

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
021	10	Capa silt loam, 0 to 6 percent slopes	Capa	85	G063AY000SD	Not suited
021	11	Capa-Slickspots complex, 0 to 6 percent slopes	Capa	50	G063AY000SD	Not suited
021	11	Capa-Slickspots complex, 0 to 6 percent slopes	Slickspots	35	G063AY000SD	Not suited
021	21D	Sully-Zahl complex, 9 to 40 percent slopes	Sully	45	G063AY400SD	Limy Upland
021	21D	Sully-Zahl complex, 9 to 40 percent slopes	Zahl	40	G063AY400SD	Limy Upland
021	39E	Sansarc-Opal clays, 15 to 40 percent slopes	Sansarc	50	G063AY000SD	Not suited
021	39E	Sansarc-Opal clays, 15 to 40 percent slopes	Opal	35	G063AY000SD	Not suited
021	40B	Opal clay, 3 to 6 percent slopes	Opal	90	G063AY210SD	Clayey Subsoil
021	40C	Opal clay, 6 to 9 percent slopes	Opal	85	G063AY210SD	Clayey Subsoil
021	40D	Opal-Sansarc clays, 6 to 15 percent slopes	Opal	55	G063AY210SD	Clayey Subsoil
021	40D	Opal-Sansarc clays, 6 to 15 percent slopes	Sansarc	30	G063AY000SD	Not suited
021	41A	Promise clay, 0 to 3 percent slopes	Promise	85	G063AY210SD	Clayey Subsoil
021	41B	Promise clay, 3 to 6 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
021	41C	Promise-Opal clays, 6 to 9 percent slopes	Promise	55	G063AY210SD	Clayey Subsoil
021	41C	Promise-Opal clays, 6 to 9 percent slopes	Opal	35	G063AY210SD	Clayey Subsoil
031	BfA	Bryant silt loam, 0 to 2 percent slopes	Bryant	90	G063AY100SD	Loam
031	BfB	Bryant silt loam, 2 to 6 percent slopes	Bryant	90	G063AY100SD	Loam
031	BgB	Bryant-Sutley silt loams, 2 to 6 percent slopes	Bryant	60	G063AY100SD	Loam
031	BgB	Bryant-Sutley silt loams, 2 to 6 percent slopes	Sutley	30	G063AY400SD	Limy Upland
031	BgC	Bryant-Sutley silt loams, 6 to 9 percent slopes	Bryant	60	G063AY100SD	Loam
031	BgC	Bryant-Sutley silt loams, 6 to 9 percent slopes	Sutley	30	G063AY400SD	Limy Upland
031	BIA	Bullcreek clay, 0 to 4 percent slopes	Bullcreek	90	G063AY000SD	Not suited
031	BmA	Bullcreek-Slickspots complex, 0 to 4 percent slopes	Bullcreek	55	G063AY000SD	Not suited
031	BmA	Bullcreek-Slickspots complex, 0 to 4 percent slopes	Slickspots	35	G063AY000SD	Not suited
031	DuD	Dupree-Rock outcrop complex, 6 to 30 percent slopes	Dupree	65	G063AY000SD	Not suited
031	DuD	Dupree-Rock outcrop complex, 6 to 30 percent slopes	Rock outcrop	25	G063AY000SD	Not suited
031	HuB	Hurley silt loam, 0 to 9 percent slopes	Hurley	85	G063AY000SD	Not suited
031	HwA	Hurley-Slickspots complex, 0 to 6 percent slopes	Hurley	50	G063AY000SD	Not suited
031	HwA	Hurley-Slickspots complex, 0 to 6 percent slopes	Slickspots	30	G063AY000SD	Not suited
031	OaB	Opal clay, 2 to 6 percent slopes	Opal	90	G063AY210SD	Clayey Subsoil
031	OaC	Opal clay, 6 to 9 percent slopes	Opal	90	G063AY210SD	Clayey Subsoil
031	OdC	Opal-Dupree clays, 2 to 9 percent slopes	Opal	55	G063AY210SD	Clayey Subsoil
031	OdC	Opal-Dupree clays, 2 to 9 percent slopes	Dupree	30	G063AY000SD	Not suited
031	OhB	Opal-Hurley complex, 0 to 9 percent slopes	Opal	55	G063AY210SD	Clayey Subsoil
031	OhB	Opal-Hurley complex, 0 to 9 percent slopes	Hurley	30	G063AY000SD	Not suited
031	OsC	Opal-Sansarc clays, 6 to 15 percent slopes	Opal	55	G063AY210SD	Clayey Subsoil
031	OsC	Opal-Sansarc clays, 6 to 15 percent slopes	Sansarc	30	G063AY000SD	Not suited
031	PrA	Promise clay, 0 to 2 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
031	PrB	Promise clay, 2 to 6 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
031	SbE	Sansarc-Opal clays, 15 to 40 percent slopes	Sansarc	60	G063AY000SD	Not suited
031	SbE	Sansarc-Opal clays, 15 to 40 percent slopes	Opal	30	G063AY000SD	Not suited
031	SdD	Sansarc-Opal-Dupree clays, 9 to 25 percent slopes	Sansarc	40	G063AY000SD	Not suited
031	SdD	Sansarc-Opal-Dupree clays, 9 to 25 percent slopes	Opal	30	G063AY000SD	Not suited
031	SdD	Sansarc-Opal-Dupree clays, 9 to 25 percent slopes	Dupree	20	G063AY000SD	Not suited
031	SeE	Sansarc-Wabek complex, 15 to 40 percent slopes	Sansarc	55	G063AY000SD	Not suited
031	SeE	Sansarc-Wabek complex, 15 to 40 percent slopes	Wabek	35	G063AY000SD	Not suited

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031	Wt	Wendte silty clay, channeled	Wendte	90	G063AY500SD	Overflow
041	AsA	Capa-Slickspots complex, 0 to 3 percent slopes	Capa	50	G063AY000SD	Not suited
041	AsA	Capa-Slickspots complex, 0 to 3 percent slopes	Slickspots	40	G063AY000SD	Not suited
041	CdA	Canning loam, 0 to 2 percent slopes	Canning	90	G063AY120SD	Droughty Loam
041	ChB	Chantier clay, 2 to 9 percent slopes	Chantier	85	G063AY000SD	Not suited
041	CsC	Chantier-Shale land complex, 3 to 15 percent slopes	Chantier	50	G063AY000SD	Not suited
041	CsC	Chantier-Shale land complex, 3 to 15 percent slopes	Rock outcrop	40	G063AY000SD	Not suited
041	DoB	Dupree-Opal clays, 2 to 9 percent slopes	Dupree	45	G063AY000SD	Not suited
041	DoB	Dupree-Opal clays, 2 to 9 percent slopes	Opal	45	G063AY210SD	Clayey Subsoil
041	DsE	Dupree-Sansarc clays, 9 to 25 percent slopes	Dupree	60	G063AY000SD	Not suited
041	DsE	Dupree-Sansarc clays, 9 to 25 percent slopes	Sansarc	25	G063AY000SD	Not suited
041	HsB	Hurley-Slickspots complex, 2 to 9 percent slopes	Hurley	65	G063AY000SD	Not suited
041	HsB	Hurley-Slickspots complex, 2 to 9 percent slopes	Slickspots	20	G063AY000SD	Not suited
041	HsB	Hurley-Slickspots complex, 2 to 9 percent slopes	Opal	15	G063AY210SD	Clayey Subsoil
041	LwA	Lowry silt loam, 0 to 2 percent slopes	Lowry	95	G063AY100SD	Loam
041	LwB	Lowry silt loam, 2 to 6 percent slopes	Lowry	90	G063AY100SD	Loam
041	MbD	Moreau-Wayden silty clays, 9 to 25 percent slopes	Moreau	45	G063AY000SD	Not suited
041	MbD	Moreau-Wayden silty clays, 9 to 25 percent slopes	Wayden	35	G063AY000SD	Not suited
041	OaB	Opal clay, 2 to 9 percent slopes	Opal	80	G063AY210SD	Clayey Subsoil
041	OhB	Opal-Hurley complex, 0 to 9 percent slopes	Opal	50	G063AY210SD	Clayey Subsoil
041	OhB	Opal-Hurley complex, 0 to 9 percent slopes	Hurley	25	G063AY000SD	Not suited
041	OpA	Opal-Promise clays, 1 to 4 percent slopes	Opal	50	G063AY210SD	Clayey Subsoil
041	OpA	Opal-Promise clays, 1 to 4 percent slopes	Promise	40	G063AY210SD	Clayey Subsoil
041	OsC	Opal-Sansarc clays, 6 to 15 percent slopes	Opal	60	G063AY210SD	Clayey Subsoil
041	OsC	Opal-Sansarc clays, 6 to 15 percent slopes	Sansarc	25	G063AY000SD	Not suited
041	OtB	Opal-Slickspots complex, 2 to 6 percent slopes	Opal	50	G063AY210SD	Clayey Subsoil
041	OtB	Opal-Slickspots complex, 2 to 6 percent slopes	Slickspots	30	G063AY000SD	Not suited
041	PrA	Promise clay, 0 to 2 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
041	PrB	Promise clay, 2 to 6 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
041	PsA	Promise-Slickspots complex, 0 to 2 percent slopes	Promise	70	G063AY210SD	Clayey Subsoil
041	PsA	Promise-Slickspots complex, 0 to 2 percent slopes	Slickspots	25	G063AY000SD	Not suited
041	Pw	Promise-Wendte clays, channeled	Promise	65	G063AY210SD	Clayey Subsoil
041	Pw	Promise-Wendte clays, channeled	Wendte	25	G063AY500SD	Overflow
041	RsA	Reliance silty clay loam, 0 to 2 percent slopes	Reliance	95	G063AY100SD	Loam
041	RsB	Reliance silty clay loam, 2 to 6 percent slopes	Reliance	95	G063AY100SD	Loam
041	SaE	Sansarc-Dupree clays, 9 to 45 percent slopes	Sansarc	50	G063AY000SD	Not suited
041	SaE	Sansarc-Dupree clays, 9 to 45 percent slopes	Dupree	30	G063AY000SD	Not suited
041	SbC	Sansarc-Opal clays, 6 to 15 percent slopes	Sansarc	45	G063AY000SD	Not suited
041	SbC	Sansarc-Opal clays, 6 to 15 percent slopes	Opal	40	G063AY210SD	Clayey Subsoil
041	SbE	Sansarc-Opal clays, 15 to 25 percent slopes	Sansarc	60	G063AY000SD	Not suited
041	SbE	Sansarc-Opal clays, 15 to 25 percent slopes	Opal	30	G063AY000SD	Not suited
041	ScF	Sansarc-Shale land complex, 15 to 45 percent slopes	Sansarc	50	G063AY000SD	Not suited
041	ScF	Sansarc-Shale land complex, 15 to 45 percent slopes	Rock outcrop	45	G063AY000SD	Not suited
041	SfF	Schamber-Sansarc complex, 15 to 40 percent slopes	Schamber	50	G063AY000SD	Not suited
041	SfF	Schamber-Sansarc complex, 15 to 40 percent slopes	Sansarc	25	G063AY000SD	Not suited

