 to 2 percent slopes	Vienna	65	G102AY100SD	Loam
051	VeA	Vienna-Lismore silt loams, 0 to 2 percent slopes	Lismore	25	G102AY500SD	Overflow
051	VeB	Vienna-Lismore silt loams, 1 to 6 percent slopes	Vienna	58	G102AY100SD	Loam
051	VeB	Vienna-Lismore silt loams, 1 to 6 percent slopes	Lismore	32	G102AY500SD	Overflow
051	VeC	Vienna-Lismore silt loams, 3 to 9 percent slopes	Vienna	60	G102AY100SD	Loam
051	VeC	Vienna-Lismore silt loams, 3 to 9 percent slopes	Lismore	30	G102AY100SD	Loam
057	ArA	Arvilla sandy loam, 0 to 2 percent slopes	Arvilla	85	G102AY130SD	Very Droughty Loam
057	Ba	Badger silty clay loam	Badger	85	G102AY700SD	Subirrigated
057	BaB	Barnes clay loam, 2 to 6 percent slopes	Barnes	85	G102AY100SD	Loam
057	BbB	Barnes-Buse loams, 2 to 6 percent slopes	Barnes	65	G102AY100SD	Loam
057	BbB	Barnes-Buse loams, 2 to 6 percent slopes	Buse	25	G102AY400SD	Limy Upland
057	BbC	Barnes-Buse loams, 6 to 9 percent slopes	Barnes	55	G102AY100SD	Loam
057	BbC	Barnes-Buse loams, 6 to 9 percent slopes	Buse	35	G102AY400SD	Limy Upland
057	BcD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Barnes	40	G102AY100SD	Loam
057	BcD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Buse	30	G102AY400SD	Limy Upland
057	BcD	Barnes-Buse-Svea loams, 2 to 15 percent slopes	Svea	20	G102AY100SD	Loam
057	BnA	Barnes-Vienna complex, 0 to 2 percent slopes	Barnes	75	G102AY100SD	Loam
057	BnA	Barnes-Vienna complex, 0 to 2 percent slopes	Vienna	15	G102AY100SD	Loam
057	BrA	Brandt silty clay loam, 0 to 2 percent slopes	Brandt	85	G102AY100SD	Loam
057	BrB	Brandt silty clay loam, 2 to 6 percent slopes	Brandt	85	G102AY100SD	Loam
057	Bs	Brookings silty clay loam	Brookings	85	G102AY500SD	Overflow
057	BtD	Buse-Barnes loams, 9 to 20 percent slopes	Buse	50	G102AY400SD	Limy Upland
057	BtD	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	40	G102AY100SD	Loam
057	BuC	Buse-Barnes loams, 2 to 15 percent slopes, very stony	Buse	50	G102AY000SD	Not suited
057	BuC	Buse-Barnes loams, 2 to 15 percent slopes, very stony	Barnes	35	G102AY000SD	Not suited
057	BuE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Buse	60	G102AY000SD	Not suited
057	BuE	Buse-Barnes loams, 9 to 40 percent slopes, very stony	Barnes	30	G102AY000SD	Not suited

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057	BvD	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Buse	50	G102AY000SD	Not suited
057	BvD	Buse-Lamoure, channeled, complex, 0 to 40 percent slopes	Lamoure	30	G102AY900SD	Wet
057	BxE	Buse-Langhei complex, 15 to 40 percent slopes	Buse	50	G102AY000SD	Not suited
057	BxE	Buse-Langhei complex, 15 to 40 percent slopes	Langhei	35	G102AY000SD	Not suited
057	ByC	Buse-Poinsett complex, 6 to 9 percent slopes	Buse	50	G102AY400SD	Limy Upland
057	ByC	Buse-Poinsett complex, 6 to 9 percent slopes	Poinsett	35	G102AY100SD	Loam
057	ByD	Buse-Poinsett complex, 9 to 15 percent slopes	Buse	50	G102AY400SD	Limy Upland
057	ByD	Buse-Poinsett complex, 9 to 15 percent slopes	Poinsett	40	G102AY100SD	Loam
057	Ca	Castlewood silty clay	Castlewood	85	G102AY900SD	Wet
057	Co	Colvin-Oldham silty clay loams	Colvin	50	G102AY000SD	Not suited
057	Co	Colvin-Oldham silty clay loams	Oldham	40	G102AY000SD	Not suited
057	Cu	Cubden-Badger silty clay loams	Cubden	60	G102AY700SD	Subirrigated
057	Cu	Cubden-Badger silty clay loams	Badger	30	G102AY700SD	Subirrigated
057	Cx	Cubden-Tonka silty clay loams	Cubden	60	G102AY700SD	Subirrigated
057	Cx	Cubden-Tonka silty clay loams	Tonka	30	G102AY900SD	Wet
057	Dv	Divide loam	Divide	85	G102AY700SD	Subirrigated
057	EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	60	G102AY120SD	Droughty Loam
