Soil Sensitivity Analysis

Sensitivity Scores, Ratings, Calculations and Criteria

Analysis provides the relative inherent susceptibility of Colville Indian Reservation soils to disturbance, surface runoff and erosion.
This final report includes updates and revisions to previous analysis in Appendix I of the 1997 CCT Phase 1 IRMP: Hydrology.

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Soil Sensitivity Analysis Parameters and Criteria

1. Hillslope Gradient (% slope)

Attribute*	Value	Rating Class
≤ 20	1	low
21 - 40	2	mod
≥ 41	3	high

*maximum slope of map unit

2. Depth to Restricting Layer [1]

Attribute	Value	Rating Class
VD, D	1	low
MD	2	mod
S, VS, R	3	high

3. Surface Material

Attribute	Value	Rating Class
<7" Ash, No Ash	1	low
7-14" Ash Mantle	2	mod
>14" Ash Mantle	3	high

4. Substratum Material & Texture [2]

See description below

5. Hydrologic Soil Group [3]

Attribute	Value	Rating Class
A,B	1	low
C	2	mod
D	3	high

6. Erosion Index [4]

Attribute	Value	Rating Class
0 - 7	1	low
8 - 19	2	mod
20 - 39	3	high
>40	4	extreme

[1] Refers to the potential soil rooting depth.

Soil depth classes: very deep (VD): > 60"; deep (D): 40" - 60"; moderately deep (MD): 20" - 40"; shallow (S): 10" - 20"; very shallow (VS): < 10"; rock outcrop (R): 0"

[2] This category keys out soils that have moderately to highly erodible sandy subsoils and substratums. Basically, a value of "2" or "3" was assigned to most soils formed from decomposed granitic rock and from glaciofluvial and outwash deposits on moderately steep to steep slopes. A "2" or "3" also was assigned to most soils on steeper slopes formed from glaciolacustrine deposits. A value of "1" was assigned to all other soils. A specific, detailed subsoil and substratum policy was developed by the CCT Hydrologist and BIA Soil Scientist in 1996 and is on file.

Soil textural classes:
silt loam (SiL)
loam (L)
sandy loam (SL)
loamy sand (LS)
sand (S)
silty clay loam (SiCL)
clay loam (CL)
sandy clay loam (SCL)
silty clay (SiC)
clay (C)
sandy clay (SC)

Sand size modifiers:
coarse (Co)
fine (F)
very fine (VF)

Rock fragment modifiers:
gravelly (Gr)
cobbly (Cb)
stony (St)
bouldery (Bd)
Adjectives "Very" and "Extremely" provide further definition.

[3] Groups are based on soil depth to restricting layer (r.l. = bedrock, duripan or dense glacial till) and estimates water infiltration rates and runoff potential.

Hydrologic groups:
A: Mainly deep, very deep to r.l. or to water table, well-drained to excessively drained sands or gravelly sands.
High infiltration rate, High water transmission rate, Low runoff potential.
B: Mainly deep, very deep to r.l. or water table, well-drained, moderately fine to mod. coarse textured AND mod. deep soils to densic till.
Moderate infiltration rate, Moderate water transmission rate.
C: Mainly moderately deep to bedrock, duripan or water table, moderately well-drained soils OR moderately fine to fine textured soils.
Slow infiltration rate, Slow water transmission rate.
D: Mainly shallow, very shallow to r.I. or to water table, somewhat poorly to very poorly drained soils OR soils having shrink-swell clays.
Very slow infiltration rate, Very slow water transmission rate, High runoff potential. *Group includes rock outcrop.*

[4] Soil Erosion Index: R K L S / T, where R= rainfall; K= K-factor; L=slope length; S= slope gradient; T= depth to bedrock; K-factor (erodability) based on textures, organic matter, soil structure, permeability; coarse-fragments lower this value. An erosion index of > 40 (value of "4") corresponds to soils that are shallow or very shallow to bedrock and / or have >14" ash cap and are on steep (>40%) slopes.
In some instances, deviations from the ratings summary table were necessary due to local soil conditions or characteristics and result from additional interpretation or information.
Specific information is on file with the CCT Hydrologist.

Soil Sensitivity Analysis Methodology and Policy Notes

This analysis determines the relative inherent susceptibility of soils on the Colville Indian Reservation to disturbance, surface runoff and erosion.
Inherent sensitivity scores are assigned to soil map units (soil types) that correspond with the numbered polygons shown on published soil survey maps.
(Soil Survey of Colville Indian Reservation, parts of Ferry and Okanogan Counties, correlation completed 1985, 1987, USDA NRCS; publication released 2002).

A score for a given soil map unit is the product of the six (6) soil parameter values that characterize the map unit. Soil parameters, attributes and corresponding values are described on the previous page.
A sensitivity rating class was assigned to each soil map unit score based on natural groupings or clustering of all the map unit scores.

A specific, detailed policy was developed by the CCT Hydrologist and BIA Soil Scientist in 1996 for soils that were mapped as complexes. These are soil map units that include more than one soil component and/or a significant amount of rock outcrop, e.g. The final value assigned to each parameter is the weighted average of component values.

All components of a soil complex, including rock outcrop, are considered for soil depth and hydrologic soil group value assignments, as all components influence surface runoff and basin storage capacity.
However, surface ash and substratum value assignments are based on soil textures and erosional properties, and only the soil component of the soil complex is considered in these instances.

The five recognized rating classes are listed in the following table:

Soil Sensitivity Rating Summary

Score Range	Rating Class
82 to 648	Extreme
25 to 81	High
10 to 24	Moderate
5 to 9	Low
1 to 4	Very Low

The following table of soil map unit scores is a revision of the original table in Appendix I of IRMP Phase I Hydrology Report (1997). Updates and corrections were made for this report, but changes to value assignments and to soil map unit sensitivity scores and ratings were minimized in respect of the thorough work completed in 1996 by the CCT Hydrologist and BIA Soil Scientist.
Their detailed policies, knowledge of Reservation soils, and in-depth understanding of the process by which this analysis was created is preserved in this final report.

Analysis methodology, scoring criteria and policies, and technical notes as well as copies of this report are available through the CCT Hydrologist and Soil Scientist.

Walt Hunner, CCT Hydrologist
December 30, 2003

Soil Sensitivity Scores and Ratings of Reservation Soil Map Units (Soil Types)*.