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041	Sh	Shale land	Rock outcrop	75	G063AY000SD	Not suited
041	Sh	Shale land	Sansarc	15	G063AY000SD	Not suited
041	Sw	Bullcreek clay	Bullcreek	90	G063AY000SD	Not suited
041	Sy	Bullcreek-Slickspots complex	Bullcreek	55	G063AY000SD	Not suited
041	Sy	Bullcreek-Slickspots complex	Slickspots	30	G063AY000SD	Not suited
055	Ab	Albaton silty clay, depressional	Albaton	90	G063AY900SD	Wet
055	Ar	Arvada silt loam	Arvada	90	G063AY000SD	Not suited
055	As	Arvada-Slickspots complex	Arvada	65	G063AY000SD	Not suited
055	As	Arvada-Slickspots complex	Slickspots	30	G063AY000SD	Not suited
055	Bc	Bankard loamy sand, hummocky	Bankard	90	G063AY300SD	Sand
055	Bd	Bankard very fine sandy loam	Bankard	90	G063AY300SD	Sand
055	BkA	Blackpipe silty clay loam, 0 to 2 percent slopes	Blackpipe	90	G063AY100SD	Loam
055	BkB	Blackpipe silty clay loam, 2 to 6 percent slopes	Blackpipe	85	G063AY100SD	Loam
055	Bo	Blackpipe-Wortman complex	Blackpipe	55	G063AY100SD	Loam
055	Bo	Blackpipe-Wortman complex	Wortman	35	G063AY800SD	Claypan
055	Bu	Bullcreek clay, 0 to 6 percent slopes	Bullcreek	85	G063AY000SD	Not suited
055	Bx	Bullcreek-Slickspots complex	Bullcreek	60	G063AY000SD	Not suited
055	Bx	Bullcreek-Slickspots complex	Slickspots	35	G063AY000SD	Not suited
055	Ca	Canning loam	Canning	90	G063AY120SD	Droughty Loam
055	CbA	Capa silt loam, 0 to 6 percent slopes	Capa	85	G063AY000SD	Not suited
055	Cc	Capa-Slickspots complex	Capa	55	G063AY000SD	Not suited
055	Cc	Capa-Slickspots complex	Slickspots	35	G063AY000SD	Not suited
055	Ct	Capa-Wendte, channeled, complex	Capa	50	G063AY000SD	Not suited
055	Ct	Capa-Wendte, channeled, complex	Wendte	35	G063AY500SD	Overflow
055	Cv	Craft very fine sandy loam	Craft	85	G063AY100SD	Loam
055	Eg	Egas silty clay loam	Egas	85	G063AY000SD	Not suited
055	Ha	Haverson silt loam	Haverson	90	G063AY100SD	Loam
055	Hb	Haverson silt loam, channeled	Haverson	90	G063AY500SD	Overflow
055	Hc	Haverson-Craft complex	Haverson	50	G063AY100SD	Loam
055	Hc	Haverson-Craft complex	Craft	40	G063AY100SD	Loam
055	Ho	Hilmoe silty clay	Hilmoe	90	G063AY210SD	Clayey Subsoil
055	HpB	Hisle silt loam, 0 to 6 percent slopes	Hisle	90	G063AY000SD	Not suited
055	Hv	Hoven silt loam	Hoven	90	G063AY000SD	Not suited
055	KeA	Kirley clay loam, 0 to 2 percent slopes	Kirley	90	G063AY210SD	Clayey Subsoil
055	KeB	Kirley clay loam, 2 to 6 percent slopes	Kirley	90	G063AY210SD	Clayey Subsoil
055	KeD	Kirley clay loam, 6 to 15 percent slopes	Kirley	90	G063AY210SD	Clayey Subsoil
055	KfB	Kirley-Canning complex, 2 to 6 percent slopes	Kirley	50	G063AY210SD	Clayey Subsoil
055	KfB	Kirley-Canning complex, 2 to 6 percent slopes	Canning	40	G063AY120SD	Droughty Loam
055	KhA	Kirley-Mosher complex, 0 to 2 percent slopes	Kirley	60	G063AY210SD	Clayey Subsoil
055	KhA	Kirley-Mosher complex, 0 to 2 percent slopes	Mosher	30	G063AY800SD	Claypan
055	KhB	Kirley-Mosher complex, 2 to 6 percent slopes	Kirley	60	G063AY210SD	Clayey Subsoil
055	KhB	Kirley-Mosher complex, 2 to 6 percent slopes	Mosher	30	G063AY800SD	Claypan
055	KmA	Kirley-Ottumwa complex, 0 to 2 percent slopes	Kirley	45	G063AY210SD	Clayey Subsoil
055	KmA	Kirley-Ottumwa complex, 0 to 2 percent slopes	Ottumwa	35	G063AY210SD	Clayey Subsoil
055	KmB	Kirley-Ottumwa complex, 2 to 6 percent slopes	Kirley	45	G063AY210SD	Clayey Subsoil
055	KmB	Kirley-Ottumwa complex, 2 to 6 percent slopes	Ottumwa	35	G063AY210SD	Clayey Subsoil

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
055	KmC	Kirley-Ottumwa complex, 6 to 9 percent slopes	Kirley	45	G063AY210SD	Clayey Subsoil
055	KmC	Kirley-Ottumwa complex, 6 to 9 percent slopes	Ottumwa	35	G063AY210SD	Clayey Subsoil
055	KnD	Kirley-Vivian complex, 6 to 15 percent slopes	Kirley	55	G063AY210SD	Clayey Subsoil
055	KnD	Kirley-Vivian complex, 6 to 15 percent slopes	Vivian	30	G063AY000SD	Not suited
055	Ko	Kolls clay	Kolls	90	G063AY900SD	Wet
055	KyA	Kyle clay, 0 to 3 percent slopes	Kyle	90	G063AY210SD	Clayey Subsoil
055	KyB	Kyle clay, 3 to 6 percent slopes	Kyle	90	G063AY210SD	Clayey Subsoil
055	LaB	Lakoma silty clay, 3 to 6 percent slopes	Lakoma	90	G063AY210SD	Clayey Subsoil
055	LaC	Lakoma silty clay, 6 to 9 percent slopes	Lakoma	90	G063AY210SD	Clayey Subsoil
055	LaD	Lakoma silty clay, 6 to 15 percent slopes	Lakoma	85	G063AY210SD	Clayey Subsoil
055	LbE	Lakoma-Vivian complex, 9 to 25 percent slopes	Lakoma	50	G063AY210SD	Clayey Subsoil
055	LbE	Lakoma-Vivian complex, 9 to 25 percent slopes	Vivian	30	G063AY000SD	Not suited
055	Lo	Lohmiller silty clay	Lohmiller	90	G063AY210SD	Clayey Subsoil
055	Lp	Lohmiller silty clay, channeled	Lohmiller	90	G063AY500SD	Overflow
055	Lv	Lohmiller-Arvada complex	Lohmiller	55	G063AY210SD	Clayey Subsoil
055	Lv	Lohmiller-Arvada complex	Arvada	35	G063AY000SD	Not suited
055	MaE	Midway silty clay loam, 15 to 40 percent slopes	Midway	85	G063AY000SD	Not suited
055	Mo	Mosher silt loam	Mosher	85	G063AY800SD	Claypan
055	Nb	Nimbro silty clay loam	Nimbro	90	G063AY100SD	Loam
055	Nc	Nimbro silty clay loam, channeled	Nimbro	90	G063AY500SD	Overflow
055	NuA	Nunn loam, 0 to 2 percent slopes	Nunn	90	G063AY100SD	Loam
055	NuB	Nunn loam, 2 to 6 percent slopes	Nunn	85	G063AY100SD	Loam
055	NuC	Nunn loam, 6 to 9 percent slopes	Nunn	85	G063AY100SD	Loam
055	NxD	Nunn-Nihill complex, 6 to 15 percent slopes	Nunn	50	G063AY100SD	Loam
055	NxD	Nunn-Nihill complex, 6 to 15 percent slopes	Nihill	35	G063AY000SD	Not suited
055	ObE	Okaton-Lakoma silty clays, 15 to 40 percent slopes	Okaton	50	G063AY000SD	Not suited
055	ObE	Okaton-Lakoma silty clays, 15 to 40 percent slopes	Lakoma	40	G063AY000SD	Not suited
055	Oc	Onita silt loam	Onita	90	G063AY500SD	Overflow
055	OdB	Opal clay, 3 to 6 percent slopes	Opal	85	G063AY210SD	Clayey Subsoil
055	OdC	Opal clay, 6 to 9 percent slopes	Opal	85	G063AY210SD	Clayey Subsoil
055	OdD	Opal clay, 6 to 15 percent slopes	Opal	85	G063AY210SD	Clayey Subsoil
055	OeB	Opal-Promise clays, 3 to 6 percent slopes	Opal	50	G063AY210SD	Clayey Subsoil
055	OeB	Opal-Promise clays, 3 to 6 percent slopes	Promise	35	G063AY210SD	Clayey Subsoil
055	OeC	Opal-Promise clays, 6 to 9 percent slopes	Opal	55	G063AY210SD	Clayey Subsoil
055	OeC	Opal-Promise clays, 6 to 9 percent slopes	Promise	30	G063AY210SD	Clayey Subsoil
055	Of	Orthents, clayey	Orthents, clayey	90	G063AY000SD	Not suited
055	Og	Orthents, gravelly	Orthents	90	G063AY000SD	Not suited
055	OtA	Ottumwa silty clay, 0 to 3 percent slopes	Ottumwa	85	G063AY210SD	Clayey Subsoil
055	OtB	Ottumwa silty clay, 3 to 6 percent slopes	Ottumwa	85	G063AY210SD	Clayey Subsoil
055	OvA	Ottumwa-Capa complex, 0 to 3 percent slopes	Ottumwa	55	G063AY210SD	Clayey Subsoil
055	OvA	Ottumwa-Capa complex, 0 to 3 percent slopes	Capa	35	G063AY000SD	Not suited
055	OwB	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	Ottumwa	65	G063AY210SD	Clayey Subsoil
055	OwB	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	Lakoma	30	G063AY210SD	Clayey Subsoil
055	OwC	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	Ottumwa	55	G063AY210SD	Clayey Subsoil
055	OwC	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	Lakoma	35	G063AY210SD	Clayey Subsoil
055	OxC	Ottumwa-Razor silty clays, 6 to 9 percent slopes	Ottumwa	50	G063AY210SD	Clayey Subsoil

