

Survey area	Mapunit symbol	Mapunit name	Component	Pct	FSG ID	FSG name
019	Be	Barnum silt loam	Barnum	90	G061XY120SD	Droughty Loam
019	BsB	Boneek silt loam, 2 to 6 percent slopes	Boneek	90	G061XY100SD	Loam
019	BsC	Boneek silt loam, 6 to 9 percent slopes	Boneek	90	G061XY100SD	Loam
019	BvF	Butche-Rock outcrop complex, 25 to 50 percent slopes	Butche	50	G061XY000SD	Not suited
019	BvF	Butche-Rock outcrop complex, 25 to 50 percent slopes	Rock outcrop	30	G061XY000SD	Not suited
019	CIF	Canyon-Colby silt loams, 25 to 50 percent slopes	Canyon	50	G061XY000SD	Not suited
019	CIF	Canyon-Colby silt loams, 25 to 50 percent slopes	Colby	25	G061XY000SD	Not suited
019	CoD	Colby-Canyon silt loams, 6 to 25 percent slopes	Colby	50	G061XY400SD	Limy Upland
019	CoD	Colby-Canyon silt loams, 6 to 25 percent slopes	Canyon	30	G061XY000SD	Not suited
019	KeA	Keith silt loam, 0 to 2 percent slopes	Keith	90	G061XY100SD	Loam
019	KeB	Keith silt loam, 2 to 6 percent slopes	Keith	90	G061XY100SD	Loam
019	KeC	Keith silt loam, 6 to 9 percent slopes	Keith	85	G061XY100SD	Loam
019	LaF	Lakoa-Colby association, 9 to 50 percent slopes	Lakoa	50	G061XY000SD	Not suited
019	LaF	Lakoa-Colby association, 9 to 50 percent slopes	Colby	35	G061XY000SD	Not suited
019	NeB	Nevee silt loam, 2 to 6 percent slopes	Nevee	90	G061XY400SD	Limy Upland
019	NsD	Nevee-Spearfish silt loams, 6 to 25 percent slopes	Nevee	55	G061XY000SD	Not suited
019	NsD	Nevee-Spearfish silt loams, 6 to 25 percent slopes	Spearfish	35	G061XY000SD	Not suited
019	RsF	Rock outcrop-Spearfish complex, 25 to 50 percent slopes	Rock outcrop	50	G061XY000SD	Not suited
019	RsF	Rock outcrop-Spearfish complex, 25 to 50 percent slopes	Spearfish	35	G061XY000SD	Not suited
047	Bc	Barnum silt loam	Barnum	90	G061XY500SD	Overflow
047	BoA	Boneek silt loam, 0 to 2 percent slopes	Boneek	95	G061XY100SD	Loam
047	BoB	Boneek silt loam, 2 to 6 percent slopes	Boneek	90	G061XY100SD	Loam
047	BpB	Boneek silt loam, bedrock substratum, 2 to 6 percent slopes	Boneek	90	G061XY100SD	Loam
047	BvD	Butche-Boneek complex, 3 to 15 percent slopes	Butche	55	G061XY000SD	Not suited
047	BvD	Butche-Boneek complex, 3 to 15 percent slopes	Boneek	30	G061XY100SD	Loam
047	BwE	Butche-Rock outcrop complex, 9 to 60 percent slopes	Butche	60	G061XY000SD	Not suited
047	BwE	Butche-Rock outcrop complex, 9 to 60 percent slopes	Rock outcrop	25	G061XY000SD	Not suited
047	CdF	Canyon-Rock outcrop complex, 15 to 60 percent slopes	Canyon	60	G061XY000SD	Not suited
047	CdF	Canyon-Rock outcrop complex, 15 to 60 percent slopes	Rock outcrop	25	G061XY000SD	Not suited
047	GuC	Gurney-Butche complex, 2 to 9 percent slopes	Gurney	55	G061XY120SD	Droughty Loam
047	GuC	Gurney-Butche complex, 2 to 9 percent slopes	Butche	25	G061XY000SD	Not suited
047	HbB	Haverson variant loam, 3 to 9 percent slopes	Haverson	90	G061XY100SD	Loam
047	MmE	Mathias-Midway-Rock outcrop complex, 15 to 30 percent slopes	Mathias	50	G061XY000SD	Not suited
047	MmE	Mathias-Midway-Rock outcrop complex, 15 to 30 percent slopes	Midway	20	G061XY000SD	Not suited