057	EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	30	G102AY120SD	Droughty Loam
057	EmC	Egeland-Maddock sandy loams, 6 to 9 percent slopes	Egeland	55	G102AY120SD	Droughty Loam
057	EmC	Egeland-Maddock sandy loams, 6 to 9 percent slopes	Maddock	35	G102AY130SD	Very Droughty Loam
057	EsA	Estelline silt loam, 0 to 2 percent slopes	Estelline	85	G102AY120SD	Droughty Loam
057	EsB	Estelline silt loam, 2 to 6 percent slopes	Estelline	85	G102AY120SD	Droughty Loam
057	Fa	Fairdale loam, channeled	Fairdale	75	G102AY500SD	Overflow
057	FdA	Fordville loam, 0 to 2 percent slopes	Fordville	85	G102AY120SD	Droughty Loam
057	FoB	Fordville-Renshaw loams, 2 to 6 percent slopes	Fordville	65	G102AY120SD	Droughty Loam
057	FoB	Fordville-Renshaw loams, 2 to 6 percent slopes	Renshaw	25	G102AY130SD	Very Droughty Loam
057	HeA	Hetland silty clay loam, 0 to 2 percent slopes	Hetland	85	G102AY210SD	Clayey Subsoil
057	HeB	Hetland silty clay loam, 2 to 6 percent slopes	Hetland	85	G102AY210SD	Clayey Subsoil
057	KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Kranzburg	65	G102AY100SD	Loam
057	KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Brookings	25	G102AY500SD	Overflow
057	KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Kranzburg	70	G102AY100SD	Loam
057	KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	Brookings	20	G102AY500SD	Overflow
057	La	La Prairie loam	La Prairie	85	G102AY500SD	Overflow
057	Ld	LaDelle silt loam	LaDelle	85	G102AY500SD	Overflow
057	Lm	Lamoure silty clay loam	Lamoure	85	G102AY700SD	Subirrigated
057	Lr	Lamoure-Rauville silty clay loams, channeled	Lamoure	60	G102AY900SD	Wet
057	Lr	Lamoure-Rauville silty clay loams, channeled	Rauville	25	G102AY000SD	Not suited
057	Lw	Lowe loam	Lowe	85	G102AY900SD	Wet
057	Ma	Marysland loam	Marysland	85	G102AY900SD	Wet
057	MbA	Mauvais clay loam, 0 to 2 percent slopes	Mauvais	85	G102AY700SD	Subirrigated
057	Mc	McIntosh-Badger silty clay loams	McIntosh	50	G102AY700SD	Subirrigated

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
057	Mc	McIntosh-Badger silty clay loams	Badger	35	G102AY700SD	Subirrigated
057	Mn	Minnewaukan loamy sand	Minnewaukan	85	G102AY900SD	Wet
057	Mz	Moritz-Lamoure complex	Moritz	50	G102AY700SD	Subirrigated
057	Mz	Moritz-Lamoure complex	Lamoure	40	G102AY900SD	Wet
057	Oh	Oldham silty clay loam	Oldham	85	G102AY000SD	Not suited
057	Or	Orthents, gravelly	Orthents	85	G102AY000SD	Not suited
057	Pa	Parnell silty clay loam	Parnell	85	G102AY000SD	Not suited
057	Pm	Playmoor silty clay loam	Playmoor	85	G102AY895SD	Saline
057	PoB	Poinsett-Buse complex, 2 to 6 percent slopes	Poinsett	55	G102AY100SD	Loam
057	PoB	Poinsett-Buse complex, 2 to 6 percent slopes	Buse	30	G102AY400SD	Limy Upland
057	PsB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Poinsett	45	G102AY100SD	Loam
057	PsB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Buse	25	G102AY400SD	Limy Upland
057	PsB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	20	G102AY500SD	Overflow
057	PsC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Poinsett	40	G102AY100SD	Loam
057	PsC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Buse	30	G102AY400SD	Limy Upland
057	PsC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Waubay	20	G102AY100SD	Loam
057	PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	60	G102AY100SD	Loam
057	PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	30	G102AY500SD	Overflow
057	PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	70	G102AY100SD	Loam
057	PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	20	G102AY500SD	Overflow
057	Ra	Rauville silty clay loam	Rauville	85	G102AY000SD	Not suited
057	ReA	Renshaw loam, 0 to 2 percent slopes	Renshaw	85	G102AY130SD	Very Droughty Loam