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055	OxC	Ottumwa-Razor silty clays, 6 to 9 percent slopes	Razor	35	G063AY210SD	Clayey Subsoil
055	OyC	Ottumwa-Razor-Savo complex, 6 to 15 percent slopes	Ottumwa	35	G063AY210SD	Clayey Subsoil
055	OyC	Ottumwa-Razor-Savo complex, 6 to 15 percent slopes	Razor	30	G063AY210SD	Clayey Subsoil
055	OyC	Ottumwa-Razor-Savo complex, 6 to 15 percent slopes	Savo	25	G063AY100SD	Loam
055	PeC	Pierre clay, 6 to 9 percent slopes	Pierre	90	G063AY210SD	Clayey Subsoil
055	PeD	Pierre clay, 6 to 15 percent slopes	Pierre	90	G063AY210SD	Clayey Subsoil
055	PkE	Pierre-Samsil clays, 15 to 25 percent slopes	Pierre	50	G063AY000SD	Not suited
055	PkE	Pierre-Samsil clays, 15 to 25 percent slopes	Samsil	40	G063AY000SD	Not suited
055	PrA	Promise clay, 0 to 3 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
055	PrB	Promise clay, 3 to 6 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
055	RaB	Razor silty clay, 2 to 6 percent slopes	Razor	90	G063AY210SD	Clayey Subsoil
055	RaC	Razor silty clay, 6 to 9 percent slopes	Razor	90	G063AY210SD	Clayey Subsoil
055	RbD	Razor-Midway complex, 6 to 15 percent slopes	Razor	55	G063AY210SD	Clayey Subsoil
055	RbD	Razor-Midway complex, 6 to 15 percent slopes	Midway	30	G063AY000SD	Not suited
055	RdD	Razor-Shingle complex, 6 to 15 percent slopes	Razor	50	G063AY210SD	Clayey Subsoil
055	RdD	Razor-Shingle complex, 6 to 15 percent slopes	Shingle	40	G063AY000SD	Not suited
055	ReA	Ree loam, 0 to 2 percent slopes	Ree	95	G063AY100SD	Loam
055	ReB	Ree loam, 2 to 6 percent slopes	Ree	90	G063AY100SD	Loam
055	RfB	Ree-Canning loams, 2 to 6 percent slopes	Ree	50	G063AY100SD	Loam
055	RfB	Ree-Canning loams, 2 to 6 percent slopes	Canning	40	G063AY120SD	Droughty Loam
055	RfC	Ree-Canning loams, 6 to 9 percent slopes	Ree	50	G063AY100SD	Loam
055	RfC	Ree-Canning loams, 6 to 9 percent slopes	Canning	40	G063AY120SD	Droughty Loam
055	Rh	Ree-Hoven complex	Ree	80	G063AY100SD	Loam
055	Rh	Ree-Hoven complex	Hoven	15	G063AY000SD	Not suited
055	RkD	Ree-Vivian complex, 6 to 15 percent slopes	Ree	55	G063AY100SD	Loam
055	RkD	Ree-Vivian complex, 6 to 15 percent slopes	Vivian	30	G063AY000SD	Not suited
055	Rv	Riverwash	Riverwash	90	G063AY000SD	Not suited
055	SbF	Samsil clay, 25 to 60 percent slopes	Samsil	90	G063AY000SD	Not suited
055	ScF	Samsil-Nihill complex, 6 to 40 percent slopes	Samsil	65	G063AY000SD	Not suited
055	ScF	Samsil-Nihill complex, 6 to 40 percent slopes	Nihill	20	G063AY000SD	Not suited
055	SdF	Samsil-Rock outcrop complex, 15 to 60 percent slopes	Samsil	55	G063AY000SD	Not suited
055	SdF	Samsil-Rock outcrop complex, 15 to 60 percent slopes	Rock outcrop	30	G063AY000SD	Not suited
055	SoE	Sansarc-Opal clays, 9 to 40 percent slopes	Sansarc	65	G063AY000SD	Not suited
055	SoE	Sansarc-Opal clays, 9 to 40 percent slopes	Opal	25	G063AY000SD	Not suited
055	SrA	Savo silt loam, 0 to 2 percent slopes	Savo	90	G063AY100SD	Loam
055	SrB	Savo silt loam, 2 to 6 percent slopes	Savo	90	G063AY100SD	Loam
055	SrC	Savo silt loam, 6 to 9 percent slopes	Savo	90	G063AY100SD	Loam
055	StF	Schamber-Samsil complex, 6 to 60 percent slopes	Schamber	50	G063AY000SD	Not suited
055	StF	Schamber-Samsil complex, 6 to 60 percent slopes	Samsil	40	G063AY000SD	Not suited
055	SuE	Shingle silty clay loam, 15 to 40 percent slopes	Shingle	90	G063AY000SD	Not suited
055	SwE	Shingle-Razor complex, 15 to 25 percent slopes	Shingle	55	G063AY000SD	Not suited
055	SwE	Shingle-Razor complex, 15 to 25 percent slopes	Razor	35	G063AY000SD	Not suited
055	Wc	Wendte silty clay	Wendte	90	G063AY500SD	Overflow
055	Wd	Wendte-Herdcamp silty clays, channeled	Wendte	55	G063AY500SD	Overflow
055	Wd	Wendte-Herdcamp silty clays, channeled	Herdcamp	30	G063AY000SD	Not suited

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
055	WsE	Wendte, channeled-Sansarc complex, 0 to 60 percent slopes	Wendte	50	G063AY500SD	Overflow
055	WsE	Wendte, channeled-Sansarc complex, 0 to 60 percent slopes	Sansarc	35	G063AY000SD	Not suited
055	Ww	Wortman-Wanblee silt loams, 0 to 2 percent slopes	Wortman	50	G063AY800SD	Claypan
055	Ww	Wortman-Wanblee silt loams, 0 to 2 percent slopes	Wanblee	35	G063AY000SD	Not suited
065	Aw	Meckling-Norway loamy fine sands	Meckling	45	G063AY700SD	Subirrigated
065	Aw	Meckling-Norway loamy fine sands	Norway	45	G063AY000SD	Not suited
065	ChC	Chantier clay, 2 to 9 percent slopes	Chantier	90	G063AY000SD	Not suited
065	Fd	Fill land	Orthents	90	G063AY000SD	Not suited
065	HuB	Hurley silt loam, 0 to 6 percent slopes	Hurley	80	G063AY000SD	Not suited
065	LuB	Lowry-Urban land complex, 2 to 5 percent slopes	Lowry	60	G063AY100SD	Loam
065	LuB	Lowry-Urban land complex, 2 to 5 percent slopes	Urban land	30	G063AY000SD	Not suited
065	Mar	Marsh	Aquolls	95	G063AY000SD	Not suited
065	MbA	Millboro silty clay loam, 0 to 2 percent slopes	Millboro	85	G063AY210SD	Clayey Subsoil
065	OpB	Opal clay, 2 to 5 percent slopes	Opal	90	G063AY210SD	Clayey Subsoil
065	OpC	Opal clay, 5 to 9 percent slopes	Opal	85	G063AY210SD	Clayey Subsoil
065	OrD	Opal-Lakoma clays, 9 to 15 percent slopes	Opal	50	G063AY210SD	Clayey Subsoil
065	OrD	Opal-Lakoma clays, 9 to 15 percent slopes	Lakoma	40	G063AY210SD	Clayey Subsoil
065	PrA	Promise clay, 0 to 2 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
065	PrB	Promise clay, 2 to 5 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
065	PsA	Promise-Mosher complex, 0 to 2 percent slopes	Promise	68	G063AY210SD	Clayey Subsoil
065	PsA	Promise-Mosher complex, 0 to 2 percent slopes	Mosher	30	G063AY800SD	Claypan
065	Ro	Lakoma-gettys-rock outcrop complex, 15 to 40 percent slopes	Gettys	30	G063AY000SD	Not suited
065	Ro	Lakoma-gettys-rock outcrop complex, 15 to 40 percent slopes	Lakoma	30	G063AY000SD	Not suited
065	Ro	Lakoma-gettys-rock outcrop complex, 15 to 40 percent slopes	Rock outcrop	20	G063AY000SD	Not suited
065	SaE	Sansarc-Gettys complex, 9 to 34 percent slopes	Sansarc	60	G063AY000SD	Not suited
065	SaE	Sansarc-Gettys complex, 9 to 34 percent slopes	Gettys	30	G063AY000SD	Not suited
065	ScE	Sansarc-Lakoma clays, 9 to 40 percent slopes	Lakoma	40	G063AY000SD	Not suited
065	ScE	Sansarc-Lakoma clays, 9 to 40 percent slopes	Sansarc	40	G063AY000SD	Not suited
065	Sd	Sansarc-Shale outcrop complex	Sansarc	55	G063AY000SD	Not suited
065	Sd	Sansarc-Shale outcrop complex	Rock outcrop	30	G063AY000SD	Not suited
065	Sh	Shale land	Rock outcrop	85	G063AY000SD	Not suited
065	SwB	Bullcreek clay, 0 to 6 percent slopes	Bullcreek	80	G063AY000SD	Not suited
065	Sx	Bullcreek-Slickspots complex	Bullcreek	68	G063AY000SD	Not suited
065	Sx	Bullcreek-Slickspots complex	Slickspots	30	G063AY000SD	Not suited
071	Ab	Absted silt loam	Absted	85	G063AY800SD	Claypan
071	Ar	Arvada loam	Arvada	85	G063AY000SD	Not suited
071	As	Arvada-Slickspots complex	Arvada	50	G063AY000SD	Not suited
071	As	Arvada-Slickspots complex	Slickspots	30	G063AY000SD	Not suited
071	BdA	Beckton-Arvada loams, 0 to 2 percent slopes	Beckton	45	G063AY800SD	Claypan
071	BdA	Beckton-Arvada loams, 0 to 2 percent slopes	Arvada	40	G063AY000SD	Not suited
071	CoD	Colby silt loam, 6 to 15 percent slopes	Colby	85	G063AY400SD	Limy Upland