W. Hunner 12-30-03

Pub. No.	Soil Map Unit Name	Soil Parameters/Attributes							Value Assignments						Soil Map Unit Sensitivity	
		Slope_l (%)	Slope_h (%)	Depth Class	Surface Ash (")	Substrat. Texture	Hydrologic Soil Group	Erosion Index	Slope	Depth	Surf. Ash	Substrat. Texture	Hydr. Group	Eros. Indx	Score	Rating
W	WATER	na	na	na	na	na	na	na	9	9	9	9	9	9	0	Very Low
001	ACHIMIN SILT LOAM	0	8	VD	<7/No	SiL - SiC	C	9	1	1	1	1	2	2	4	Very Low
002	ACHIMIN-CALCIC PACHIC HAPLOXEROLLS COMPLEX	3	30	VD, D-VD	<7/No	SiL-SiC, SiCL-FSL	C,C	8	2	1	1	1	2	2	8	Low
003	AENEAS FINE SANDY LOAM	0	5	VD	<7/No	FSL - S	B	2	1	1	1	1	1	1	1	Very Low
004	AENEAS FINE SANDY LOAM	5	10	VD	<7/No	FSL - S	B	4	1	1	1	1	1	1	1	Very Low
005	AHTANUM SILT LOAM	0	3	MD	<7/No	SiL - VFSL	D	4	1	2	1	1	3	1	6	Low
006	AITS SILT LOAM, DRY	5	20	MD-VD	7 to 14	L - GrSL	B	15	1	1	2	1	1	2	4	Very Low
007	AITS SILT LOAM, DRY	20	40	MD-VD	7 to 14	L - GrSL	B	28	2	1	2	1	1	3	12	Moderate
008	AITS SILT LOAM, SANDY SUBSTRATUM	0	8	MD-VD	7 to 14	GrL - VGrS	B	6	1	1	2	1	1	1	2	Very Low
009	ANDERS SILT LOAM	0	8	MD	<7/No	SiL - StSL	C	9	1	2	1	1	2	2	8	Low
010	ANDIC CRYAQUEPTS	0	3	VD	Alluv.mix	L - XGrS	D	5	1	1	2	2	3	1	12	Moderate
011	ANNUM SILT LOAM	8	25	D	<7/No	CL - GrSL	B	15	2	1	1	1	1	2	4	Very Low
012	ANNUM SILT LOAM, NORTH SLOPES	8	25	D	<7/No	CL - GrSL	B	15	2	1	1	1	1	2	4	Very Low
013	ANNUM SILT LOAMS COMPLEX	8	25	D	<7/No	CL - GrSL	B	15	2	1	1	1	1	2	4	Very Low
014	APEX SILT LOAM	5	20	MD	7 to 14	SiL - StSL	B	14	1	2	2	1	1	2	8	Low
015	APEX SILT LOAM	20	40	MD	7 to 14	SiL - StSL	B	27	2	2	2	1	1	3	24	Moderate
016	APEX SILT LOAM	40	65	MD	7 to 14	SiL - StSL	B	33	3	2	2	1	1	3	36	High
017	APEX LOAM, DRY	5	20	MD	7 to 14	SiL - StSL	B	10	1	2	2	1	1	2	8	Low
018	APEX LOAM, DRY	20	40	MD	7 to 14	SiL - StSL	B	18	2	2	2	1	1	3	24	Moderate
019	APEX LOAM, DRY	40	65	MD	7 to 14	SiL - StSL	B	24	3	2	2	1	1	3	36	High
020	AQUIC XEROFLUVENTS, COOL	0	3	VD	<7/No	SiL - XGrCo.S	C	3	1	1	1	2	2	1	4	Very Low
021	AQUIC XEROFLUVENTS, MOIST	0	3	VD	<7/No	SiL - XGrCo.S	C	2	1	1	1	2	2	1	4	Very Low
022	AQUIC XEROFLUVENTS, WARM	0	3	VD	<7/No	SiL - XGrCo.S	C	2	1	1	1	2	2	1	4	Very Low
023	BADGE VERY STONY SILT LOAM	25	65	VD	<7/No	VGrSiL - VStCL	B	12	3	1	1	1	1	2	6	Low
024	BADGE-RUBBLE LAND COMPLEX	25	65	VD, VD	<7/No	VGrSiL - VStCL	B,A	12	3	1	1	1	1	2	6	Low
025	BADLAND	na	na	na	na	na	na	na	9	9	9	9	9	9	0	Very Low
026	BAKEOVEN VERY COBBLY SILT LOAM	2	25	VS	<7/No	VCbSiL - XCbL	D	10	2	3	1	1	3	2	36	High
027	BAKEOVEN-OLICAL COMPLEX	0	30	VS, D	<7/No	VCbSiL - XCbL, SiL - VCbSL	D,B	11	2	2	1	1	2	2	16	Moderate
028	BAKEOVEN-TIMENTWA-ROCK OUTCROP COMPLEX	0	30	VS, D, R	<7/No	VCbSiL - XCbL, GrL - CbSL	D,B,D	11	2	2	1	1	2	2	16	Moderate
029	BALDKNOB-THOUT, DRY-ROCK OUTCROP COMPLEX	5	20	S, MD, R	<7/No	VGrL - VCbL, VGrL - VCbSL	D,C,D	23	1	3	1	1	3	3	27	High
030	BALDKNOB-THOUT, DRY,-ROCK OUTCROP COMPLEX	20	65	S, MD, R	<7/No	VGrL - VCbL, VGrL - VCbSL	D,C,D	28	3	3	1	1	3	3	81	High
031	BARNELLCREEK SILT LOAM	5	15	D	>14	GrL - VCbSL	C	12	1	1	3	1	2	2	12	Moderate
032	BEARSPRING LOAM	20	40	VD	<7/No	GrL - VCbLCo.S	B	18	2	1	1	1	1	3	6	Low
033	BEARSPRING COBBLY LOAM	40	65	VD	<7/No	GrL - VCbLCo.S	B	17	3	1	1	1	1	3	9	Low
034	BERNHILL LOAM, DRY	0	5	VD	<7/No	SiL, CL - GrSL	B	4	1	1	1	1	1	1	1	Very Low

Soil Sensitivity Scores and Ratings of Reservation Soil Map Units (Soil Types)*.