057	ReB	Renshaw loam, 2 to 6 percent slopes	Renshaw	85	G102AY130SD	Very Droughty Loam
057	RnC	Renshaw-Brandt complex, 3 to 9 percent slopes	Renshaw	50	G102AY130SD	Very Droughty Loam
057	RnC	Renshaw-Brandt complex, 3 to 9 percent slopes	Brandt	35	G102AY100SD	Loam
057	RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Renshaw	55	G102AY130SD	Very Droughty Loam
057	RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Sioux	35	G102AY000SD	Not suited
057	SaD	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	50	G102AY000SD	Not suited
057	SaD	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	40	G102AY000SD	Not suited
057	So	Southam silty clay loam	Southam	85	G102AY000SD	Not suited
057	Sp	Spottswood loam	Spottswood	85	G102AY700SD	Subirrigated
057	StB	Strayhoss loam, 2 to 6 percent slopes	Strayhoss	85	G102AY100SD	Loam
057	To	Tonka silty clay loam	Tonka	85	G102AY900SD	Wet
057	VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Vienna	70	G102AY100SD	Loam
057	VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Brookings	20	G102AY500SD	Overflow
057	VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Vienna	70	G102AY100SD	Loam
057	VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Brookings	15	G102AY500SD	Overflow
057	VnC	Vienna-Buse complex, 6 to 9 percent slopes	Vienna	70	G102AY100SD	Loam
057	VnC	Vienna-Buse complex, 6 to 9 percent slopes	Buse	20	G102AY400SD	Limy Upland
057	Wa	Waubay silty clay loam	Waubay	85	G102AY500SD	Overflow
077	Ba	Badger silty clay loam	Badger	90	G102AY700SD	Subirrigated
077	BcB	Barnes-Buse loams, 2 to 6 percent slopes	Barnes	60	G102AY100SD	Loam
077	BcB	Barnes-Buse loams, 2 to 6 percent slopes	Buse	25	G102AY400SD	Limy Upland
077	BcC	Barnes-Buse loams, 6 to 9 percent slopes	Barnes	50	G102AY100SD	Loam
077	BcC	Barnes-Buse loams, 6 to 9 percent slopes	Buse	40	G102AY400SD	Limy Upland
077	BrB	Brandt silty clay loam, 2 to 6 percent slopes	Brandt	90	G102AY100SD	Loam

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
077	BuC	Buse-Barnes loams, 6 to 9 percent slopes	Buse	50	G102AY400SD	Limy Upland
077	BuC	Buse-Barnes loams, 6 to 9 percent slopes	Barnes	40	G102AY100SD	Loam
077	BuD	Buse-Barnes loams, 9 to 20 percent slopes	Buse	50	G102AY400SD	Limy Upland
077	BuD	Buse-Barnes loams, 9 to 20 percent slopes	Barnes	40	G102AY100SD	Loam
077	BxD	Buse-Holmquist, channeled, loams, 0 to 20 percent slopes	Buse	50	G102AY400SD	Limy Upland
077	BxD	Buse-Holmquist, channeled, loams, 0 to 20 percent slopes	Holmquist	40	G102AY895SD	Saline
077	Cu	Cubden silty clay loam	Cubden	85	G102AY700SD	Subirrigated
077	Cv	Cubden-Badger silty clay loams	Cubden	45	G102AY700SD	Subirrigated
077	Cv	Cubden-Badger silty clay loams	Badger	40	G102AY700SD	Subirrigated
077	Cw	Cubden-Tonka silty clay loams	Cubden	60	G102AY700SD	Subirrigated
077	Cw	Cubden-Tonka silty clay loams	Tonka	30	G102AY900SD	Wet
077	Dv	Divide loam	Divide	90	G102AY700SD	Subirrigated
077	EgA	Egeland-Embden complex, 0 to 2 percent slopes	Egeland	50	G102AY120SD	Droughty Loam
077	EgA	Egeland-Embden complex, 0 to 2 percent slopes	Embden	40	G102AY120SD	Droughty Loam
077	EgB	Egeland-Embden complex, 2 to 6 percent slopes	Egeland	70	G102AY120SD	Droughty Loam
077	EgB	Egeland-Embden complex, 2 to 6 percent slopes	Embden	20	G102AY120SD	Droughty Loam
077	EmC	Egeland-Maddock sandy loams, 6 to 9 percent slopes	Egeland	70	G102AY120SD	Droughty Loam
077	EmC	Egeland-Maddock sandy loams, 6 to 9 percent slopes	Maddock	20	G102AY130SD	Very Droughty Loam
077	HeA	Hetland silty clay loam, 0 to 2 percent slopes	Hetland	90	G102AY210SD	Clayey Subsoil