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
071	EaB	Emigrant loam, 1 to 6 percent slopes	Emigrant	80	G063AY120SD	Droughty Loam
071	EbA	Emigrant-Beckton variant loams, 0 to 2 percent slopes	Emigrant	50	G063AY120SD	Droughty Loam
071	EbA	Emigrant-Beckton variant loams, 0 to 2 percent slopes	Beckton	30	G063AY800SD	Claypan
071	EbC	Emigrant-Beckton variant loams, 2 to 9 percent slopes	Emigrant	50	G063AY120SD	Droughty Loam
071	EbC	Emigrant-Beckton variant loams, 2 to 9 percent slopes	Beckton	30	G063AY800SD	Claypan
071	EcD	Emigrant-Conata complex, 6 to 15 percent slopes	Emigrant	50	G063AY120SD	Droughty Loam
071	EcD	Emigrant-Conata complex, 6 to 15 percent slopes	Conata	30	G063AY000SD	Not suited
071	ErB	Emigrant-Razor complex, 1 to 6 percent slopes	Emigrant	45	G063AY120SD	Droughty Loam
071	ErB	Emigrant-Razor complex, 1 to 6 percent slopes	Razor	35	G063AY210SD	Clayey Subsoil
071	ErC	Emigrant-Razor complex, 6 to 9 percent slopes	Emigrant	45	G063AY120SD	Droughty Loam
071	ErC	Emigrant-Razor complex, 6 to 9 percent slopes	Razor	35	G063AY210SD	Clayey Subsoil
071	ErD	Emigrant-Razor complex, 9 to 15 percent slopes	Emigrant	45	G063AY120SD	Droughty Loam
071	ErD	Emigrant-Razor complex, 9 to 15 percent slopes	Razor	35	G063AY210SD	Clayey Subsoil
071	Ho	Hilmoe silty clay	Hilmoe	85	G063AY210SD	Clayey Subsoil
071	Hu	Hurley silt loam	Hurley	85	G063AY000SD	Not suited
071	Ko	Kolls clay	Kolls	85	G063AY900SD	Wet
071	KyA	Kyle clay, 0 to 3 percent slopes	Kyle	85	G063AY210SD	Clayey Subsoil
071	KyB	Kyle clay, 3 to 6 percent slopes	Kyle	85	G063AY210SD	Clayey Subsoil
071	KyC	Kyle clay, 6 to 9 percent slopes	Kyle	85	G063AY210SD	Clayey Subsoil
071	MyE	Midway silty clay loam, 15 to 40 percent slopes	Midway	85	G063AY000SD	Not suited
071	NkD	Nihill-Samsil complex, 6 to 15 percent slopes	Nihill	40	G063AY000SD	Not suited
071	NkD	Nihill-Samsil complex, 6 to 15 percent slopes	Samsil	40	G063AY000SD	Not suited
071	NuA	Nunn loam, 0 to 3 percent slopes	Nunn	85	G063AY100SD	Loam
071	NuB	Nunn loam, 3 to 6 percent slopes	Nunn	85	G063AY100SD	Loam
071	NuC	Nunn loam, 6 to 9 percent slopes	Nunn	85	G063AY100SD	Loam
071	NwB	Nunn-Beckton loams, 2 to 6 percent slopes	Nunn	50	G063AY100SD	Loam
071	NwB	Nunn-Beckton loams, 2 to 6 percent slopes	Beckton	30	G063AY800SD	Claypan
071	NxD	Nunn-Nihill complex, 6 to 15 percent slopes	Nunn	50	G063AY100SD	Loam
071	NxD	Nunn-Nihill complex, 6 to 15 percent slopes	Nihill	30	G063AY000SD	Not suited
071	PcB	Pierre clay, 3 to 6 percent slopes	Pierre	85	G063AY210SD	Clayey Subsoil
071	PcC	Pierre clay, 6 to 9 percent slopes	Pierre	85	G063AY210SD	Clayey Subsoil
071	PhB	Pierre-Hisle complex, 1 to 6 percent slopes	Pierre	50	G063AY210SD	Clayey Subsoil
071	PhB	Pierre-Hisle complex, 1 to 6 percent slopes	Hisle	30	G063AY000SD	Not suited
071	PkD	Pierre-Samsil clays, 6 to 15 percent slopes	Pierre	55	G063AY210SD	Clayey Subsoil
071	PkD	Pierre-Samsil clays, 6 to 15 percent slopes	Samsil	25	G063AY000SD	Not suited
071	PrA	Promise clay, 0 to 3 percent slopes	Promise	85	G063AY210SD	Clayey Subsoil
071	Psa	Promise-Hurley complex, 0 to 3 percent slopes	Promise	55	G063AY210SD	Clayey Subsoil
071	Psa	Promise-Hurley complex, 0 to 3 percent slopes	Hurley	25	G063AY000SD	Not suited
071	Psb	Promise-Hurley complex, 3 to 6 percent slopes	Promise	50	G063AY210SD	Clayey Subsoil
071	Psb	Promise-Hurley complex, 3 to 6 percent slopes	Hurley	30	G063AY000SD	Not suited
071	PuB	Promise-Pierre clays, 3 to 6 percent slopes	Promise	50	G063AY210SD	Clayey Subsoil
071	PuB	Promise-Pierre clays, 3 to 6 percent slopes	Pierre	30	G063AY210SD	Clayey Subsoil
071	PuC	Promise-Pierre clays, 6 to 9 percent slopes	Promise	45	G063AY210SD	Clayey Subsoil
071	PuC	Promise-Pierre clays, 6 to 9 percent slopes	Pierre	35	G063AY210SD	Clayey Subsoil
071	RhC	Razor-Hisle complex, 2 to 9 percent slopes	Razor	50	G063AY210SD	Clayey Subsoil
071	RhC	Razor-Hisle complex, 2 to 9 percent slopes	Hisle	30	G063AY000SD	Not suited
071	RmD	Razor-Midway silty clay loams, 6 to 15 percent slopes	Razor	50	G063AY210SD	Clayey Subsoil

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
071	RmD	Razor-Midway silty clay loams, 6 to 15 percent slopes	Midway	30	G063AY000SD	Not suited
071	SaF	Samsil clay, 15 to 40 percent slopes	Samsil	85	G063AY000SD	Not suited
071	SpE	Samsil-Pierre clays, 15 to 25 percent slopes	Samsil	50	G063AY000SD	Not suited
071	SpE	Samsil-Pierre clays, 15 to 25 percent slopes	Pierre	30	G063AY000SD	Not suited
071	SrF	Samsil-Rock outcrop complex, 25 to 60 percent slopes	Samsil	55	G063AY000SD	Not suited
071	SrF	Samsil-Rock outcrop complex, 25 to 60 percent slopes	Rock outcrop	30	G063AY000SD	Not suited
071	Wb	Wendte clay	Wendte	85	G063AY500SD	Overflow
071	Wc	Wendte clay, channeled	Wendte	85	G063AY500SD	Overflow
071	WsC	Wortman-Hisle complex, 2 to 9 percent slopes	Wortman	50	G063AY800SD	Claypan
071	WsC	Wortman-Hisle complex, 2 to 9 percent slopes	Hisle	30	G063AY000SD	Not suited
075	Ab	Albaton silty clay, depressional	Albaton	90	G063AY900SD	Wet
075	Bb	Bigbend silt loam	Bigbend	95	G063AY100SD	Loam
075	Bf	Bigbend silt loam, flooded	Bigbend	95	G063AY500SD	Overflow
075	Bg	Bigbend silty clay loam	Bigbend	95	G063AY100SD	Loam
075	Bh	Bigbend very fine sandy loam	Bigbend	95	G063AY100SD	Loam
075	Bi	Bigbend-Inavale complex	Bigbend	50	G063AY100SD	Loam
075	Bi	Bigbend-Inavale complex	Inavale	40	G063AY300SD	Sand
075	Bu	Bullcreek clay, 0 to 6 percent slopes	Bullcreek	90	G063AY000SD	Not suited
075	Bx	Bullcreek-Slickspots complex	Bullcreek	60	G063AY000SD	Not suited
075	Bx	Bullcreek-Slickspots complex	Slickspots	30	G063AY000SD	Not suited
075	CpA	Capa silt loam, 0 to 6 percent slopes	Capa	90	G063AY000SD	Not suited
075	Hb	Herdcamp-Bullcreek complex	Herdcamp	60	G063AY000SD	Not suited
075	Hb	Herdcamp-Bullcreek complex	Bullcreek	35	G063AY000SD	Not suited
075	Hg	Hilmoe silt loam, overwash	Hilmoe	95	G063AY210SD	Clayey Subsoil
075	Hm	Hilmoe silty clay	Hilmoe	90	G063AY210SD	Clayey Subsoil
075	Hn	Hilmoe-Inavale complex	Hilmoe	50	G063AY500SD	Overflow
075	Hn	Hilmoe-Inavale complex	Inavale	40	G063AY300SD	Sand
075	Ho	Hoven silt loam	Hoven	95	G063AY000SD	Not suited
075	In	Inavale loamy fine sand	Inavale	90	G063AY300SD	Sand
075	KeA	Kirley clay loam, 0 to 2 percent slopes	Kirley	95	G063AY210SD	Clayey Subsoil
075	KeB	Kirley clay loam, 2 to 6 percent slopes	Kirley	95	G063AY210SD	Clayey Subsoil
075	KeC	Kirley clay loam, 6 to 9 percent slopes	Kirley	90	G063AY210SD	Clayey Subsoil
075	KeD	Kirley clay loam, 9 to 15 percent slopes	Kirley	90	G063AY210SD	Clayey Subsoil
075	KmB	Kirley-Mosher complex, 0 to 6 percent slopes	Kirley	60	G063AY210SD	Clayey Subsoil
075	KmB	Kirley-Mosher complex, 0 to 6 percent slopes	Mosher	30	G063AY800SD	Claypan
075	KnB	Kirley-Vivian complex, 2 to 6 percent slopes	Kirley	55	G063AY210SD	Clayey Subsoil
075	KnB	Kirley-Vivian complex, 2 to 6 percent slopes	Vivian	35	G063AY130SD	Very Droughty Loam
075	KnC	Kirley-Vivian complex, 6 to 9 percent slopes	Kirley	50	G063AY210SD	Clayey Subsoil
075	KnC	Kirley-Vivian complex, 6 to 9 percent slopes	Vivian	40	G063AY130SD	Very Droughty Loam
075	KnD	Kirley-Vivian complex, 9 to 25 percent slopes	Kirley	55	G063AY210SD	Clayey Subsoil
075	KnD	Kirley-Vivian complex, 9 to 25 percent slopes	Vivian	30	G063AY000SD	Not suited
075	Ko	Kolls silty clay	Kolls	95	G063AY900SD	Wet
075	Kp	Kolls silty clay, ponded	Kolls	95	G063AY000SD	Not suited
075	LaB	Lakoma silty clay, 3 to 6 percent slopes	Lakoma	95	G063AY210SD	Clayey Subsoil
075	LaC	Lakoma silty clay, 6 to 9 percent slopes	Lakoma	85	G063AY210SD	Clayey Subsoil
075	LaD	Lakoma silty clay, 6 to 15 percent slopes	Lakoma	80	G063AY210SD	Clayey Subsoil