047	MmE	Mathias-Midway-Rock outcrop complex, 15 to 30 percent slopes	Rock outcrop	15	G061XY000SD	Not suited
047	MnF	Mathias-Rockkoa-Rock outcrop complex, 25 to 60 percent slopes	Mathias	40	G061XY000SD	Not suited
047	MnF	Mathias-Rockkoa-Rock outcrop complex, 25 to 60 percent slopes	Rockkoa	35	G061XY000SD	Not suited

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047	MnF	Mathias-Rockoa-Rock outcrop complex, 25 to 60 percent slopes	Rock outcrop	15	G061XY000SD	Not suited
047	NeD	Nevee silt loam, 6 to 15 percent slopes	Nevee	90	G061XY400SD	Limy Upland
047	Or	Orthents, loamy	Orthents	80	G061XY000SD	Not suited
047	Or	Orthents, loamy	Orthents	20	G061XY000SD	Not suited
047	Pu	Pits, mine	Pits	100	G061XY000SD	Not suited
047	ReD	Rekop-Tilford-Gystrum complex, 6 to 15 percent slopes	Rekop	35	G061XY000SD	Not suited
047	ReD	Rekop-Tilford-Gystrum complex, 6 to 15 percent slopes	Gystrum	25	G061XY000SD	Not suited
047	ReD	Rekop-Tilford-Gystrum complex, 6 to 15 percent slopes	Tilford	25	G061XY100SD	Loam
047	RgF	Rock outcrop-Gystrum complex, 9 to 50 percent slopes	Rock outcrop	50	G061XY000SD	Not suited
047	RgF	Rock outcrop-Gystrum complex, 9 to 50 percent slopes	Gystrum	35	G061XY000SD	Not suited
047	RoF	Rock outcrop-Mathias-Butche complex, 30 to 75 percent slopes	Rock outcrop	40	G061XY000SD	Not suited
047	RoF	Rock outcrop-Mathias-Butche complex, 30 to 75 percent slopes	Mathias	25	G061XY000SD	Not suited
047	RoF	Rock outcrop-Mathias-Butche complex, 30 to 75 percent slopes	Butche	20	G061XY000SD	Not suited
047	RrF	Rockoa-Rock outcrop complex, 25 to 60 percent slopes	Rockoa	65	G061XY000SD	Not suited
047	RrF	Rockoa-Rock outcrop complex, 25 to 60 percent slopes	Rock outcrop	20	G061XY000SD	Not suited
047	SpF	Spearfish-Rock outcrop complex, 9 to 50 percent slopes	Spearfish	50	G061XY000SD	Not suited
047	SpF	Spearfish-Rock outcrop complex, 9 to 50 percent slopes	Rock outcrop	35	G061XY000SD	Not suited
047	SsE	Spearfish-Tilford extremely stony loams, 6 to 25 percent slopes	Spearfish	45	G061XY000SD	Not suited
047	SsE	Spearfish-Tilford extremely stony loams, 6 to 25 percent slopes	Tilford	35	G061XY000SD	Not suited
047	TaA	Tilford silt loam, 0 to 2 percent slopes	Tilford	90	G061XY100SD	Loam
047	TaB	Tilford silt loam, 2 to 6 percent slopes	Tilford	90	G061XY100SD	Loam
047	TaC	Tilford silt loam, 6 to 9 percent slopes	Tilford	90	G061XY100SD	Loam
047	TgC	Tilford-Gystrum complex, 2 to 9 percent slopes	Tilford	55	G061XY100SD	Loam
047	TgC	Tilford-Gystrum complex, 2 to 9 percent slopes	Gystrum	30	G061XY000SD	Not suited
081	AaB	ALICE FINE SANDY LOAM, 0 TO 6 PERCENT SLOPES	Alice	90	G061XY120SD	Droughty Loam
081	Ba	BARNUM SILT LOAM	Barnum	90	G061XY500SD	Overflow
081	Bb	BARNUM SILT LOAM, CHANNELED	Barnum	85	G061XY500SD	Overflow
081	BcA	BONEEK SILT LOAM, 0 TO 2 PERCENT SLOPES	Boneek	90	G061XY100SD	Loam
081	BcB	BONEEK SILT LOAM, 2 TO 6 PERCENT SLOPES	Boneek	85	G061XY100SD	Loam
081	BcC	BONEEK SILT LOAM, 6 TO 9 PERCENT SLOPES	Boneek	85	G061XY100SD	Loam