077	HeB	Hetland silty clay loam, 2 to 6 percent slopes	Hetland	90	G102AY210SD	Clayey Subsoil
077	Lh	La Prairie-Holmquist loams, channeled	La Prairie	50	G102AY500SD	Overflow
077	Lh	La Prairie-Holmquist loams, channeled	Holmquist	40	G102AY895SD	Saline
077	Lm	Lamoure silty clay loam	Lamoure	85	G102AY700SD	Subirrigated
077	Lo	Lowe loam	Lowe	90	G102AY900SD	Wet
077	Ma	Marysland loam	Marysland	85	G102AY900SD	Wet
077	MeA	Minnewasta sandy loam, 0 to 2 percent slopes	Minnewasta	90	G102AY700SD	Subirrigated
077	Mw	Minnewaukan loamy sand	Minnewaukan	90	G102AY900SD	Wet
077	Od	Oldham silty clay loam	Oldham	90	G102AY000SD	Not suited
077	Og	Orthents, gravelly	Orthents	90	G102AY000SD	Not suited
077	Pa	Parnell silty clay loam	Parnell	90	G102AY000SD	Not suited
077	Pm	Playmoor silty clay loam	Playmoor	90	G102AY895SD	Saline
077	PoB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Poinsett	45	G102AY100SD	Loam
077	PoB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Buse	25	G102AY400SD	Limy Upland
077	PoB	Poinsett-Buse-Waubay complex, 1 to 6 percent slopes	Waubay	20	G102AY500SD	Overflow
077	PoC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Poinsett	40	G102AY100SD	Loam
077	PoC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Buse	30	G102AY400SD	Limy Upland
077	PoC	Poinsett-Buse-Waubay complex, 2 to 9 percent slopes	Waubay	20	G102AY100SD	Loam
077	PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	40	G102AY100SD	Loam
077	PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Rusklyn	30	G102AY400SD	Limy Upland
077	PrB	Poinsett-Rusklyn-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	20	G102AY500SD	Overflow
077	PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	55	G102AY100SD	Loam

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077	PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	35	G102AY500SD	Overflow
077	PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Poinsett	65	G102AY100SD	Loam
077	PwB	Poinsett-Waubay silty clay loams, 1 to 6 percent slopes	Waubay	25	G102AY500SD	Overflow
077	RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Renshaw	55	G102AY130SD	Very Droughty Loam
077	RfA	Renshaw-Fordville loams, 0 to 2 percent slopes	Fordville	35	G102AY120SD	Droughty Loam
077	RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Renshaw	60	G102AY130SD	Very Droughty Loam
077	RfB	Renshaw-Fordville loams, 2 to 6 percent slopes	Fordville	30	G102AY120SD	Droughty Loam
077	RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Renshaw	60	G102AY130SD	Very Droughty Loam
077	RsB	Renshaw-Sioux complex, 2 to 6 percent slopes	Sioux	30	G102AY003SD	Very Shallow To Gravel
077	RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Renshaw	50	G102AY130SD	Very Droughty Loam
077	RsC	Renshaw-Sioux complex, 6 to 9 percent slopes	Sioux	40	G102AY000SD	Not suited
077	SnA	Sinai silty clay, 0 to 2 percent slopes	Sinai	90	G102AY210SD	Clayey Subsoil
077	SrD	Sioux-Renshaw complex, 9 to 15 percent slopes	Sioux	50	G102AY000SD	Not suited
077	SrD	Sioux-Renshaw complex, 9 to 15 percent slopes	Renshaw	40	G102AY000SD	Not suited
077	Ss	Southam silty clay loam	Southam	90	G102AY000SD	Not suited
077	To	Tonka silty clay loam	Tonka	90	G102AY900SD	Wet
077	VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Vienna	70	G102AY100SD	Loam
077	VbA	Vienna-Brookings complex, 0 to 2 percent slopes	Brookings	20	G102AY500SD	Overflow
077	VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Vienna	70	G102AY100SD	Loam
077	VbB	Vienna-Brookings complex, 1 to 6 percent slopes	Brookings	20	G102AY500SD	Overflow
077	Wa	Waubay silty clay loam	Waubay	90	G102AY500SD	Overflow
077	Wb	Waubay-Badger silty clay loams	Waubay	50	G102AY500SD	Overflow