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
075	LkC	Lakoma-Kirley complex, 4 to 9 percent slopes	Lakoma	65	G063AY210SD	Clayey Subsoil
075	LkC	Lakoma-Kirley complex, 4 to 9 percent slopes	Kirley	30	G063AY210SD	Clayey Subsoil
075	LvE	Lakoma-Vivian complex, 9 to 25 percent slopes	Lakoma	55	G063AY210SD	Clayey Subsoil
075	LvE	Lakoma-Vivian complex, 9 to 25 percent slopes	Vivian	25	G063AY000SD	Not suited
075	MIA	Millboro silty clay loam, 0 to 3 percent slopes	Millboro	95	G063AY210SD	Clayey Subsoil
075	MIB	Millboro silty clay loam, 3 to 6 percent slopes	Millboro	95	G063AY210SD	Clayey Subsoil
075	MIC	Millboro silty clay loam, 6 to 9 percent slopes	Millboro	90	G063AY210SD	Clayey Subsoil
075	Mo	Mosher silt loam	Mosher	90	G063AY800SD	Claypan
075	Mp	Mosher-Capa silt loams	Mosher	65	G063AY800SD	Claypan
075	Mp	Mosher-Capa silt loams	Capa	25	G063AY000SD	Not suited
075	Nb	Nimbro silty clay loam	Nimbro	95	G063AY100SD	Loam
075	Nc	Nimbro silty clay loam, channeled	Nimbro	95	G063AY500SD	Overflow
075	OaF	Okaton silty clay, 25 to 60 percent slopes	Okaton	90	G063AY000SD	Not suited
075	ObE	Okaton-Lakoma silty clays, 15 to 40 percent slopes	Okaton	50	G063AY000SD	Not suited
075	ObE	Okaton-Lakoma silty clays, 15 to 40 percent slopes	Lakoma	40	G063AY000SD	Not suited
075	OkE	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	Okaton	45	G063AY000SD	Not suited
075	OkE	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	Wendte	20	G063AY500SD	Overflow
075	OkE	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	Bullcreek	20	G063AY000SD	Not suited
075	OIB	Opal clay loam, 3 to 6 percent slopes	Opal	95	G063AY210SD	Clayey Subsoil
075	OIC	Opal clay loam, 6 to 9 percent slopes	Opal	95	G063AY210SD	Clayey Subsoil
075	OID	Opal clay loam, 6 to 15 percent slopes	Opal	85	G063AY210SD	Clayey Subsoil
075	OpA	Opal clay, 0 to 3 percent slopes	Opal	95	G063AY210SD	Clayey Subsoil
075	OpB	Opal clay, 3 to 6 percent slopes	Opal	95	G063AY210SD	Clayey Subsoil
075	OpC	Opal clay, 6 to 9 percent slopes	Opal	95	G063AY210SD	Clayey Subsoil
075	OpD	Opal clay, 6 to 15 percent slopes	Opal	85	G063AY210SD	Clayey Subsoil
075	Ot	Orthents, gravelly	Orthents	95	G063AY000SD	Not suited
075	PrA	Promise clay, 0 to 3 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
075	PrB	Promise clay, 3 to 6 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
075	PrC	Promise clay, 6 to 9 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
075	Psa	Promise-Bullcreek clays	Promise	50	G063AY210SD	Clayey Subsoil
075	Psa	Promise-Bullcreek clays	Bullcreek	35	G063AY000SD	Not suited
075	PtA	Promise-Bullcreek-Kolls complex	Promise	45	G063AY210SD	Clayey Subsoil
075	PtA	Promise-Bullcreek-Kolls complex	Bullcreek	35	G063AY000SD	Not suited
075	PtA	Promise-Bullcreek-Kolls complex	Kolls	15	G063AY900SD	Wet
075	Pu	Promise-Capa complex	Promise	60	G063AY210SD	Clayey Subsoil
075	Pu	Promise-Capa complex	Capa	30	G063AY000SD	Not suited
075	ReA	Ree loam, 0 to 2 percent slopes	Ree	95	G063AY100SD	Loam
075	ReB	Ree loam, 2 to 6 percent slopes	Ree	90	G063AY100SD	Loam
075	ReC	Ree loam, 6 to 9 percent slopes	Ree	90	G063AY100SD	Loam
075	SaE	Sansarc clay, 15 to 40 percent slopes	Sansarc	90	G063AY000SD	Not suited
075	SoE	Sansarc-Opal clays, 9 to 40 percent slopes	Sansarc	55	G063AY000SD	Not suited
075	SoE	Sansarc-Opal clays, 9 to 40 percent slopes	Opal	35	G063AY000SD	Not suited
075	SrE	Sansarc-Rock outcrop complex, 9 to 60 percent slopes	Sansarc	55	G063AY000SD	Not suited

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
075	SrE	Sansarc-Rock outcrop complex, 9 to 60 percent slopes	Rock outcrop	35	G063AY000SD	Not suited
075	SvE	Sansarc-Vivian complex, 9 to 40 percent slopes	Sansarc	60	G063AY000SD	Not suited
075	SvE	Sansarc-Vivian complex, 9 to 40 percent slopes	Vivian	30	G063AY000SD	Not suited
075	Wc	Wendte silty clay	Wendte	90	G063AY500SD	Overflow
075	Wd	Wendte silty clay, channeled	Wendte	90	G063AY500SD	Overflow
075	Wt	Witten silty clay	Witten	95	G063AY500SD	Overflow
085	Hm	Hilmoe silty clay	Hilmoe	90	G063AY210SD	Clayey Subsoil
085	Ko	Kolls silty clay	Kolls	90	G063AY900SD	Wet
085	Kp	Kolls silty clay, ponded	Kolls	90	G063AY000SD	Not suited
085	LaB	Lakoma silty clay, 2 to 6 percent slopes	Lakoma	95	G063AY210SD	Clayey Subsoil
085	LaC	Lakoma silty clay, 6 to 9 percent slopes	Lakoma	85	G063AY210SD	Clayey Subsoil
085	LbD	Lakoma-Okaton silty clays, 6 to 15 percent slopes	Lakoma	50	G063AY210SD	Clayey Subsoil
085	LbD	Lakoma-Okaton silty clays, 6 to 15 percent slopes	Okaton	35	G063AY000SD	Not suited
085	LcE	Lakoma-Okaton complex, 9 to 50 percent slopes	Lakoma	45	G063AY000SD	Not suited
085	LcE	Lakoma-Okaton complex, 9 to 50 percent slopes	Okaton	35	G063AY000SD	Not suited
085	MmA	Millboro silty clay, 0 to 3 percent slopes	Millboro	90	G063AY210SD	Clayey Subsoil
085	MmB	Millboro silty clay, 3 to 6 percent slopes	Millboro	90	G063AY210SD	Clayey Subsoil
085	MnB	Millboro-Boro silty clays, 2 to 6 percent slopes	Millboro	50	G063AY210SD	Clayey Subsoil
085	MnB	Millboro-Boro silty clays, 2 to 6 percent slopes	Boro	40	G063AY210SD	Clayey Subsoil
085	MnC	Millboro-Boro silty clays, 6 to 9 percent slopes	Millboro	45	G063AY210SD	Clayey Subsoil
085	MnC	Millboro-Boro silty clays, 6 to 9 percent slopes	Boro	40	G063AY210SD	Clayey Subsoil
085	OIA	Opal clay, 0 to 3 percent slopes	Opal	90	G063AY210SD	Clayey Subsoil
085	OIB	Opal clay, 3 to 6 percent slope	Opal	90	G063AY210SD	Clayey Subsoil
085	OIC	Opal clay, 6 to 9 percent slopes	Opal	90	G063AY210SD	Clayey Subsoil
085	OnD	Opal-Sansarc clays, 6 to 15 percent slopes	Opal	60	G063AY210SD	Clayey Subsoil
085	OnD	Opal-Sansarc clays, 6 to 15 percent slopes	Sansarc	25	G063AY000SD	Not suited
085	PoA	Promise clay, 0 to 3 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
085	PoB	Promise clay, 3 to 6 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
085	PoC	Promise clay, 6 to 9 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
085	PrA	Promise-Capa complex, 0 to 4 percent slopes	Promise	60	G063AY210SD	Clayey Subsoil
085	PrA	Promise-Capa complex, 0 to 4 percent slopes	Capa	30	G063AY000SD	Not suited
085	Wd	Wendte silty clay, channeled	Wendte	85	G063AY500SD	Overflow
085	Wt	Witten silty clay	Witten	85	G063AY500SD	Overflow
095	Bg	Inavale and Munjor soils	Inavale	40	G063AY300SD	Sand
095	Bg	Inavale and Munjor soils	Munjor	40	G063AY120SD	Droughty Loam
095	Bv	Swanboy clay	Swanboy	95	G063AY000SD	Not suited
095	Bw	Wendte soils, channeled	Wendte	90	G063AY500SD	Overflow
095	Ky	Kyle clay	Kyle	90	G063AY210SD	Clayey Subsoil
095	LoA	Lowry silt loam, 0 to 2 percent slopes	Lowry	85	G063AY100SD	Loam
095	LoB	Lowry silt loam, 2 to 5 percent slopes	Lowry	90	G063AY100SD	Loam
095	MrC	Murdo gravelly loam, 2 to 9 percent slopes	Murdo	70	G063AY130SD	Very Droughty Loam
095	OgC	Opal clay, mounded, 5 to 9 percent slopes	Opal	90	G063AY210SD	Clayey Subsoil
095	OIC	Opal-Kirley complex, 5 to 9 percent slopes	Opal	65	G063AY210SD	Clayey Subsoil
095	OIC	Opal-Kirley complex, 5 to 9 percent slopes	Kirley	25	G063AY210SD	Clayey Subsoil
095	OtD	Opal-Tuthill complex, 5 to 15 percent slopes	Opal	60	G063AY210SD	Clayey Subsoil
095	OtD	Opal-Tuthill complex, 5 to 15 percent slopes	Tuthill	30	G063AY120SD	Droughty Loam