081	BeE	BUTCHE STONY LOAM, 6 TO 50 PERCENT SLOPES	Butche	85	G061XY000SD	Not suited
081	BhE	BUTCHE-ROCK OUTCROP COMPLEX, 25 TO 50 PERCENT SLOPES	Butche	60	G061XY000SD	Not suited

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081	BhE	BUTCHE-ROCK OUTCROP COMPLEX, 25 TO 50 PERCENT SLOPES	Rock outcrop	25	G061XY000SD	Not suited
081	BkD	BUTCHE-SATANTA LOAMS, 6 TO 25 PERCENT SLOPES	Butche	60	G061XY000SD	Not suited
081	BkD	BUTCHE-SATANTA LOAMS, 6 TO 25 PERCENT SLOPES	Satanta	35	G061XY100SD	Loam
081	CaD	CANYON-BRIDGET COMPLEX, 6 TO 25 PERCENT SLOPES	Canyon	55	G061XY000SD	Not suited
081	CaD	CANYON-BRIDGET COMPLEX, 6 TO 25 PERCENT SLOPES	Bridget	25	G061XY100SD	Loam
081	CaE	CANYON-BRIDGET COMPLEX, 9 TO 50 PERCENT SLOPES	Canyon	60	G061XY000SD	Not suited
081	CaE	CANYON-BRIDGET COMPLEX, 9 TO 50 PERCENT SLOPES	Bridget	25	G061XY100SD	Loam
081	GaD	GLENBERG VARIANT FINE SANDY LOAM	Glenberg	90	G061XY500SD	Overflow
081	GeD	GYPNEVEE-REKOP LOAMS, 6 TO 25 PERCENT SLOPES	Gypnevee	65	G061XY100SD	Loam
081	GeD	GYPNEVEE-REKOP LOAMS, 6 TO 25 PERCENT SLOPES	Rekop	25	G061XY000SD	Not suited
081	Ha	HIGGINS SILT LOAM	Higgins	90	G061XY000SD	Not suited
081	LaE	LAKOA SILT LOAM, 25 TO 50 PERCENT SLOPES	Lakoa	80	G061XY000SD	Not suited
081	MaD	MAITLAND LOAM, 9 TO 50 PERCENT SLOPES	Maitland	85	G061XY000SD	Not suited
081	NaB	NEVEE SILT LOAM, 2 TO 6 PERCENT SLOPES	Nevee	85	G061XY400SD	Limy Upland
081	NaC	NEVEE SILT LOAM, 6 TO 9 PERCENT SLOPES	Nevee	85	G061XY400SD	Limy Upland
081	NbD	NEVEE-SPEARFISH-ROCK OUTCROP COMPLEX, 9 TO 40 PERCENT SLOPES	Nevee	35	G061XY400SD	Limy Upland
081	NbD	NEVEE-SPEARFISH-ROCK OUTCROP COMPLEX, 9 TO 40 PERCENT SLOPES	Spearfish	30	G061XY000SD	Not suited
081	NbD	NEVEE-SPEARFISH-ROCK OUTCROP COMPLEX, 9 TO 40 PERCENT SLOPES	Rock outcrop	20	G061XY000SD	Not suited
081	RaE	REKOP-GYPNEVEE-ROCK OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES	Rekop	35	G061XY000SD	Not suited
081	RaE	REKOP-GYPNEVEE-ROCK OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES	Gypnevee	25	G061XY000SD	Not suited
081	RaE	REKOP-GYPNEVEE-ROCK OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES	Rock outcrop	20	G061XY000SD	Not suited
081	ShA	ST. ONGE LOAM, 0 TO 2 PERCENT SLOPES	St. Onge	90	G061XY500SD	Overflow
081	Sk	SWINT SILT LOAM	Swint	90	G061XY100SD	Loam
081	TaA	TILFORD SILT LOAM, 0 TO 2 PERCENT SLOPES	Tilford	85	G061XY100SD	Loam
081	TaB	TILFORD SILT LOAM, 2 TO 6 PERCENT SLOPES	Tilford	85	G061XY100SD	Loam
081	TaC	TILFORD SILT LOAM, 6 TO 9 PERCENT SLOPES	Tilford	85	G061XY100SD	Loam
081	VaA	VALE SILT LOAM, 0 TO 2 PERCENT SLOPES	Vale	85	G061XY100SD	Loam
081	VaB	VALE SILT LOAM, 2 TO 6 PERCENT SLOPES	Vale	85	G061XY100SD	Loam
081	VaC	VALE SILT LOAM, 6 TO 9 PERCENT SLOPES	Vale	85	G061XY100SD	Loam
081	WaA	WEBER LOAM, 0 TO 2 PERCENT SLOPES	Weber	90	G061XY120SD	Droughty Loam
081	Wb	WINETTI COBBLY LOAM	Winetti	90	G061XY000SD	Not suited
600	CbD	Canyon-Bridget loams, 6 to 20 percent slopes	Canyon	50	G061XY000SD	Not suited
600	CbD	Canyon-Bridget loams, 6 to 20 percent slopes	Bridget	30	G061XY100SD	Loam