077	Wb	Waubay-Badger silty clay loams	Badger	40	G102AY700SD	Subirrigated
091	AaA	Aastad loam, 0 to 2 percent slopes	Aastad	90	G102AY500SD	Overflow
091	AsE	Arvilla-Sioux loams, 9 to 25 percent slopes	Arvilla	60	G102AY000SD	Not suited
091	AsE	Arvilla-Sioux loams, 9 to 25 percent slopes	Sioux	25	G102AY000SD	Not suited
091	BkE	Buse-Forman loams, 9 to 21 percent slopes	Buse	45	G102AY400SD	Limy Upland
091	BkE	Buse-Forman loams, 9 to 21 percent slopes	Forman	30	G102AY109SD	Steep Loam
091	BkF	Buse-Forman loams, 21 to 40 percent slopes	Buse	55	G102AY000SD	Not suited
091	BkF	Buse-Forman loams, 21 to 40 percent slopes	Forman	20	G102AY000SD	Not suited
091	BmF	Buse-Forman stony complex, 9 to 40 percent slopes	Buse	55	G102AY000SD	Not suited
091	BmF	Buse-Forman stony complex, 9 to 40 percent slopes	Forman	25	G102AY000SD	Not suited
091	BsE	Buse-Sioux complex, 15 to 21 percent slopes	Buse	40	G102AY400SD	Limy Upland
091	BsE	Buse-Sioux complex, 15 to 21 percent slopes	Sioux	35	G102AY000SD	Not suited
091	BtE	Buse-Sioux stony complex, 9 to 40 percent slopes	Sioux	40	G102AY000SD	Not suited
091	BtE	Buse-Sioux stony complex, 9 to 40 percent slopes	Buse	40	G102AY000SD	Not suited
091	Do	Castlewood silty clay	Castlewood	90	G102AY900SD	Wet
091	EsA	Estelline silt loam, 0 to 2 percent slopes	Estelline	90	G102AY120SD	Droughty Loam
091	FoA	Fordville loam, 0 to 2 percent slopes	Fordville	90	G102AY120SD	Droughty Loam
091	FoB	Fordville loam, 2 to 6 percent slopes	Fordville	90	G102AY120SD	Droughty Loam
091	FrA	Forman-Aastad loams, 0 to 2 percent slopes	Forman	60	G102AY100SD	Loam
091	FrA	Forman-Aastad loams, 0 to 2 percent slopes	Aastad	25	G102AY500SD	Overflow
091	FrB	Forman-Aastad loams, 2 to 6 percent slopes	Forman	60	G102AY100SD	Loam
091	FrB	Forman-Aastad loams, 2 to 6 percent slopes	Aastad	25	G102AY500SD	Overflow
091	FrC	Forman-Aastad loams, 6 to 9 percent slopes	Forman	60	G102AY100SD	Loam
091	FrC	Forman-Aastad loams, 6 to 9 percent slopes	Aastad	25	G102AY100SD	Loam

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091	FrD	Forman-Aastad loams, 9 to 15 percent slopes	Forman	55	G102AY100SD	Loam
091	FrD	Forman-Aastad loams, 9 to 15 percent slopes	Aastad	25	G102AY100SD	Loam
091	FsC2	Forman-Buse loams, 6 to 9 percent slopes, eroded	Forman	55	G102AY100SD	Loam
091	FsC2	Forman-Buse loams, 6 to 9 percent slopes, eroded	Buse	25	G102AY400SD	Limy Upland
091	FsE	Forman-Buse loams, 15 to 25 percent slopes	Forman	55	G102AY109SD	Steep Loam
091	FsE	Forman-Buse loams, 15 to 25 percent slopes	Buse	25	G102AY400SD	Limy Upland
091	FtD	Forman-Buse stony complex, 6 to 21 percent slopes	Forman	55	G102AY000SD	Not suited
091	FtD	Forman-Buse stony complex, 6 to 21 percent slopes	Buse	25	G102AY000SD	Not suited
091	FxC	Forman-Poinsett complex, 6 to 9 percent slopes	Forman	40	G102AY100SD	Loam
091	FxC	Forman-Poinsett complex, 6 to 9 percent slopes	Poinsett	25	G102AY100SD	Loam
091	FxD	Forman-Poinsett complex, 9 to 15 percent slopes	Forman	40	G102AY100SD	Loam
091	FxD	Forman-Poinsett complex, 9 to 15 percent slopes	Poinsett	25	G102AY100SD	Loam
091	Gp	Orthents	Orthents	100	G102AY000SD	Not suited
091	KbE	Kloten-Buse complex, 15 to 40 percent slopes	Kloten	60	G102AY000SD	Not suited
091	KbE	Kloten-Buse complex, 15 to 40 percent slopes	Buse	20	G102AY000SD	Not suited
091	KbE	Kloten-Buse complex, 15 to 40 percent slopes	Edgeley	10	G102AY000SD	Not suited
091	Mr	Southam silty clay loam	Southam	100	G102AY000SD	Not suited
091	Od	Oldham silty clay loam	Oldham	90	G102AY900SD	Wet
091	Oh	Oldham silty clay loam, saline	Oldham	90	G102AY895SD	Saline
091	Or	Orthents, loamy	Orthents	100	G102AY000SD	Not suited