W. Hunner 12-30-03

Pub. No.	Soil Map Unit Name	Soil Parameters/Attributes							Value Assignments						Soil Map Unit Sensitivity	
		Slope_l (%)	Slope_h (%)	Depth Class	Surface Ash (")	Substrat. Texture	Hydrologic Soil Group	Erosion Index	Slope	Depth	Surf. Ash	Substrat. Texture	Hydr. Group	Eros. Indx	Score	Rating
035	BERNHILL LOAM, DRY	5	20	VD	<7/No	SiL, CL - GrSL	B	9	1	1	1	1	1	2	2	Very Low
036	BEVERLY GRAVELLY LOAMY SAND	2	25	VD	<7/No	VGrS - VCbCo.S	A	2	2	1	1	2	1	1	4	Very Low
037	BISBEE LOAMY FINE SAND, WARM	0	20	VD	<7/No	LFS - FS	A	6	1	1	1	3	1	1	3	Very Low
038	BISBEE LOAMY FINE SAND, WARM	20	40	VD	<7/No	LFS - FS	A	14	2	1	1	3	1	2	12	Moderate
039	BOESEL FINE SANDY LOAM	0	3	VD	<7/No	FSL - VGrCo.S	C	5	1	1	1	2	2	1	4	Very Low
040	BONG SANDY LOAM	0	30	VD	<7/No	SL - VGrS	A	12	2	1	1	3	1	2	12	Moderate
041	BONG SANDY LOAM	30	70	VD	<7/No	SL - VGrS	A	27	3	1	1	3	1	3	27	High
042	BONG SANDY LOAM, COOL	0	8	VD	<7/No	SL - VGrS	A	6	1	1	1	3	1	1	3	Very Low
043	BORGEAU LOAM	8	30	VD	<7/No	VGrL - VCbSL	B	25	2	1	1	1	1	3	6	Low
044	BORGEAU LOAM	30	65	VD	<7/No	VGrL - VCbSL	B	40	3	1	1	1	1	4	12	Moderate
045	BORGEAU-ROCK OUTCROP COMPLEX	30	65	VD, R	<7/No	VGrL - VCbSL	B,D	40	3	2	1	1	2	4	48	High
046	BOROSAPRISTS	0	2	VD	<7/No	SiL - VGrCo.S	D	0	1	1	1	1	3	1	3	Very Low
047	BOSSBURG MUCK	0	2	VD	Alluv.mix	SIL - FSL	D	0	1	1	1	1	3	1	3	Very Low
048	BROADAX SILT LOAM, DRY	0	8	VD	<7/No	SiCL - SiL	B	3	1	1	1	1	1	1	1	Very Low
049	BROADAX SILT LOAM, DRY	8	15	VD	<7/No	SiCL - SiL	B	7	1	1	1	1	1	1	1	Very Low
050	BRUSHER SILT LOAM	20	40	VD	>14	CL - LCo.S	B	28	2	1	3	1	1	3	18	Moderate
051	BRUSHER SILT LOAM, MOIST	5	35	VD	>14	CL - LCo.S	B	21	2	1	3	1	1	3	18	Moderate
052	BRUSHER SILT LOAM, WARM	0	20	VD	>14	CL - LCo.S	B	14	1	1	3	1	1	2	6	Low
053	BRUSHER SILT LOAM, WARM	20	40	VD	>14	CL - LCo.S	B	28	2	1	3	1	1	3	18	Moderate
054	BUHRIG VERY STONY LOAM	20	40	MD	7 to 14	VGrL - XStSL	C	20	2	2	2	1	2	3	48	High
055	BUHRIG VERY STONY LOAM	40	65	MD	7 to 14	VGrL - XStSL	C	17	3	2	2	1	2	4	96	Extreme
056	BUHRIG SILT LOAM, SHALY SUBSTRATUM	30	65	MD	7 to 14	VGrL - XStSL	C	58	3	2	2	1	2	4	96	Extreme
057	BUHRIG-ROCK OUTCROP COMPLEX	20	40	MD, R	7 to 14	VGrL - XStSL	C,D	20	2	3	2	1	3	3	108	Extreme
058	BUHRIG-ROCK OUTCROP COMPLEX	40	65	MD, R	7 to 14	VGrL - XStSL	C,D	26	3	3	2	1	3	4	216	Extreme
059	CANTEEN SILT LOAM	20	40	D	7 to 14	GrL - GrLCo.S	B	37	2	1	2	3	1	4	48	High
060	CANTEEN SILT LOAM	40	65	D	7 to 14	GrL - GrLCo.S	B	45	3	1	2	3	1	4	72	High
061	CANTEEN SILT LOAM, COOL	20	40	D	7 to 14	GrL - GrLCo.S	B	37	2	1	2	3	1	4	48	High
062	CANTEEN SILT LOAM, COOL	40	65	D	7 to 14	GrL - GrLCo.S	B	45	3	1	2	3	1	4	72	High
063	CAPOOSE SILT LOAM	20	40	MD	>14	VGrL - XCbSL	C	47	2	2	3	1	2	4	96	Extreme
064	CAPOOSE SILT LOAM	40	65	MD	>14	VGrL - XCbSL	C	58	3	2	3	1	2	4	144	Extreme
065	CAPOOSE-ROCK OUTCROP COMPLEX	20	40	MD, R	>14	VGrL - XCbSL	C,D	47	2	3	3	1	3	4	216	Extreme
066	CAPOOSE-ROCK OUTCROP COMPLEX	40	65	MD, R	>14	VGrL - XCbSL	C,D	58	3	3	3	1	3	4	324	Extreme
067	CASHMERE FINE SANDY LOAM	0	5	VD	<7/No	VFSL - Co.SL	B	2	1	1	1	1	1	1	1	Very Low
068	CASHMERE FINE SANDY LOAM	5	10	VD	<7/No	VFSL - Co.SL	B	2	1	1	1	1	1	1	1	Very Low
069	CASHMERE FINE SANDY LOAM	10	25	VD	<7/No	VFSL - Co.SL	B	4	2	1	1	1	1	1	2	Very Low

Soil Sensitivity Scores and Ratings of Reservation Soil Map Units (Soil Types)*.