600	CdE	Canyon-Butche association, steep	Canyon	50	G061XY000SD	Not suited

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600	CdE	Canyon-Butche association, steep	Butche	25	G061XY000SD	Not suited
600	NaD	Nevee-Spearfish complex, 6 to 15 percent slopes	Nevee	60	G061XY400SD	Limy Upland
600	NaD	Nevee-Spearfish complex, 6 to 15 percent slopes	Spearfish	25	G061XY000SD	Not suited
600	Or	Orthents, loamy	Orthents	100	G061XY000SD	Not suited
600	SIE	Spearfish-Rock outcrop complex, 15 to 40 percent slopes	Spearfish	55	G061XY000SD	Not suited
600	SIE	Spearfish-Rock outcrop complex, 15 to 40 percent slopes	Rock outcrop	20	G061XY000SD	Not suited
600	So	St. Onge loam	St. Onge	80	G061XY500SD	Overflow
600	TaA	Tilford silt loam, 0 to 2 percent slopes	Tilford	85	G061XY100SD	Loam
600	TaB	Tilford silt loam, 2 to 6 percent slopes	Tilford	85	G061XY100SD	Loam
604	BdA	Barnum very fine sandy loam, 0 to 3 percent slopes	Barnum	85	G061XY120SD	Droughty Loam
604	BeB	Barnum-Winetti complex, 0 to 6 percent slopes	Barnum	55	G061XY120SD	Droughty Loam
604	BeB	Barnum-Winetti complex, 0 to 6 percent slopes	Winetti	30	G061XY000SD	Not suited
604	BwE	Butche-Rock outcrop complex, 9 to 60 percent slopes	Butche	60	G061XY000SD	Not suited
604	BwE	Butche-Rock outcrop complex, 9 to 60 percent slopes	Rock outcrop	25	G061XY000SD	Not suited
604	CcE	Canyon-Bridget complex, 9 to 25 percent slopes	Canyon	55	G061XY000SD	Not suited
604	CcE	Canyon-Bridget complex, 9 to 25 percent slopes	Bridget	30	G061XY100SD	Loam
604	CdF	Canyon-Rock outcrop complex, 15 to 60 percent slopes	Canyon	60	G061XY000SD	Not suited
604	CdF	Canyon-Rock outcrop complex, 15 to 60 percent slopes	Rock outcrop	25	G061XY000SD	Not suited
604	CoA	Colombo loam, channeled, 0 to 4 percent slopes	Colombo	85	G061XY500SD	Overflow
604	CpA	Colombo-Urban land complex, 0 to 2 percent slopes	Colombo	70	G061XY100SD	Loam
604	CpA	Colombo-Urban land complex, 0 to 2 percent slopes	Urban land	15	G061XY000SD	Not suited
604	GbA	Glenberg fine sandy loam, 0 to 4 percent slopes	Glenberg	85	G061XY500SD	Overflow
604	GvD	Gypnevee-Rekop-Rock outcrop complex, 6 to 15 percent slopes	Gypnevee	45	G061XY100SD	Loam
604	GvD	Gypnevee-Rekop-Rock outcrop complex, 6 to 15 percent slopes	Rekop	25	G061XY000SD	Not suited
604	GvD	Gypnevee-Rekop-Rock outcrop complex, 6 to 15 percent slopes	Rock outcrop	15	G061XY000SD	Not suited
604	GyD	Gypnevee-Rock outcrop-Urban land complex, 9 to 25 percent slopes	Gypnevee	40	G061XY100SD	Loam
604	GyD	Gypnevee-Rock outcrop-Urban land complex, 9 to 25 percent slopes	Rock outcrop	25	G061XY000SD	Not suited
604	GyD	Gypnevee-Rock outcrop-Urban land complex, 9 to 25 percent slopes	Urban land	20	G061XY000SD	Not suited
604	HaA	Haverson loam, 0 to 2 percent slopes	Haverson	85	G061XY100SD	Loam
604	MnC	Metre-Norrest complex, 2 to 9 percent slopes	Metre	50	G061XY210SD	Clayey Subsoil
604	MnC	Metre-Norrest complex, 2 to 9 percent slopes	Norrest	35	G061XY210SD	Clayey Subsoil
604	NaC	Nevee channery loam, 6 to 15 percent slopes	Nevee	85	G061XY400SD	Limy Upland