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
095	ReB	Ree loam, 2 to 5 percent slopes	Ree	90	G063AY100SD	Loam
095	SaE	Sansarc clay, 15 to 40 percent slopes	Samsil	90	G063AY000SD	Not suited
095	SIE	Okaton-Lakoma clays, 15 to 40 percent slopes	Okaton	60	G063AY000SD	Not suited
095	SIE	Okaton-Lakoma clays, 15 to 40 percent slopes	Lakoma	25	G063AY000SD	Not suited
095	SmE	Sansarc-Manter complex, 15 to 40 percent slopes	Sansarc	50	G063AY000SD	Not suited
095	SmE	Sansarc-Manter complex, 15 to 40 percent slopes	Manter	30	G063AY000SD	Not suited
095	SnE	Sansarc-Schamber complex, 15 to 40 percent slopes	Sansarc	70	G063AY000SD	Not suited
095	SnE	Sansarc-Schamber complex, 15 to 40 percent slopes	Schamber	20	G063AY000SD	Not suited
095	Ss	Sansarc-Rock outcrop complex, 15 to 40 percent slopes	Sansarc	70	G063AY000SD	Not suited
095	Ss	Sansarc-Rock outcrop complex, 15 to 40 percent slopes	Rock outcrop	20	G063AY000SD	Not suited
095	SvE	Schamber-Murdo gravelly loams, 15 to 25 percent slopes	Schamber	60	G063AY000SD	Not suited
095	SvE	Schamber-Murdo gravelly loams, 15 to 25 percent slopes	Murdo	30	G063AY000SD	Not suited
107	Hu	Hurley silt loam	Hurley	85	G063AY000SD	Not suited
107	Hz	Hurley-Slickspots complex	Hurley	55	G063AY000SD	Not suited
107	Hz	Hurley-Slickspots complex	Slickspots	30	G063AY000SD	Not suited
107	LoA	Lowry silt loam, 0 to 2 percent slopes	Lowry	86	G063AY100SD	Loam
107	LoB	Lowry silt loam, 2 to 6 percent slopes	Lowry	90	G063AY100SD	Loam
107	LoC	Lowry silt loam, 6 to 9 percent slopes	Lowry	80	G063AY100SD	Loam
107	LpC	Lowry-Peno complex, 6 to 9 percent slopes	Lowry	60	G063AY100SD	Loam
107	LpC	Lowry-Peno complex, 6 to 9 percent slopes	Peno	25	G063AY100SD	Loam
107	LpD	Lowry-Peno complex, 9 to 15 percent slopes	Lowry	55	G063AY100SD	Loam
107	LpD	Lowry-Peno complex, 9 to 15 percent slopes	Peno	30	G063AY100SD	Loam
107	OkF	Okaton silty clay, 15 to 40 percent slopes	Okaton	85	G063AY000SD	Not suited
107	OpB	Opal clay, 2 to 6 percent slopes	Opal	85	G063AY210SD	Clayey Subsoil
107	OpC	Opal clay, 6 to 9 percent slopes	Opal	85	G063AY210SD	Clayey Subsoil
107	OsD	Opal-Sansarc clays, 9 to 25 percent slopes	Opal	55	G063AY000SD	Not suited
107	OsD	Opal-Sansarc clays, 9 to 25 percent slopes	Sansarc	30	G063AY000SD	Not suited
107	PrA	Promise clay, 0 to 2 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
107	PrB	Promise clay, 2 to 6 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
107	SaF	Sansarc clay, 15 to 40 percent slopes	Sansarc	80	G063AY000SD	Not suited
107	Wf	Wendte silty clay loam, channeled	Wendte	85	G063AY500SD	Overflow
117	AgA	Agar silt loam, 0 to 3 percent slopes	Agar	90	G063AY100SD	Loam
117	AgB	Agar silt loam, 3 to 6 percent slopes	Agar	90	G063AY100SD	Loam
117	AkA	Fairlo silt loam, 0 to 3 percent slopes	Fairlo	90	G063AY210SD	Clayey Subsoil
117	AkB	Fairlo silt loam, 3 to 6 percent slopes	Fairlo	90	G063AY210SD	Clayey Subsoil
117	CaA	Canning loam, 0 to 3 percent slopes	Canning	90	G063AY120SD	Droughty Loam
117	CaB	Canning loam, 3 to 6 percent slopes	Canning	90	G063AY120SD	Droughty Loam
117	CaC	Canning loam, 6 to 9 percent slopes	Canning	85	G063AY120SD	Droughty Loam
117	Cc	Carter-Capa silt loams	Carter	55	G063AY800SD	Claypan
117	Cc	Carter-Capa silt loams	Capa	35	G063AY000SD	Not suited
117	ChB	Chantier clay, 2 to 9 percent slopes	Chantier	90	G063AY000SD	Not suited
117	CsC	Chantier-Sansarc clays, 3 to 15 percent slopes	Chantier	50	G063AY000SD	Not suited
117	CsC	Chantier-Sansarc clays, 3 to 15 percent slopes	Sansarc	40	G063AY000SD	Not suited
117	Ct	Capa-Wendte, channeled, complex	Capa	50	G063AY000SD	Not suited

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117	Ct	Capa-Wendte, channeled, complex	Wendte	35	G063AY500SD	Overflow
117	CwB	Chantier-Bullcreek clays, 2 to 9 percent slopes	Chantier	50	G063AY000SD	Not suited
117	CwB	Chantier-Bullcreek clays, 2 to 9 percent slopes	Bullcreek	40	G063AY000SD	Not suited
117	Do	Dorna silt loam	Dorna	95	G063AY100SD	Loam
117	Ho	Hoven silt loam	Hoven	95	G063AY000SD	Not suited
117	HrA	Capa silt loam, 0 to 3 percent slopes	Capa	85	G063AY000SD	Not suited
117	Hs	Capa-Slickspots complex	Capa	50	G063AY000SD	Not suited
117	Hs	Capa-Slickspots complex	Slickspots	40	G063AY000SD	Not suited
117	In	Inavale fine sand	Inavale	90	G063AY300SD	Sand
117	KeA	Kirley loam, 0 to 3 percent slopes	Kirley	90	G063AY210SD	Clayey Subsoil
117	KeB	Kirley loam, 3 to 6 percent slopes	Kirley	90	G063AY210SD	Clayey Subsoil
117	Ko	Kolls clay	Kolls	90	G063AY900SD	Wet
117	LaB	Lakoma clay, 3 to 6 percent slopes	Lakoma	95	G063AY210SD	Clayey Subsoil
117	LaC	Lakoma clay, 6 to 9 percent slopes	Lakoma	90	G063AY210SD	Clayey Subsoil
117	LaD	Lakoma silty clay, 6 to 15 percent slopes	Lakoma	85	G063AY210SD	Clayey Subsoil
117	LkD	Lakoma-Okaton clays, 6 to 15 percent slopes	Lakoma	45	G063AY210SD	Clayey Subsoil
117	LkD	Lakoma-Okaton clays, 6 to 15 percent slopes	Okaton	40	G063AY000SD	Not suited
117	LoA	Lowry silt loam, 0 to 3 percent slopes	Lowry	95	G063AY100SD	Loam
117	LoB	Lowry silt loam, 3 to 6 percent slopes	Lowry	98	G063AY100SD	Loam
117	LoC	Lowry silt loam, 6 to 9 percent slopes	Lowry	99	G063AY100SD	Loam
117	McA	McClure silt loam, 0 to 3 percent slopes	McClure	85	G063AY210SD	Clayey Subsoil
117	McB	McClure silt loam, 3 to 6 percent slopes	McClure	85	G063AY210SD	Clayey Subsoil
117	MdA	Millboro silt loam, 0 to 3 percent slopes	Millboro	75	G063AY210SD	Clayey Subsoil
117	MdB	Millboro silt loam, 3 to 6 percent slopes	Millboro	80	G063AY210SD	Clayey Subsoil
117	MoA	Millboro silty clay loam, 0 to 3 percent slopes	Millboro	85	G063AY210SD	Clayey Subsoil
117	MoB	Millboro silty clay loam, 3 to 6 percent slopes	Millboro	85	G063AY210SD	Clayey Subsoil
117	Mu	Munjor-Inavale complex	Munjor	55	G063AY120SD	Droughty Loam
117	Mu	Munjor-Inavale complex	Inavale	35	G063AY300SD	Sand
117	Nb	Nimbro silty clay loam	Nimbro	90	G063AY100SD	Loam
117	OA	Oahe dam	Orthents	100	G063AY000SD	Not suited
117	OfE	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	Okaton	45	G063AY000SD	Not suited
117	OfE	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	Bullcreek	20	G063AY000SD	Not suited
117	OfE	Okaton-Wendte-Bullcreek complex, 0 to 45 percent slopes	Wendte	20	G063AY500SD	Overflow
117	OkE	Okaton-Lakoma clays, 15 to 40 percent slopes	Okaton	65	G063AY000SD	Not suited
117	OkE	Okaton-Lakoma clays, 15 to 40 percent slopes	Lakoma	25	G063AY000SD	Not suited
117	OkE	Okaton-Lakoma clays, 15 to 40 percent slopes	Bullcreek	3	G063AY000SD	Not suited
117	OIC	Opal clay loam, 6 to 9 percent slopes	Opal	95	G063AY210SD	Clayey Subsoil
117	OpA	Opal clay, 0 to 3 percent slopes	Opal	95	G063AY210SD	Clayey Subsoil
117	OpB	Opal clay, 3 to 6 percent slopes	Opal	95	G063AY210SD	Clayey Subsoil
117	OpC	Opal clay, 6 to 9 percent slopes	Opal	90	G063AY210SD	Clayey Subsoil
117	OsD	Opal-Sansarc clays, 6 to 15 percent slopes	Opal	60	G063AY210SD	Clayey Subsoil
117	OsD	Opal-Sansarc clays, 6 to 15 percent slopes	Sansarc	25	G063AY000SD	Not suited
117	OtB	Opal-Chantier clays, 2 to 6 percent slopes	Opal	60	G063AY210SD	Clayey Subsoil
117	OtB	Opal-Chantier clays, 2 to 6 percent slopes	Chantier	30	G063AY000SD	Not suited