W. Hunner 12-30-03

Pub. No.	Soil Map Unit Name	Soil Parameters/Attributes							Value Assignments						Soil Map Unit Sensitivity	
		Slope_l (%)	Slope_h (%)	Depth Class	Surface Ash (")	Substrat. Texture	Hydrologic Soil Group	Erosion Index	Slope	Depth	Surf. Ash	Substrat. Texture	Hydr. Group	Eros. Indx	Score	Rating
070	CASHMERE FINE SANDY LOAM	25	50	VD	<7/No	VFSL - Co.SL	B	5	3	1	1	3	1	1	9	Low
071	CASHMONT GRAVELLY SANDY LOAM, FAN	3	15	VD	<7/No	GrFSL - GrS	B	2	1	1	1	2	1	1	2	Very Low
072	CASHMONT GRAVELLY SANDY LOAM, FAN	15	30	VD	<7/No	GrFSL - GrS	B	3	2	1	1	2	1	1	4	Very Low
073	CEDONIA SILT LOAM	0	5	VD	<7/No	SiCL - SiL	B	4	1	1	1	1	1	1	1	Very Low
074	CEDONIA SILT LOAM	5	15	VD	<7/No	SiCL - SiL	B	8	1	1	1	2	1	2	4	Very Low
075	CEDONIA SILT LOAM	15	30	VD	<7/No	SiCL - SiL	B	14	2	1	1	3	1	2	12	Moderate
076	CEDONIA SILT LOAM	30	65	VD	<7/No	SiCL - SiL	B	18	3	1	1	3	1	3	27	High
077	CENTRALPEAK LOAMS ASSOCIATION	5	20	MD	7 to 14	L - GrLCo.S	C	24	1	2	2	2	2	3	48	High
078	CENTRALPEAK LOAMS ASSOCIATION	20	40	MD	7 to 14	L - GrLCo.S	C	47	2	2	2	3	2	4	192	Extreme
079	CENTRALPEAK LOAMS ASSOCIATION	40	65	MD	7 to 14	L - GrLCo.S	C	58	3	2	2	3	2	4	288	Extreme
080	CENTRALPEAK LOAM, WARM	5	20	MD	7 to 14	L - GrLCo.S	C	23	1	2	2	2	2	3	48	High
081	CENTRALPEAK LOAM, WARM	20	40	MD	7 to 14	L - GrLCo.S	C	45	2	2	2	3	2	4	192	Extreme
082	CENTRALPEAK LOAM, WARM	40	65	MD	7 to 14	L - GrLCo.S	C	55	3	2	2	3	2	4	288	Extreme
083	CENTRALPEAK, WARM-BRUSHER, MOIST COMPLEX	5	30	MD, VD	7 to 14	L - GrLCo.S, L - GrCo.S	C,B	32	2	2	2	3	2	3	144	Extreme
084	CENTRALPEAK-ROCK OUTCROP ASSOCIATION	30	65	MD, R	7 to 14	L - GrLCo.S	C,D	56	3	3	2	3	3	4	648	Extreme
085	CHUMSTICK-ROCK OUTCROP COMPLEX	5	20	S, R	<7/No	VGrSL - XCbSL	D,D	23	1	3	1	1	3	3	27	High
086	CHUMSTICK-ROCK OUTCROP COMPLEX	20	65	S, R	<7/No	VGrSL - XCbSL	D,D	50	3	3	1	1	3	4	108	Extreme
087	CODYLAKE LOAM	5	20	D	>14	SL - GrCo.SL	B	17	1	1	3	2	1	2	12	Moderate
088	CODYLAKE LOAM	20	40	D	>14	SL - GrCo.SL	B	33	2	1	3	3	1	3	54	High
089	CODYLAKE LOAM	40	65	D	>14	SL - GrCo.SL	B	40	3	1	3	3	1	4	108	Extreme
090	COLOCKUM LOAM	8	15	VD	<7/No	SiCL - GrL	B	7	1	1	1	1	1	1	1	Very Low
091	COLOCKUM STONY LOAM	3	25	VD	<7/No	SiCL - GrL	B	4	2	1	1	1	1	1	2	Very Low
092	COLOCKUM BOULDERY LOAM	25	65	VD	<7/No	SiCL - GrL	B	9	3	1	1	1	1	2	6	Low
093	CONCONULLY FINE SANDY LOAM	8	15	MD	<7/No	FSL - GrCo.SL	B	9	1	2	1	1	1	2	4	Very Low
094	CONCONULLY FINE SANDY LOAM	15	30	MD	<7/No	FSL - GrCo.SL	B	14	2	2	1	1	1	2	8	Low
095	CONCONULLY STONY FINE SANDY LOAM	3	25	MD	<7/No	FSL - GrCo.SL	B	8	2	2	1	1	1	2	8	Low
096	CONCONULLY STONY FINE SANDY LOAM	25	65	MD	<7/No	FSL - GrCo.SL	B	12	3	2	1	1	1	2	12	Moderate
097	CONCONULLY STONY FINE SANDY LOAM, NORTH SLOPES	25	65	MD	<7/No	FSL - GrCo.SL	B	12	3	2	1	1	1	2	12	Moderate
098	CONCONULLY BOULDERY FINE SANDY LOAM	5	30	MD	<7/No	FSL - GrCo.SL	B	9	2	2	1	1	2	1	8	Low
099	CONCONULLY-BAKEOVEN COMPLEX	3	25	MD, VS	<7/No	FSL - GrCo.SL, VCbSiL - XCbL	B,D	8	2	3	1	1	2	2	24	Moderate
100	CONCONULLY-ROCK OUTCROP COMPLEX	5	30	MD, R	<7/No	FSL - GrCo.SL	B,D	7	2	3	1	1	2	2	24	Moderate
101	CONCONULLY-ROCK OUTCROP COMPLEX	30	65	MD, R	<7/No	FSL - GrCo.SL	B,D	12	3	3	1	1	2	2	36	High
102	CONCONULLY-SWAKANE-ROCK OUTCROP COMPLEX	3	30	MD, S, R	<7/No	FSL - GrCo.SL, VGrL - XGrSL	B,D,D	8	2	3	1	1	2	2	24	Moderate
103	COULEEDAM-ROCK OUTCROP COMPLEX	30	70	S, R	<7/No	VGrSL - VCbCo.SL	D,D	18	3	3	1	1	3	3	81	High
104	COXLAKE SILT LOAM	0	3	VD	<7/No	SiL - VGrS	D	2	1	1	1	1	3	1	3	Very Low

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W. Hunner 12-30-03

Pub. No.	Soil Map Unit Name	Soil Parameters/Attributes							Value Assignments						Soil Map Unit Sensitivity	
		Slope_l (%)	Slope_h (%)	Depth Class	Surface Ash (")	Substrat. Texture	Hydrologic Soil Group	Erosion Index	Slope	Depth	Surf. Ash	Substrat. Texture	Hydr. Group	Eros. Indx	Score	Rating
105	CRYOFLUVENTS	0	8	VD	Alluv.mix	VFSL - XGrCo.S	C	25	1	1	1	2	2	3	12	Moderate
106	CUBCREEK FINE SANDY LOAM,	0	3	VD	<7/No	FSL - GrLS	C	2	1	1	1	2	2	1	4	Very Low
107	CUMULIC HAPLOXEROLLS	3	10	VD	<7/No	L - VGrS	C	3	1	1	1	2	2	1	4	Very Low
108	DART LOAMY SAND, WARM	0	15	VD	<7/No	LS - Co.S	A	3	1	1	1	3	1	1	3	Very Low
109	DART LOAMY COARSE SAND, WARM	30	65	VD	<7/No	LS - Co.S	A	7	3	1	1	3	1	2	18	Moderate
110	DART, WARM-SPRINGDALE COMPLEX	5	30	VD, VD	<7/No	LS - Co.S, XCbCo.S	A,A	5	2	1	1	2	1	1	4	Very Low
111	DART, WARM-SPRINGDALE COMPLEX	30	65	VD, VD	<7/No	LS - Co.S, XCbCo.S	A,A	7	3	1	1	3	1	2	18	Moderate
112	DEHART GRAVELLY LOAM	8	30	VD	<7/No	VGrL - VCbSL	B	7	2	1	1	1	1	2	4	Very Low
113	DEHART GRAVELLY LOAM	30	65	VD	<7/No	VGrL - VCbSL	B	12	3	1	1	1	1	2	6	Low
114	DEHART-PHOEBE, DRY COMPLEX	30	65	VD, VD	<7/No	VGrL - VCbSL, FSL - S	B,B	12	3	1	1	2	1	2	12	Moderate
115	DEHART-ROCK OUTCROP COMPLEX	8	30	VD, R	<7/No	VGrL - VCbSL	B,D	7	2	2	1	1	2	2	16	Moderate
116	DEHART-ROCK OUTCROP COMPLEX	30	65	VD, R	<7/No	VGrL - VCbSL	B,D	12	3	2	1	1	2	2	24	Moderate
117	DINKELMAN LOAM	5	20	D	<7/No	GrL - VGrCo.SL	B	11	1	1	1	3	1	2	6	Low
118	DINKELMAN LOAM	20	40	D	<7/No	GrL - VGrCo.SL	B	21	2	1	1	3	1	3	18	Moderate
119	DINKELMAN GRAVELLY LOAM	40	65	D	<7/No	GrL - VGrCo.SL	B	21	3	1	1	3	1	3	27	High
120	DISAUTEL VERY FINE SANDY LOAM	0	8	MD	<7/No	SiL - VCbFSL	B	5	1	2	1	1	1	1	2	Very Low
121	DISAUTEL VERY FINE SANDY LOAM	8	15	MD	<7/No	SiL - VCbFSL	B	12	1	2	1	1	1	2	4	Very Low
122	DISAUTEL-NESPELEM COMPLEX	3	20	MD, MD	<7/No	SiL - VCbFSL, SiCL - SiL	B,C	12	1	2	1	1	2	2	8	Low
123	DISAUTEL-ROCK OUTCROP COMPLEX	3	30	MD, R	<7/No	SiL - VCbFSL	B,D	12	2	3	1	1	2	2	24	Moderate
124	DONAVAN SANDY LOAM, WARM	5	15	MD	<7/No	L - CbSL	B	11	1	2	1	1	1	2	4	Very Low
125	DONAVAN SANDY LOAM, WARM	15	30	MD	<7/No	L - CbSL	B	19	2	2	1	1	1	3	12	Moderate
126	DONAVAN BOULDERY SANDY LOAM, WARM	5	20	MD	<7/No	SL - StSL	B	11	1	2	1	1	1	2	4	Very Low
127	DONAVAN BOULDERY SANDY LOAM, WARM	20	40	MD	<7/No	SL - StSL	B	21	2	2	1	1	1	3	12	Moderate
128	DONAVAN LOAM, DRY	5	15	MD	<7/No	SiL - CbSL	B	11	1	2	1	1	1	2	4	Very Low
130	DONAVAN LOAM, DRY	30	65	MD	<7/No	SiL - CbSL	B	27	3	2	1	1	1	3	18	Moderate
129	DONAVAN LOAM, DRY	15	30	MD	<7/No	SiL - CbSL	B	19	2	2	1	1	1	3	12	Moderate
131	DONAVAN BOULDERY LOAM, DRY	5	20	MD	<7/No	L - CbSL	B	8	1	2	1	1	1	2	4	Very Low
132	DONAVAN BOULDERY LOAM, DRY	20	40	MD	<7/No	L - CbSL	B	17	2	2	1	1	1	2	8	Low
133	DONAVAN, DRY-GOLDLAKE COMPLEX	0	15	MD, D	<7/No	SiL - CbSL, SiL - VGrSL	B,C	11	1	2	1	1	2	2	8	Low
134	DONAVAN, DRY-NORTHSTAR COMPLEX	5	30	MD, MD	<7/No	SiL - CbSL, VGrL - XGrSL	B,C	16	2	2	1	1	2	2	16	Moderate
135	DONAVAN, WARM-ROCK OUTCROP COMPLEX	5	20	MD, R	<7/No	SL - StSL	B,D	11	1	3	1	1	2	2	12	Moderate
136	DONAVAN, DRY-ROCK OUTCROP COMPLEX	5	20	MD, R	<7/No	L - CbSL	B,D	8	1	3	1	1	2	2	12	Moderate
137	DONAVAN, DRY-ROCK OUTCROP COMPLEX	20	40	MD, R	<7/No	L - CbSL	B,D	17	2	3	1	1	2	2	24	Moderate
138	DONAVAN, WARM-ROCK OUTCROP COMPLEX	20	40	MD, R	<7/No	SL - StSL	B,D	21	2	3	1	1	2	2	24	Moderate
139	DULEYLAKE LOAM,	0	8	VD	<7/No	CL - SL	C	3	1	1	1	1	2	1	2	Very Low