604	NbC	Nevee silt loam, 2 to 9 percent slopes	Nevee	85	G061XY400SD	Limy Upland
604	NcE	Nevee-Gullied land complex, 6 to 40 percent slopes	Nevee	60	G061XY000SD	Not suited
604	NcE	Nevee-Gullied land complex, 6 to 40 percent slopes	Gullied land	35	G061XY000SD	Not suited
604	NfE	Nihill-Zigweid complex, 15 to 50 percent slopes	Nihill	50	G061XY000SD	Not suited
604	NfE	Nihill-Zigweid complex, 15 to 50 percent slopes	Zigweid	40	G061XY000SD	Not suited

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604	Pt	Pits, quarries	Rock outcrop	100	G061XY000SD	Not suited
604	RhD	Rock outcrop-Butche complex, 2 to 25 percent slopes	Rock outcrop	55	G061XY000SD	Not suited
604	RhD	Rock outcrop-Butche complex, 2 to 25 percent slopes	Butche	30	G061XY000SD	Not suited
604	RmG	Rock outcrop-Rekop complex, 40 to 80 percent slopes	Rock outcrop	45	G061XY000SD	Not suited
604	RmG	Rock outcrop-Rekop complex, 40 to 80 percent slopes	Rekop	40	G061XY000SD	Not suited
604	RrE	Rockoa-Lakoa-Rock outcrop complex, 10 to 40 percent slopes	Rockoa	40	G061XY000SD	Not suited
604	RrE	Rockoa-Lakoa-Rock outcrop complex, 10 to 40 percent slopes	Lakoa	30	G061XY000SD	Not suited
604	RrE	Rockoa-Lakoa-Rock outcrop complex, 10 to 40 percent slopes	Rock outcrop	15	G061XY000SD	Not suited
604	RtD	Rockoa-Satanta complex, 6 to 30 percent slopes	Rockoa	50	G061XY000SD	Not suited
604	RtD	Rockoa-Satanta complex, 6 to 30 percent slopes	Satanta	35	G061XY100SD	Loam
604	SeB	Satanta loam, 2 to 6 percent slopes	Satanta	90	G061XY100SD	Loam
604	ShD	Satanta-Canyon loams, 6 to 15 percent slopes	Satanta	60	G061XY100SD	Loam
604	ShD	Satanta-Canyon loams, 6 to 15 percent slopes	Canyon	25	G061XY000SD	Not suited
604	SxaE	Spearfish-Nevee silt loams, 9 to 30 percent slopes	Spearfish	45	G061XY000SD	Not suited
604	SxaE	Spearfish-Nevee silt loams, 9 to 30 percent slopes	Nevee	40	G061XY000SD	Not suited
604	SxbF	Spearfish-Rock outcrop complex, 25 to 60 percent slopes	Spearfish	50	G061XY000SD	Not suited
604	SxbF	Spearfish-Rock outcrop complex, 25 to 60 percent slopes	Rock outcrop	35	G061XY000SD	Not suited
604	TfA	Tilford silt loam, 0 to 2 percent slopes	Tilford	85	G061XY100SD	Loam
604	TfB	Tilford silt loam, 2 to 6 percent slopes	Tilford	85	G061XY100SD	Loam
604	TfC	Tilford silt loam, 6 to 15 percent slopes	Tilford	85	G061XY100SD	Loam
604	TpC	Tilford-Paunsaugunt complex, 6 to 9 percent slopes	Tilford	50	G061XY100SD	Loam
604	TpC	Tilford-Paunsaugunt complex, 6 to 9 percent slopes	Paunsaugunt	35	G061XY000SD	Not suited
604	TrB	Tilford-Urban land complex, 0 to 9 percent slopes	Tilford	55	G061XY100SD	Loam
604	TrB	Tilford-Urban land complex, 0 to 9 percent slopes	Urban land	30	G061XY000SD	Not suited
604	ZcC	Zigweid-Canyon complex, 2 to 15 percent slopes	Zigweid	60	G061XY400SD	Limy Upland
604	ZcC	Zigweid-Canyon complex, 2 to 15 percent slopes	Canyon	25	G061XY000SD	Not suited
604	ZnD	Zigweid-Nihill complex, 6 to 15 percent slopes	Zigweid	55	G061XY400SD	Limy Upland
604	ZnD	Zigweid-Nihill complex, 6 to 15 percent slopes	Nihill	35	G061XY000SD	Not suited