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117	OtC	Opal-Chantier clays, 6 to 9 percent slopes	Opal	60	G063AY210SD	Clayey Subsoil
117	OtC	Opal-Chantier clays, 6 to 9 percent slopes	Chantier	30	G063AY000SD	Not suited
117	OvA	Ottumwa silty clay, 0 to 3 percent slopes	Ottumwa	85	G063AY210SD	Clayey Subsoil
117	OwB	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	Ottumwa	65	G063AY210SD	Clayey Subsoil
117	OwB	Ottumwa-Lakoma silty clays, 3 to 6 percent slopes	Lakoma	30	G063AY210SD	Clayey Subsoil
117	OwC	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	Ottumwa	55	G063AY210SD	Clayey Subsoil
117	OwC	Ottumwa-Lakoma silty clays, 6 to 9 percent slopes	Lakoma	35	G063AY210SD	Clayey Subsoil
117	OxB	Opal-Promise clays, 3 to 6 percent slopes	Opal	50	G063AY210SD	Clayey Subsoil
117	OxB	Opal-Promise clays, 3 to 6 percent slopes	Promise	40	G063AY210SD	Clayey Subsoil
117	Pg	Pits, gravel	Orthents	99	G063AY000SD	Not suited
117	PrA	Promise clay, 0 to 3 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
117	PrB	Promise clay, 3 to 6 percent slopes	Promise	95	G063AY210SD	Clayey Subsoil
117	PrC	Promise clay, 6 to 9 percent slopes	Promise	95	G063AY210SD	Clayey Subsoil
117	Ps	Promise-Capa complex	Promise	68	G063AY210SD	Clayey Subsoil
117	Ps	Promise-Capa complex	Capa	29	G063AY000SD	Not suited
117	ReA	Ree loam, 0 to 3 percent slopes	Ree	90	G063AY100SD	Loam
117	ReB	Ree loam, 3 to 6 percent slopes	Ree	90	G063AY100SD	Loam
117	ReC	Ree loam, 6 to 9 percent slopes	Ree	85	G063AY100SD	Loam
117	Rs	Rock outcrop-Sansarc complex	Rock outcrop	70	G063AY000SD	Not suited
117	Rs	Rock outcrop-Sansarc complex	Sansarc	20	G063AY000SD	Not suited
117	SaE	Sansarc clay, 6 to 40 percent slopes	Sansarc	85	G063AY000SD	Not suited
117	ScD	Sansarc-Opal clays, 6 to 15 percent slopes	Sansarc	45	G063AY000SD	Not suited
117	ScD	Sansarc-Opal clays, 6 to 15 percent slopes	Opal	40	G063AY210SD	Clayey Subsoil
117	ScE	Sansarc-Opal clays, 15 to 40 percent slopes	Sansarc	65	G063AY000SD	Not suited
117	ScE	Sansarc-Opal clays, 15 to 40 percent slopes	Opal	25	G063AY000SD	Not suited
117	Sd	Sansarc-Rock outcrop complex	Sansarc	55	G063AY000SD	Not suited
117	Sd	Sansarc-Rock outcrop complex	Rock outcrop	35	G063AY000SD	Not suited
117	ShE	Schamber gravelly loam, 9 to 40 percent slopes	Schamber	85	G063AY000SD	Not suited
117	SmD	Schamber-Murdo complex, 6 to 15 percent slopes	Murdo	45	G063AY130SD	Very Droughty Loam
117	SmD	Schamber-Murdo complex, 6 to 15 percent slopes	Schamber	45	G063AY000SD	Not suited
117	SmE	Schamber-Murdo complex, 15 to 40 percent slopes	Schamber	50	G063AY000SD	Not suited
117	SmE	Schamber-Murdo complex, 15 to 40 percent slopes	Murdo	40	G063AY000SD	Not suited
117	Sp	Spillway	Spillway	100	G063AY000SD	Not suited
117	SuC	Sully silt loam, 3 to 9 percent slopes	Sully	90	G063AY400SD	Limy Upland
117	SuE	Sully silt loam, 9 to 25 percent slopes	Sully	90	G063AY400SD	Limy Upland
117	SvE	Sully-Sansarc complex, 9 to 25 percent slopes	Sully	55	G063AY400SD	Limy Upland
117	SvE	Sully-Sansarc complex, 9 to 25 percent slopes	Sansarc	40	G063AY000SD	Not suited
117	Sw	Bullcreek clay	Bullcreek	85	G063AY000SD	Not suited
117	Sx	Bullcreek-Slickspots complex	Bullcreek	60	G063AY000SD	Not suited
117	Sx	Bullcreek-Slickspots complex	Slickspots	30	G063AY000SD	Not suited
117	Wc	Wendte clay	Wendte	85	G063AY500SD	Overflow
117	Wd	Wendte clay, channeled	Wendte	90	G063AY500SD	Overflow
117	Wf	Albaton clay, frequently flooded	Albaton	90	G063AY900SD	Wet
117	WsE	Westover loam, 15 to 40 percent slopes	Westover	85	G063AY000SD	Not suited
117	Wt	Witten clay	Witten	90	G063AY500SD	Overflow

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119	Cd	Wendte-Herdcamp complex, 0 to 2 percent slopes	Wendte	65	G063AY500SD	Overflow
119	Cd	Wendte-Herdcamp complex, 0 to 2 percent slopes	Herdcamp	25	G063AY000SD	Not suited
119	DoF	Dupree-Opal clays, 6 to 34 percent slopes	Dupree	60	G063AY000SD	Not suited
119	DoF	Dupree-Opal clays, 6 to 34 percent slopes	Opal	25	G063AY000SD	Not suited
119	Ds	Dupree-Rock outcrop complex	Dupree	60	G063AY000SD	Not suited
119	Ds	Dupree-Rock outcrop complex	Rock outcrop	30	G063AY000SD	Not suited
119	HuA	Hurley silt loam, 0 to 5 percent slopes	Hurley	85	G063AY000SD	Not suited
119	OtB	Opal clay, 2 to 6 percent slopes	Opal	85	G063AY210SD	Clayey Subsoil
119	OtC	Opal clay, 6 to 9 percent slopes	Opal	90	G063AY210SD	Clayey Subsoil
119	OuD	Opal-Dupree clays, 6 to 21 percent slopes	Opal	55	G063AY000SD	Not suited
119	OuD	Opal-Dupree clays, 6 to 21 percent slopes	Dupree	35	G063AY000SD	Not suited
119	PrA	Promise silty clay, 0 to 2 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
119	PrB	Promise silty clay, 2 to 5 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
119	Ru	Betts-Gettys complex, stony	Betts	45	G063AY000SD	Not suited
119	Ru	Betts-Gettys complex, stony	Gettys	40	G063AY000SD	Not suited
119	St	Rock outcrop-Dupree complex	Rock outcrop	65	G063AY000SD	Not suited
119	St	Rock outcrop-Dupree complex	Dupree	20	G063AY000SD	Not suited
129	HuB	Hurley silt loam, 2 to 9 percent slopes	Hurley	85	G063AY000SD	Not suited
129	Je	Jerauld silt loam	Jerauld	90	G063AY000SD	Not suited
129	Js	Jerauld-Slickspots complex	Jerauld	55	G063AY000SD	Not suited
129	Js	Jerauld-Slickspots complex	Slickspots	40	G063AY000SD	Not suited
129	LoA	Lowry silt loam, 0 to 2 percent slopes	Lowry	90	G063AY100SD	Loam
129	LoB	Lowry silt loam, 2 to 6 percent slopes	Lowry	90	G063AY100SD	Loam
129	LoC	Lowry silt loam, 6 to 9 percent slopes	Lowry	85	G063AY100SD	Loam
129	OpC	Opal clay, 2 to 9 percent slopes	Opal	90	G063AY210SD	Clayey Subsoil
129	Or	Orthents, loamy	Orthents	100	G063AY000SD	Not suited
129	OsD	Opal-Sansarc clays, 6 to 15 percent slopes	Opal	60	G063AY210SD	Clayey Subsoil
129	OsD	Opal-Sansarc clays, 6 to 15 percent slopes	Sansarc	30	G063AY000SD	Not suited
129	PsA	Promise clay, 0 to 2 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
129	PsB	Promise clay, 2 to 6 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
129	SaE	Sansarc-Opal clays, 15 to 40 percent slopes	Sansarc	50	G063AY000SD	Not suited
129	SaE	Sansarc-Opal clays, 15 to 40 percent slopes	Opal	40	G063AY000SD	Not suited
129	SuC	Sully silt loam, 2 to 9 percent slopes	Sully	90	G063AY400SD	Limy Upland
129	SuD	Sully silt loam, 9 to 15 percent slopes	Sully	85	G063AY400SD	Limy Upland
129	SuE	Sully silt loam, 15 to 40 percent slopes	Sully	85	G063AY000SD	Not suited
129	SwA	Bullcreek clay, 0 to 6 percent slopes	Bullcreek	90	G063AY000SD	Not suited
129	TaA	Tally fine sandy loam, 0 to 2 percent slopes	Tally	85	G063AY120SD	Droughty Loam
129	TaB	Tally fine sandy loam, 2 to 6 percent slopes	Tally	85	G063AY120SD	Droughty Loam
129	TaC	Tally fine sandy loam, 6 to 9 percent slopes	Tally	85	G063AY120SD	Droughty Loam
129	Us	Wendte clay loam, channeled	Wendte	85	G063AY500SD	Overflow
129	WaE	Wabek loam, 9 to 40 percent slopes	Wabek	85	G063AY000SD	Not suited
131	KyA	Swanboy clay, 0 to 3 percent slopes	Swanboy	90	G063AY000SD	Not suited
131	PeC	Pierre clay, 3 to 9 percent slopes	Pierre	85	G063AY210SD	Clayey Subsoil
131	PsE	Pierre-Samsil clays, 9 to 25 percent slopes	Pierre	55	G063AY000SD	Not suited
131	PsE	Pierre-Samsil clays, 9 to 25 percent slopes	Samsil	30	G063AY000SD	Not suited