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Pub. No.	Soil Map Unit Name	Soil Parameters/Attributes							Value Assignments						Soil Map Unit Sensitivity	
		Slope_l (%)	Slope_h (%)	Depth Class	Surface Ash (")	Substrat. Texture	Hydrologic Soil Group	Erosion Index	Slope	Depth	Surf. Ash	Substrat. Texture	Hydr. Group	Eros. Indx	Score	Rating
140	ELBOWLAKE SILT LOAM	5	20	MD	>14	VGrL - VCbSL	B	16	1	2	3	1	1	2	12	Moderate
141	ELBOWLAKE SILT LOAM	20	40	MD	>14	VGrL - VCbSL	B	32	2	2	3	1	1	3	36	High
142	ELBOWLAKE SILT LOAM	40	65	MD	>14	VGrL - VCbSL	B	39	3	2	3	1	1	4	72	High
143	ELBOWLAKE SILT LOAM, WARM	5	20	MD	>14	VGrL - VCbSL	B	16	1	2	3	1	1	2	12	Moderate
144	ELBOWLAKE SILT LOAM, WARM	20	40	MD	>14	VGrL - VCbSL	B	32	2	2	3	1	1	3	36	High
145	ELBOWLAKE SILT LOAM, WARM	40	65	MD	>14	VGrL - VCbSL	B	39	3	2	3	1	1	4	72	High
146	ELLISFORDE SILT LOAM	0	5	VD	<7/No	SiL - VFSL	B	2	1	1	1	1	1	1	1	Very Low
147	ELLISFORDE SILT LOAM	5	10	VD	<7/No	SiL - VFSL	B	4	1	1	1	2	1	1	2	Very Low
148	ELLISFORDE SILT LOAM	10	25	VD	<7/No	SiL - VFSL	B	6	2	1	1	3	1	2	12	Moderate
149	ELVEDERE SILT LOAM	15	30	VD	<7/No	SiCL - SiC	C	19	2	1	1	3	2	3	36	High
150	ELVEDERE STONY SILT LOAM	3	25	VD	<7/No	SiCL - SiC	C	13	2	1	1	3	2	2	24	Moderate
151	ELVEDERE STONY SILT LOAM	25	45	VD	<7/No	SiCL - SiC	C	22	3	1	1	3	2	3	54	High
152	ELVEDERE-LEAHY SILT LOAMS COMPLEX	0	15	VD, VD	<7/No	SiCL - SiC, SiCL - SiC	C,C	9	1	1	1	2	2	2	8	Low
153	EMDENT SILT LOAM,	0	3	VD	Alluv.mix	SiL - VFSL	D	2	1	1	3	1	3	1	9	Low
154	EMDENT SILT LOAM, WET	0	2	VD	Alluv.mix	SiL - L	D	1	1	1	3	1	3	1	9	Low
155	EWALL COARSE SAND	0	10	VD	<7/No	Co.S	A	1	1	1	1	2	1	1	2	Very Low
156	EWALL COARSE SAND	10	25	VD	<7/No	Co.S	A	3	2	1	1	2	1	1	4	Very Low
157	EWALL LOAMY FINE SAND	0	10	VD	<7/No	LFS - GrS	A	3	1	1	1	2	1	1	2	Very Low
158	EWALL LOAMY FINE SAND	10	25	VD	<7/No	LFS - GrS	A	6	2	1	1	2	1	1	4	Very Low
159	EWALL GRAVELLY LOAMY SAND	30	60	VD	<7/No	GrLS - S	A	4	3	1	1	3	1	1	9	Low
160	FARRELL FINE SANDY LOAM	0	5	VD	<7/No	VFSL - SL	B	2	1	1	1	1	1	1	1	Very Low
161	FARRELL FINE SANDY LOAM	5	10	VD	<7/No	VFSL - SL	B	2	1	1	1	1	1	1	1	Very Low
162	FARRELL FINE SANDY LOAM	10	25	VD	<7/No	VFSL - SL	B	4	2	1	1	1	1	1	2	Very Low
163	FARRELL VERY BOULDERY FINE SANDY LOAM	0	20	VD	<7/No	FSL - SL	B	2	1	1	1	1	1	1	1	Very Low
164	FIVELAKES EXTREMELY BOULDERY SANDY LOAM	30	50	VD	<7/No	VStL - XCbCo.S	B	8	3	1	1	2	1	2	12	Moderate
165	FIVELAKES FINE SANDY LOAM, MOIST	0	5	VD	<7/No	VGrSL - XGrCo.S	C	4	1	1	1	1	2	1	2	Very Low
166	FIVELAKES STONY LOAM	0	25	VD	<7/No	CbL - XCbCo.S	B	7	2	1	1	1	1	1	2	Very Low
167	FIVELAKES STONY LOAM	30	65	VD	<7/No	CbL - XCbCo.S	B	14	3	1	1	2	1	2	12	Moderate
168	FIVELAKES EXTREMELY BOULDERY LOAM	0	30	VD	<7/No	VStL - XCbCo.S	B	5	2	1	1	1	1	1	2	Very Low
169	FRIEDLANDER SILT LOAM	0	20	VD	7 to 14	C - L	C	20	1	1	2	1	2	3	12	Moderate
170	FRIEDLANDER SILT LOAM	20	40	VD	7 to 14	C - L	C	42	2	1	2	1	2	4	32	High
171	FRIEDLANDER SILT LOAM, DRY	0	20	VD	7 to 14	C - L	C	20	1	1	2	1	2	3	12	Moderate
172	GARRISON LOAM	0	5	VD	<7/No	GrL - XGrCo.S	B	7	1	1	1	1	1	1	1	Very Low
173	GARRISON LOAM	5	15	VD	<7/No	GrL - XGrCo.S	B	15	1	1	1	1	1	2	2	Very Low
174	GARRISON GRAVELLY LOAM	15	30	VD	<7/No	GrL - XGrCo.S	B	15	2	1	1	1	1	2	4	Very Low