091	Pa	Parnell silty clay loam	Parnell	85	G102AY000SD	Not suited
091	PeA	Peever clay loam, 0 to 2 percent slopes	Peever	90	G102AY210SD	Clayey Subsoil
091	PeB	Peever clay loam, 2 to 6 percent slopes	Peever	90	G102AY210SD	Clayey Subsoil
091	PeC	Peever clay loam, 6 to 9 percent slopes	Peever	90	G102AY210SD	Clayey Subsoil
091	PhA	Peever-Hamerly complex, 0 to 2 percent slopes	Peever	50	G102AY210SD	Clayey Subsoil
091	PhA	Peever-Hamerly complex, 0 to 2 percent slopes	Hamerly	25	G102AY700SD	Subirrigated
091	Pm	Playmoor silty clay loam	Playmoor	85	G102AY895SD	Saline
091	PoB	Poinsett-Forman complex, 2 to 6 percent slopes	Poinsett	50	G102AY100SD	Loam
091	PoB	Poinsett-Forman complex, 2 to 6 percent slopes	Forman	30	G102AY100SD	Loam
091	PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Poinsett	55	G102AY100SD	Loam
091	PwA	Poinsett-Waubay silty clay loams, 0 to 2 percent slopes	Waubay	35	G102AY500SD	Overflow
091	PwB	Poinsett-Waubay silty clay loams, 2 to 6 percent slopes	Poinsett	60	G102AY100SD	Loam
091	PwB	Poinsett-Waubay silty clay loams, 2 to 6 percent slopes	Waubay	25	G102AY500SD	Overflow
091	RfA	Renshaw-Fordville loams, 0 to 3 percent slopes	Renshaw	55	G102AY130SD	Very Droughty Loam
091	RfA	Renshaw-Fordville loams, 0 to 3 percent slopes	Fordville	35	G102AY120SD	Droughty Loam
091	RfB	Renshaw-Fordville loams, 3 to 6 percent slopes	Renshaw	65	G102AY130SD	Very Droughty Loam
091	RfB	Renshaw-Fordville loams, 3 to 6 percent slopes	Fordville	25	G102AY120SD	Droughty Loam
091	RfC	Renshaw-Fordville loams, 6 to 9 percent slopes	Renshaw	65	G102AY130SD	Very Droughty Loam
091	RfC	Renshaw-Fordville loams, 6 to 9 percent slopes	Fordville	20	G102AY120SD	Droughty Loam
091	Sa	Minnewaukan loamy sand	Minnewaukan	90	G102AY900SD	Wet
091	ShD	Sieche loam, 6 to 15 percent slopes	Sieche	85	G102AY100SD	Loam
091	ShF	Sieche loam, 21 to 50 percent slopes	Sieche	85	G102AY000SD	Not suited
091	SkA	Sinai silty clay, 0 to 3 percent slopes	Sinai	95	G102AY210SD	Clayey Subsoil
091	SkB	Sinai silty clay, 3 to 6 percent slopes	Sinai	90	G102AY210SD	Clayey Subsoil
091	SkC	Sinai silty clay, 6 to 9 percent slopes	Sinai	90	G102AY210SD	Clayey Subsoil
091	SmE	Sioux-Arvilla loams, 15 to 40 percent slopes	Sioux	75	G102AY000SD	Not suited

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
091	SmE	Sioux-Arvilla loams, 15 to 40 percent slopes	Arvilla	20	G102AY000SD	Not suited
091	To	Tonka silt loam	Tonka	90	G102AY900SD	Wet
091	Wa	Rauville silty clay loam	Rauville	95	G102AY000SD	Not suited
101	DsB	Doland loam, 2 to 6 percent slopes	Doland	85	G102AY100SD	Loam
101	DvA	Doland-Bonilla loams, 0 to 2 percent slopes	Doland	60	G102AY100SD	Loam
101	DvA	Doland-Bonilla loams, 0 to 2 percent slopes	Bonilla	25	G102AY500SD	Overflow
101	KaB	Kranzburg silty clay loam, 2 to 6 percent slopes	Kranzburg	85	G102AY100SD	Loam
101	KbA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Kranzburg	65	G102AY100SD	Loam
101	KbA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	Brookings	25	G102AY500SD	Overflow
109	AaA	Aastad loam, 0 to 2 percent slopes	Aastad	85	G102AY500SD	Overflow
109	BbE	Barnes-Buse stony complex, 9 to 40 percent slopes	Barnes	50	G102AY000SD	Not suited
109	BbE	Barnes-Buse stony complex, 9 to 40 percent slopes	Buse	25	G102AY000SD	Not suited
109	BpF	Buse-Forman loams, 20 to 40 percent slopes	Buse	50	G102AY000SD	Not suited
109	BpF	Buse-Forman loams, 20 to 40 percent slopes	Forman	20	G102AY000SD	Not suited
109	Do	Doran loam	Doran	80	G102AY210SD	Clayey Subsoil
109	Dv	Castlewood clay	Castlewood	85	G102AY900SD	Wet
109	FdA	Fordville loam, 0 to 3 percent slopes	Fordville	90	G102AY120SD	Droughty Loam
109	FeB	Fordville-Renshaw loams, 3 to 6 percent slopes	Fordville	70	G102AY120SD	Droughty Loam