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131	SpE	Samsil-Pierre clays, 9 to 25 percent slopes	Samsil	50	G063AY000SD	Not suited
131	SpE	Samsil-Pierre clays, 9 to 25 percent slopes	Pierre	40	G063AY000SD	Not suited
131	Ss	Samsil-Shale outcrop complex, 9 to 40 percent slopes	Samsil	50	G063AY000SD	Not suited
131	Ss	Samsil-Shale outcrop complex, 9 to 40 percent slopes	Rock outcrop	30	G063AY000SD	Not suited
131	Sw	Swanboy clay, 0 to 6 percent slopes	Swanboy	85	G063AY000SD	Not suited
137	Bk	Bankard loamy fine sand	Bankard	85	G063AY300SD	Sand
137	Bn	Bankard variant loamy fine sand	Bankard	85	G063AY300SD	Sand
137	Ct	Craft very fine sandy loam	Craft	85	G063AY100SD	Loam
137	DuC	Dupree clay, 3 to 15 percent slopes	Dupree	90	G063AY000SD	Not suited
137	Fv	Fluvaquents, ponded	Fluvents, flooded	90	G063AY000SD	Not suited
137	Hc	Haverson silt loam, channeled	Haverson	85	G063AY500SD	Overflow
137	HpC	Hisle-Pierre complex, 2 to 9 percent slopes	Hisle	45	G063AY000SD	Not suited
137	HpC	Hisle-Pierre complex, 2 to 9 percent slopes	Pierre	40	G063AY210SD	Clayey Subsoil
137	HsB	Hisle-Slickspots complex, 2 to 9 percent slopes	Hisle	65	G063AY000SD	Not suited
137	HsB	Hisle-Slickspots complex, 2 to 9 percent slopes	Slickspots	20	G063AY000SD	Not suited
137	KyB	Kyle clay, 2 to 6 percent slopes	Kyle	90	G063AY210SD	Clayey Subsoil
137	Ln	Lohmiller silty clay loam	Lohmiller	85	G063AY210SD	Clayey Subsoil
137	Lo	Lohmiller silty clay loam, channeled	Lohmiller	85	G063AY500SD	Overflow
137	PeB	Pierre clay, 2 to 6 percent slopes	Pierre	85	G063AY210SD	Clayey Subsoil
137	PeC	Pierre clay, 6 to 9 percent slopes	Pierre	85	G063AY210SD	Clayey Subsoil
137	PmD	Pierre-Samsil clays, 9 to 30 percent slopes	Pierre	60	G063AY210SD	Clayey Subsoil
137	PmD	Pierre-Samsil clays, 9 to 30 percent slopes	Samsil	25	G063AY000SD	Not suited
137	PrA	Promise clay, silty substratum, 0 to 2 percent slopes	Promise	90	G063AY210SD	Clayey Subsoil
137	RaA	Ree loam, 0 to 2 percent slopes	Ree	90	G063AY100SD	Loam
137	RaB	Ree loam, 2 to 6 percent slopes	Ree	85	G063AY100SD	Loam
137	RoA	Reliance silty clay loam, 0 to 2 percent slopes	Reliance	90	G063AY100SD	Loam
137	RoB	Reliance silty clay loam, 2 to 6 percent slopes	Reliance	85	G063AY100SD	Loam
137	Rw	Riverwash	Riverwash	100	G063AY000SD	Not suited
137	SaE	Samsil clay, 15 to 40 percent slopes	Samsil	85	G063AY000SD	Not suited
137	ScF	Samsil-Rock outcrop complex, 9 to 60 percent slopes	Samsil	60	G063AY000SD	Not suited
137	ScF	Samsil-Rock outcrop complex, 9 to 60 percent slopes	Rock outcrop	30	G063AY000SD	Not suited
137	ShE	Schamber-Samsil complex, 9 to 40 percent slopes	Schamber	50	G063AY000SD	Not suited
137	ShE	Schamber-Samsil complex, 9 to 40 percent slopes	Samsil	40	G063AY000SD	Not suited
137	Sp	Slickspots	Slickspots	90	G063AY000SD	Not suited
137	SwB	Swanboy clay, 0 to 6 percent slopes	Swanboy	85	G063AY000SD	Not suited
137	SxC	Swanboy-Kyle clays, 2 to 15 percent slopes	Swanboy	50	G063AY000SD	Not suited
137	SxC	Swanboy-Kyle clays, 2 to 15 percent slopes	Kyle	35	G063AY210SD	Clayey Subsoil
137	SyB	Swanboy-Slickspots complex, 0 to 6 percent slopes	Swanboy	55	G063AY000SD	Not suited
137	SyB	Swanboy-Slickspots complex, 0 to 6 percent slopes	Slickspots	30	G063AY000SD	Not suited
137	We	Wendte silty clay	Wendte	90	G063AY500SD	Overflow
137	Wn	Wendte silty clay, channeled	Wendte	85	G063AY500SD	Overflow
605	BhA	Beckton-Arvada complex, 0 to 4 percent slopes	Beckton	50	G063AY800SD	Claypan
605	BhA	Beckton-Arvada complex, 0 to 4 percent slopes	Arvada	35	G063AY000SD	Not suited
605	BkA	Blackpipe silty clay loam, 0 to 2 percent slopes	Blackpipe	85	G063AY100SD	Loam

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605	BkB	Blackpipe silty clay loam, 2 to 6 percent slopes	Blackpipe	85	G063AY100SD	Loam
605	BoA	Blackpipe-Wortman complex, 0 to 3 percent slopes	Blackpipe	50	G063AY100SD	Loam
605	BoA	Blackpipe-Wortman complex, 0 to 3 percent slopes	Wortman	35	G063AY800SD	Claypan
605	CyC	Cushman loam, 6 to 9 percent slopes	Cushman	85	G063AY100SD	Loam
605	CzD	Cushman-Shingle loams, 9 to 15 percent slopes	Cushman	45	G063AY100SD	Loam
605	CzD	Cushman-Shingle loams, 9 to 15 percent slopes	Shingle	35	G063AY000SD	Not suited
605	HpB	Hisle silt loam, 0 to 6 percent slopes	Hisle	90	G063AY000SD	Not suited
605	Hv	Hoven silt loam	Hoven	90	G063AY000SD	Not suited
605	Hv	Hoven variant silty clay, ponded	Hoven	85	G063AY000SD	Not suited
605	MoE	Midway silty clay loam, 15 to 40 percent slopes	Midway	85	G063AY000SD	Not suited
605	OtA	Ottumwa clay, 0 to 2 percent slopes	Ottumwa	90	G063AY210SD	Clayey Subsoil
605	OtB	Ottumwa clay, 2 to 6 percent slopes	Ottumwa	85	G063AY210SD	Clayey Subsoil
605	OvC	Ottumwa-Razor complex, 6 to 9 percent slopes	Ottumwa	55	G063AY210SD	Clayey Subsoil
605	OvC	Ottumwa-Razor complex, 6 to 9 percent slopes	Razor	30	G063AY210SD	Clayey Subsoil
605	PeC	Pierre clay, 6 to 9 percent slopes	Pierre	85	G063AY210SD	Clayey Subsoil
605	RaB	Razor silty clay, 2 to 6 percent slopes	Razor	85	G063AY210SD	Clayey Subsoil
605	RaC	Razor silty clay, 6 to 9 percent slopes	Razor	85	G063AY210SD	Clayey Subsoil
605	RbD	Razor-Midway complex, 6 to 15 percent slopes	Razor	50	G063AY210SD	Clayey Subsoil
605	RbD	Razor-Midway complex, 6 to 15 percent slopes	Midway	35	G063AY000SD	Not suited
605	SuE	Shingle loam, 15 to 25 percent slopes	Shingle	85	G063AY000SD	Not suited
605	SvF	Shingle-Rock outcrop complex, 25 to 60 percent slopes	Shingle	50	G063AY000SD	Not suited
605	SvF	Shingle-Rock outcrop complex, 25 to 60 percent slopes	Rock outcrop	35	G063AY000SD	Not suited
605	WwB	Wortman silt loam, 0 to 6 percent slopes	Wortman	85	G063AY800SD	Claypan