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		Slope_l (%)	Slope_h (%)	Depth Class	Surface Ash (")	Substrat. Texture	Hydrologic Soil Group	Erosion Index	Slope	Depth	Surf. Ash	Substrat. Texture	Hydr. Group	Eros. Indx	Score	Rating
175	GEORGECREEK SILT LOAM	5	20	D	<7/No	CL - SL	B	13	1	1	1	1	1	2	2	Very Low
176	GEORGECREEK SILT LOAM	20	40	D	<7/No	CL - SL	B	26	2	1	1	1	1	3	6	Low
177	GEORGECREEK SILT LOAM, WARM	5	20	D	<7/No	CL - GrL	B	13	1	1	1	1	1	2	2	Very Low
178	GEORGECREEK SILT LOAM, WARM	20	40	D	<7/No	CL - GrL	B	24	2	1	1	1	1	3	6	Low
179	GINNIS STONY SANDY LOAM	30	65	MD	<7/No	SL - GrCo.SL	C	16	3	2	1	2	2	2	48	High
180	GINNIS LOAM	15	35	MD	<7/No	L - GrCo.SL	C	17	2	2	1	2	2	2	32	High
181	GINNIS LOAM, NORTH SLOPES	15	35	MD	<7/No	L - SL	C	17	2	2	1	2	2	2	32	High
182	GINNIS LOAMS COMPLEX	15	35	MD	<7/No	L - Gr.Co.SL, L - SL	C	17	2	2	1	2	2	2	32	High
183	GINNIS COBBLY LOAMS COMPLEX	15	35	MD	<7/No	L - CbSL, L - CbSL	C	14	2	2	1	2	2	2	32	High
184	GINNIS-CONCONULLY COMPLEX	5	30	MD, MD	<7/No	L - GrCo.SL , FSL - GrCo.SL	C,B	16	2	2	1	1	2	2	16	Moderate
185	GINNIS-CONCONULLY COMPLEX	30	65	MD, MD	<7/No	L - GrCo.SL , FSL - GrCo.SL	C,B	26	3	2	1	1	2	3	36	High
186	GINNIS-ROCK OUTCROP COMPLEX	30	65	MD, R	<7/No	SL - GrCo.SL	C,D	16	3	3	1	2	3	3	162	Extreme
187	GLENROSE SILT LOAM	8	15	VD	<7/No	SiL - GrL	B	8	1	1	1	1	1	2	2	Very Low
188	GLENROSE SILT LOAM	15	30	VD	<7/No	SiL - GrL	B	13	2	1	1	1	1	2	4	Very Low
189	GODDARD SILT LOAM	0	20	VD	7 to 14	GrSL - VGrCo.S	B	19	1	1	2	1	1	3	6	Low
190	GODDARD SILT LOAM	20	40	VD	7 to 14	GrSL - VGrCo.S	B	42	2	1	2	1	1	4	16	Moderate
191	GODDARD SILT LOAM	40	65	VD	7 to 14	GrSL - VGrCo.S	B	48	3	1	2	2	1	4	48	High
192	GOLDLAKE SILT LOAM,	0	8	D	<7/No	SiL - VGrCo.SL	C	7	1	1	1	1	2	1	2	Very Low
193	GOOSEFLATS FINE SANDY LOAMS COMPLEX	0	2	D, VD	<7/No	LFS - FS	D,D	1	1	1	1	2	3	1	6	Low
194	GROWDEN CHANNERY SILT LOAM	20	50	VD	7 to 14	VGrSiL - XCbSL	B	16	3	1	2	1	1	2	12	Moderate
195	HADENCREEK SILT LOAM	0	8	VD	<7/No	SiCL - VFSC	C	4	1	1	1	2	2	1	4	Very Low
196	HALEY FINE SANDY LOAM	0	5	VD	<7/No	FSL - Co.S	B	4	1	1	1	1	1	1	1	Very Low
197	HALEY FINE SANDY LOAM	5	10	VD	<7/No	FSL - Co.S	B	8	1	1	1	1	1	2	2	Very Low
198	HALEY FINE SANDY LOAM	10	25	VD	<7/No	FSL - Co.S	B	14	2	1	1	1	1	2	4	Very Low
199	HALLCREEK LOAM	0	10	VD	7 to 14	GrSL - XCbCo.S	A	20	1	1	2	1	1	3	6	Low
200	HAPLOXEROLLS	30	70	VD	<7/No	GrLS - VGrS	B	30	3	1	1	2	1	3	18	Moderate
201	HARTILL SILT LOAM, DRY	20	40	MD	7 to 14	VGrL - XCbSL	C	36	2	2	2	1	2	3	48	High
202	HARTILL SILT LOAM, DRY	40	65	MD	7 to 14	VGrL - XCbSL	C	44	3	2	2	1	2	4	96	Extreme
203	HELLGATE GRAVELLY COARSE SANDY LOAM	3	20	VD	<7/No	SL - VGrCo.S	B	6	1	1	1	3	1	1	3	Very Low
204	HELLGATE GRAVELLY LOAM, COOL	3	15	VD	<7/No	SL - VGrCo.S	B	6	1	1	1	3	1	1	3	Very Low
205	HENNEWAY SILT LOAM	0	20	D	7 to 14	SiCL - GrL	B	16	1	1	2	1	1	2	4	Very Low
206	HENNEWAY SILT LOAM	20	40	D	7 to 14	SiCL - GrL	B	32	2	1	2	1	1	3	12	Moderate
207	HENNEWAY SILT LOAM, WARM	20	40	D	7 to 14	SiCL - GrL	B	32	2	1	2	1	1	3	12	Moderate
208	HEYTOU-STUBBLEFIELD STONY LOAMS COMPLEX	25	65	MD, MD	<7/No	GrL - VCbSL, GRL - VCbSL	B,C	7	3	2	1	1	2	2	24	Moderate
209	HISTOSOLS, PONDED	0	1	VD	<7/No	CL - VGrS	D	0	1	1	1	1	3	1	3	Very Low