109	FeB	Fordville-Renshaw loams, 3 to 6 percent slopes	Renshaw	25	G102AY130SD	Very Droughty Loam
109	FoA	Forman-Aastad loams, 0 to 2 percent slopes	Forman	70	G102AY100SD	Loam
109	FoA	Forman-Aastad loams, 0 to 2 percent slopes	Aastad	20	G102AY500SD	Overflow
109	FoB	Forman-Aastad loams, 2 to 6 percent slopes	Forman	60	G102AY100SD	Loam
109	FoB	Forman-Aastad loams, 2 to 6 percent slopes	Aastad	25	G102AY500SD	Overflow
109	FoC	Forman-Aastad loams, 6 to 9 percent slopes	Forman	60	G102AY100SD	Loam
109	FoC	Forman-Aastad loams, 6 to 9 percent slopes	Aastad	25	G102AY100SD	Loam
109	FoD	Forman-Aastad loams, 9 to 15 percent slopes	Forman	55	G102AY100SD	Loam
109	FoD	Forman-Aastad loams, 9 to 15 percent slopes	Aastad	25	G102AY100SD	Loam
109	FsB	Forman-Aastad stony complex, 0 to 9 percent slopes	Forman	65	G102AY000SD	Not suited
109	FsB	Forman-Aastad stony complex, 0 to 9 percent slopes	Aastad	25	G102AY000SD	Not suited
109	FuC	Forman-Buse loams, 6 to 9 percent slopes, eroded	Forman	55	G102AY100SD	Loam
109	FuC	Forman-Buse loams, 6 to 9 percent slopes, eroded	Buse	25	G102AY400SD	Limy Upland
109	FuD	Forman-Buse loams, 9 to 15 percent slopes, eroded	Forman	55	G102AY100SD	Loam
109	FuD	Forman-Buse loams, 9 to 15 percent slopes, eroded	Buse	25	G102AY400SD	Limy Upland
109	FuE	Forman-Buse loams, 15 to 25 percent slopes	Forman	45	G102AY109SD	Steep Loam
109	FuE	Forman-Buse loams, 15 to 25 percent slopes	Buse	25	G102AY400SD	Limy Upland
109	FvE	Forman-Buse stony complex, 9 to 40 percent slopes	Forman	55	G102AY000SD	Not suited
109	FvE	Forman-Buse stony complex, 9 to 40 percent slopes	Buse	20	G102AY000SD	Not suited
109	Gp	Orthents, gravelly	Orthents	100	G102AY000SD	Not suited
109	HbA	Hamerly-Tonka complex, 0 to 3 percent slopes	Hamerly	45	G102AY700SD	Subirrigated
109	HbA	Hamerly-Tonka complex, 0 to 3 percent slopes	Tonka	25	G102AY900SD	Wet
109	HcA	Hamerly-Vallers loams, 0 to 2 percent slopes	Hamerly	65	G102AY700SD	Subirrigated
109	HcA	Hamerly-Vallers loams, 0 to 2 percent slopes	Vallers	20	G102AY900SD	Wet
109	HcB	Hamerly-Vallers loams, 2 to 4 percent slopes	Hamerly	65	G102AY700SD	Subirrigated
109	HcB	Hamerly-Vallers loams, 2 to 4 percent slopes	Vallers	20	G102AY900SD	Wet
109	HdD	Hattie clay loam, 9 to 15 percent slopes	Hattie	90	G102AY210SD	Clayey Subsoil

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
109	HdE	Hattie clay loam, 15 to 40 percent slopes	Hattie	85	G102AY000SD	Not suited
109	HkD	Hattie and Klotten soils, 9 to 25 percent slopes	Hattie	45	G102AY000SD	Not suited
109	HkD	Hattie and Klotten soils, 9 to 25 percent slopes	Klotten	40	G102AY000SD	Not suited
109	HsB	Heimdal-Sisseton loams, 2 to 6 percent slopes	Heimdal	55	G102AY100SD	Loam
109	HsB	Heimdal-Sisseton loams, 2 to 6 percent slopes	Sisseton	20	G102AY400SD	Limy Upland
109	HsC	Heimdal-Sisseton loams, 6 to 9 percent slopes	Heimdal	50	G102AY100SD	Loam
109	HsC	Heimdal-Sisseton loams, 6 to 9 percent slopes	Sisseton	25	G102AY400SD	Limy Upland
109	HvA	Heimdal-Svea loams, 0 to 2 percent slopes	Heimdal	75	G102AY100SD	Loam
109	HvA	Heimdal-Svea loams, 0 to 2 percent slopes	Svea	15	G102AY500SD	Overflow
109	HvB	Heimdal-Svea loams, 2 to 6 percent slopes	Heimdal	65	G102AY100SD	Loam
109	HvB	Heimdal-Svea loams, 2 to 6 percent slopes	Svea	25	G102AY500SD	Overflow
109	La	LaDelle silt loam	LaDelle	90	G102AY500SD	Overflow
109	Lm	Lamoure silty clay loam	Lamoure	90	G102AY700SD	Subirrigated
109	Lp	La Prairie loam	La Prairie	90	G102AY500SD	Overflow
109	Lt	Lamoure silty clay loam, channeled	Lamoure	85	G102AY900SD	Wet
109	Lu	Ludden clay	Ludden	90	G102AY900SD	Wet
109	MaB	Maddock loamy fine sand, 0 to 6 percent slopes	Maddock	90	G102AY300SD	Sand