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		Slope_l (%)	Slope_h (%)	Depth Class	Surface Ash (")	Substrat. Texture	Hydrologic Soil Group	Erosion Index	Slope	Depth	Surf. Ash	Substrat. Texture	Hydr. Group	Eros. Indx	Score	Rating
210	HOBOHILL SANDY LOAM	40	70	VD	<7/No	SL - VGrCo.S	A	17	3	1	1	3	1	3	27	High
211	HOBOHILL STONY SANDY LOAM	3	25	VD	<7/No	SL - GRLCo.S	A	8	2	1	1	2	1	2	8	Low
212	HODGSON SILT LOAM	0	5	VD	<7/No	SiC - SiL	C	4	1	1	1	1	2	1	2	Very Low
213	HODGSON SILT LOAM	5	15	VD	<7/No	SiC - SiL	C	7	1	1	1	2	2	2	8	Low
214	HODGSON SILT LOAM	15	30	VD	<7/No	SiC - SiL	C	13	2	1	1	3	2	2	24	Moderate
215	HODGSON SILT LOAM	30	50	VD	<7/No	SiC - SiL	C	17	3	1	1	3	2	3	54	High
216	HUDNUT GRAVELLY SANDY LOAM	0	20	VD	<7/No	GrSL - VCbLS	B	6	1	1	1	1	1	1	1	Very Low
217	HUDNUT GRAVELLY SANDY LOAM	20	40	VD	<7/No	GrSL - VCbLS	B	11	2	1	1	1	1	2	4	Very Low
218	HUNTERS SILT LOAM	0	5	VD	<7/No	SiL	B	4	1	1	1	1	1	1	1	Very Low
219	HUNTERS SILT LOAM, WARM	30	65	VD	<7/No	SiL	B	21	3	1	1	3	1	3	27	High
220	INCHELIUM SILT LOAM	0	5	VD	<7/No	SiCL - VFSL	C	4	1	1	1	1	2	1	2	Very Low
221	INCHELIUM SILT LOAM	5	10	VD	<7/No	SiCL - VFSL	C	6	1	1	1	2	2	1	4	Very Low
222	INKLER GRAVELLY SILT LOAM, DRY	5	20	VD	7 to 14	GrL - XGrSL	B	12	1	1	2	1	1	2	4	Very Low
223	INKLER GRAVELLY SILT LOAM, DRY	20	40	VD	7 to 14	GrL - XGrSL	B	24	2	1	2	1	1	3	12	Moderate
224	INKLER GRAVELLY SILT LOAM, DRY	40	65	VD	7 to 14	GrL - XGrSL	B	30	3	1	2	1	1	3	18	Moderate
225	INKLER, DRY-BALDKNOB-ROCK OUTCROP COMPLEX	5	30	VD, S, R	7 to 14	GrL - XGrSL, VGrL - XGrL	B,D,D	18	2	2	2	1	2	3	48	High
226	INKLER, DRY-BALDKNOB-ROCK OUTCROP COMPLEX	30	65	VD, S, R	7 to 14	GrL - XGrSL, VGrL - XGrL	B,D,D	29	3	2	2	1	2	3	72	High
227	INKLER, DRY-ROCK OUTCROP COMPLEX	20	40	VD, R	7 to 14	GrL - XGrSL	B,D	24	2	2	2	1	2	3	48	High
228	INKLER, DRY-ROCK OUTCROP COMPLEX	40	65	VD, R	7 to 14	GrL - XGrSL	B,D	30	3	2	2	1	2	3	72	High
229	JIMCREEK SILT LOAM	0	5	VD	<7/No	SiC - SiL	C	4	1	1	1	1	2	1	2	Very Low
230	JOHNTOM-ROCK OUTCROP-RUBBLE LAND COMPLEX	30	65	S, R, VD	<7/No	VGrL - XGrCo.SL	D,D,A	50	3	3	1	1	3	4	108	Extreme
231	KARAMIN FINE SANDY LOAM	0	20	VD	<7/No	L, FSL - S	A	20	1	1	1	3	1	3	9	Low
232	KARAMIN FINE SANDY LOAM	20	40	VD	<7/No	L, FSL - S	A	41	2	1	1	3	1	4	24	Moderate
233	KARAMIN FINE SANDY LOAM	40	65	VD	<7/No	L, FSL - S	A	50	3	1	1	3	1	4	36	High
234	KARTAR SANDY LOAM, WARM	0	10	VD	<7/No	FSL, SL - GrCo.S	B	5	1	1	1	1	1	1	1	Very Low
235	KELLERBUTTE SILT LOAM	20	40	VD	>14	GrSL - VGrCo.SL	B	37	2	1	3	1	1	4	24	Moderate
236	KELLERBUTTE SILT LOAM	40	65	VD	>14	GrSL - VGrCo.SL	B	45	3	1	3	2	1	4	72	High
237	KENOTRAIL SILT LOAM	20	40	MD	<7/No	GrSiCL - GrL	C	47	2	2	1	1	2	4	32	High
238	KEWACH SILT LOAM	0	5	VD	<7/No	SiC - SiL	C	4	1	1	1	1	2	1	2	Very Low
239	KEWACH SILT LOAM	5	15	VD	<7/No	SiC - SiL	C	9	1	1	1	2	2	2	8	Low
240	KEWACH SILT LOAM	15	30	VD	<7/No	SiC - SiL	C	15	2	1	1	3	2	2	24	Moderate
241	KEWACH SILT LOAM	30	50	VD	<7/No	SiC - SiL	C	18	3	1	1	3	2	3	54	High
242	KIEHL SILT LOAM	0	8	VD	7 to 14	GrSL - XGrCo.S	B	10	1	1	2	1	1	2	4	Very Low
243	KIEHL SILT LOAM	20	40	VD	7 to 14	GrSL - XGrCo.S	B	41	2	1	2	1	1	4	16	Moderate
244	KIEHL SILT LOAM	40	65	VD	7 to 14	GrSL - XGrCo.S	B	50	3	1	2	2	1	4	48	High

Soil Sensitivity Scores and Ratings of Reservation Soil Map Units (Soil Types)*.