109	MaD	Maddock loamy fine sand, 6 to 25 percent slopes	Maddock	85	G102AY000SD	Not suited
109	Mr	Southam silty clay loam	Southam	90	G102AY000SD	Not suited
109	Mw	Marysland silt loam, wet	Marysland	85	G102AY900SD	Wet
109	Or	Orthents, loamy	Orthents	100	G102AY000SD	Not suited
109	Pa	Parnell silty clay loam	Parnell	85	G102AY000SD	Not suited
109	PeA	Peever clay loam, 0 to 2 percent slopes	Peever	85	G102AY210SD	Clayey Subsoil
109	PeB	Peever clay loam, 2 to 6 percent slopes	Peever	85	G102AY210SD	Clayey Subsoil
109	PeC	Peever clay loam, 6 to 9 percent slopes	Peever	80	G102AY210SD	Clayey Subsoil
109	PhA	Peever-Cavour complex, 0 to 3 percent slopes	Peever	70	G102AY210SD	Clayey Subsoil
109	PhA	Peever-Cavour complex, 0 to 3 percent slopes	Cavour	25	G102AY800SD	Claypan
109	Pk	Peever-Tonka complex	Peever	60	G102AY210SD	Clayey Subsoil
109	Pk	Peever-Tonka complex	Tonka	30	G102AY900SD	Wet
109	Pm	Playmoor silty clay loam	Playmoor	85	G102AY895SD	Saline
109	PoA	Poinsett silt loam, 0 to 2 percent slopes	Poinsett	90	G102AY100SD	Loam
109	PoB	Poinsett silt loam, 2 to 6 percent slopes	Poinsett	90	G102AY100SD	Loam
109	Ra	Rauville mucky silt loam	Rauville	90	G102AY000SD	Not suited
109	ReA	Renshaw loam, 0 to 3 percent slopes	Renshaw	85	G102AY130SD	Very Droughty Loam
109	ReB	Renshaw loam, 3 to 9 percent slopes	Renshaw	85	G102AY130SD	Very Droughty Loam
109	RhB	Renshaw-Sioux loams, 3 to 9 percent slopes	Renshaw	70	G102AY130SD	Very Droughty Loam
109	RhB	Renshaw-Sioux loams, 3 to 9 percent slopes	Sioux	20	G102AY000SD	Not suited
109	RhD	Renshaw-Sioux loams, 9 to 21 percent slopes	Renshaw	50	G102AY000SD	Not suited
109	RhD	Renshaw-Sioux loams, 9 to 21 percent slopes	Sioux	40	G102AY000SD	Not suited
109	RsE	Renshaw-Sioux stony loams, 9 to 40 percent slopes	Renshaw	50	G102AY000SD	Not suited
109	RsE	Renshaw-Sioux stony loams, 9 to 40 percent slopes	Sioux	35	G102AY000SD	Not suited
109	RtA	Rentill loam, 0 to 2 percent slopes	Rentill	85	G102AY120SD	Droughty Loam
109	RtB	Rentill loam, 2 to 6 percent slopes	Rentill	85	G102AY120SD	Droughty Loam
109	Sb	Minnewaukan loamy sand	Minnewaukan	90	G102AY900SD	Wet
109	ScF	Sieche loam, 15 to 40 percent slopes	Sieche	80	G102AY000SD	Not suited
109	SnA	Sinai silty clay, 0 to 2 percent slopes	Sinai	90	G102AY210SD	Clayey Subsoil

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
109	SnB	Sinai silty clay, 2 to 6 percent slopes	Sinai	90	G102AY210SD	Clayey Subsoil
109	SsF	Sisseton loam, 25 to 40 percent slopes	Sisseton	70	G102AY000SD	Not suited
109	StD	Sisseton-Heimdal loams, 9 to 25 percent slopes	Sisseton	45	G102AY400SD	Limy Upland
109	StD	Sisseton-Heimdal loams, 9 to 25 percent slopes	Heimdal	30	G102AY109SD	Steep Loam
109	SvC	Svea loam, 5 to 9 percent slopes	Svea	90	G102AY100SD	Loam
109	SwA	Sverdrup sandy loam, 0 to 3 percent slopes	Sverdrup	85	G102AY130SD	Very Droughty Loam
109	SwB	Sverdrup sandy loam, 3 to 9 percent slopes	Sverdrup	85	G102AY130SD	Very Droughty Loam
109	Tk	Tonka silt loam	Tonka	85	G102AY900SD	Wet
109	VhA	Vallers-Hamerly loams, 0 to 2 percent slopes	Vallers	60	G102AY900SD	Wet
109	VhA	Vallers-Hamerly loams, 0 to 2 percent slopes	Hamerly	30	G102AY700SD	Subirrigated
109	VnA	Vienna silt loam, 0 to 2 percent slopes	Vienna	85	G102AY100SD	Loam
109	VnB	Vienna silt loam, 2 to 6 percent slopes	Vienna	80	G102AY100SD	Loam
109	VnC	Vienna silt loam, 6 to 9 percent slopes	Vienna	80	G102AY100SD	Loam
109	Wa	Waubay silty clay loam	Waubay	90	G102AY500SD	Overflow
109	ZeD	Zell-Eckman complex, 9 to 25 percent slopes	Zell	60	G102AY400SD	Limy Upland
109	ZeD	Zell-Eckman complex, 9 to 25 percent slopes	Eckman	25	G102AY100SD	Loam