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Pub. No.	Soil Map Unit Name	Soil Parameters/Attributes							Value Assignments						Soil Map Unit Sensitivity	
		Slope_l (%)	Slope_h (%)	Depth Class	Surface Ash (")	Substrat. Texture	Hydrologic Soil Group	Erosion Index	Slope	Depth	Surf. Ash	Substrat. Texture	Hydr. Group	Eros. Indx	Score	Rating
245	KIEHL SILT LOAM, COOL	0	8	VD	7 to 14	GrLCo.S - XGrCo.S	B	10	1	1	2	1	1	2	4	Very Low
246	KIEHL SILT LOAM, COOL	20	40	VD	7 to 14	GrLCo.S - XGrCo.S	B	41	2	1	2	1	1	4	16	Moderate
247	KIEHL SILT LOAM, COOL	40	65	VD	7 to 14	GrLCo.S - XGrCo.S	B	50	3	1	2	2	1	4	48	High
248	KOEPKE LOAM	15	30	D	>14	GrL - VCbSL	B	17	2	1	3	1	1	3	18	Moderate
249	LAKESOL SILT LOAM, NORTH SLOPES	30	65	VD	<7/No	SiL	B	18	3	1	1	3	1	3	27	High
250	LITHIC XERORTHENTS-BALDKNOB-ROCK OUTCROP COMPLEX	8	40	VS, S, R	<7/No	VGrL - VCbL, VGrL - VCbL	D,D,D	34	2	3	1	1	3	3	54	High
251	LITHIC XERORTHENTS-BALDKNOB-ROCK OUTCROP COMPLEX	40	70	VS, S, R	<7/No	VGrL - VCbL, VGrL - VCbL	D,D,D	53	3	3	1	1	3	4	108	Extreme
252	LOGY VERY STONY SANDY LOAM	3	25	VD	<7/No	VGrSL - XGrS	B	4	2	1	1	2	1	1	4	Very Low
253	LOONY LOAM	0	15	MD	>14	L - CbSL	C	20	1	2	3	1	2	3	36	High
254	LOSTCREEK LOAM	3	15	VD	<7/No	L - GrSL	C	7	1	1	1	2	2	1	4	Very Low
255	LOUIECREEK GRAVELLY LOAM	3	20	VD	<7/No	GrL - XCbSL	B	6	1	1	1	1	1	1	1	Very Low
256	LOUPLOUP SILT LOAM	0	20	D	>14	FSL - VGrLS	B	15	1	1	3	1	1	2	6	Low
257	LOUPLOUP SILT LOAM	20	40	D	>14	FSL - VGrLS	B	30	2	1	3	1	1	3	18	Moderate
258	LYNXCREEK SILT LOAM	20	40	VD	7 to 14	SiCL - L	B	23	2	1	2	3	1	3	36	High
259	MALOTT VERY FINE SANDY LOAM	0	5	D	<7/No	L - GrSL	B	2	1	1	1	1	1	1	1	Very Low
260	MALOTT VERY FINE SANDY LOAM	5	10	D	<7/No	L - GrSL	B	5	1	1	1	1	1	1	1	Very Low
261	MALOTT VERY FINE SANDY LOAM	10	25	D	<7/No	L - GrSL	B	9	2	1	1	1	1	2	4	Very Low
262	MALOTT STONY VERY FINE SANDY LOAM	3	25	D	<7/No	FSL - VCbSL	B	6	2	1	1	1	1	1	2	Very Low
263	MALOTT STONY VERY FINE SANDY LOAM	25	65	D	<7/No	FSL - VCbSL	B	11	3	1	1	1	1	2	6	Low
264	MALOTT-ROCK OUTCROP COMPLEX	3	25	D, R	<7/No	FSL - VCbSL	B,D	6	2	2	1	1	2	2	16	Moderate
265	MALOTT-ROCK OUTCROP COMPLEX	25	65	D, R	<7/No	FSL - VCbSL	B,D	11	3	2	1	1	2	2	24	Moderate
266	MALOTT-TORRIORTHENTS COMPLEX	25	70	D, VD	<7/No	FSL - VCbSL, GrL - VCbSL	B,B	25	3	1	1	1	1	3	9	Low
267	MANLEY SILT LOAM, DRY	5	20	MD	>14	GrSL - VCbLCo.S	B	15	1	2	3	1	1	2	12	Moderate
268	MANLEY SILT LOAM, DRY	20	40	MD	>14	GrSL - VCbLCo.S	B	28	2	2	3	1	1	3	36	High
269	MANLEY SILT LOAM, DRY	40	65	MD	>14	GrSL - VCbLCo.S	B	35	3	2	3	1	1	4	72	High
270	MANLEY, DRY-CODYLAKE COMPLEX	20	40	MD, D	>14	GrSL - VCbLCo.S, GrL - GrCo.SL	B,B	28	2	2	3	1	1	3	36	High
271	MANLEY, DRY-ROCK OUTCROP COMPLEX	20	40	MD, R	>14	GrSL - VCbLCo.S	B,D	28	2	3	3	1	2	3	108	Extreme
272	MANLEY, DRY-ROCK OUTCROP COMPLEX	40	65	MD, R	>14	GrSL - VCbLCo.S	B,D	35	3	3	3	1	2	4	216	Extreme
273	MARTELLA SILT LOAM,	0	8	VD	7 to 14	SiCL - VFSL	C	5	1	1	2	2	2	1	8	Low
274	MARTELLA SILT LOAM, DRY	0	8	VD	7 to 14	SiCL - VFSL	C	5	1	1	2	2	2	1	8	Low
275	MARTELLA SILT LOAM, DRY	8	30	VD	7 to 14	SiCL - VFSL	C	14	2	1	2	3	2	2	48	High
276	MEDISAPRISTS	0	2	VD	<7/No	muck	D	0	1	1	1	1	3	1	3	Very Low
277	MERKEL SANDY LOAM	5	20	MD	7 to 14	SL - VCbLCo.S	B	10	1	2	2	1	1	2	8	Low
278	MERKEL SANDY LOAM	20	40	MD	7 to 14	SL - VCbLCo.S	B	21	2	2	2	1	1	3	24	Moderate
279	MERKEL SANDY LOAM	40	65	MD	7 to 14	SL - VCbLCo.S	B	25	3	2	2	1	1	3	36	High

Soil Sensitivity Scores and Ratings of Reservation Soil Map Units (Soil Types)*.

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Pub. No.	Soil Map Unit Name	Soil Parameters/Attributes							Value Assignments						Soil Map Unit Sensitivity	
		Slope_l (%)	Slope_h (%)	Depth Class	Surface Ash (")	Substrat. Texture	Hydrologic Soil Group	Erosion Index	Slope	Depth	Surf. Ash	Substrat. Texture	Hydr. Group	Eros. Indx	Score	Rating
280	MERKEL BOULDERY FINE SANDY LOAM	5	20	MD	7 to 14	GrFSL - VCbCo.SL	B	9	1	2	2	1	1	2	8	Low
281	MERKEL BOULDERY FINE SANDY LOAM	20	40	MD	7 to 14	GrFSL - VCbCo.SL	B	17	2	2	2	1	1	2	16	Moderate
282	MINERAL STONY LOAM	20	40	MD	<7/No	VGrL - VStSL	C	19	2	2	1	1	2	3	24	Moderate
283	MINERAL STONY LOAM	40	65	MD	<7/No	VGrL - VStSL	C	24	3	2	1	1	2	3	36	High
284	MINERAL-ROCK OUTCROP COMPLEX	5	20	MD, R	<7/No	VGrL - VStSL	C,D	10	1	3	1	1	3	2	18	Moderate
285	MINERAL-ROCK OUTCROP COMPLEX	20	40	MD, R	<7/No	VGrL - VStSL	C,D	19	2	3	1	1	3	3	54	High
286	MINERAL-ROCK OUTCROP COMPLEX	40	65	MD, R	<7/No	VGrL - VStSL	C,D	22	3	3	1	1	3	3	81	High
287	MINERAL-ROCK OUTCROP COMPLEX	40	65	MD, R	<7/No	VGrL - VCbCo.SL	C,D	22	3	3	2	1	3	3	162	Extreme
288	MITCHELLPOINT SILT LOAM	0	5	VD	>14	SiL - VCbCo.S	B	10	1	1	3	1	1	2	6	Low
289	MONSE SILT LOAM	0	8	VD	<7/No	SiCL - SiL	C	2	1	1	1	2	2	1	4	Very Low
290	MORICAL SILT LOAM	8	30	MD	<7/No	SiL - GrL	C	19	2	2	1	1	2	3	24	Moderate
291	MORICAL SILT LOAM	30	45	MD	<7/No	SiL - GrL	C	30	3	2	1	1	2	3	36	High
292	MORICAL SILT LOAM, NORTH SLOPES	8	30	MD	<7/No	SiL - GrL	C	19	2	2	1	1	2	3	24	Moderate
293	MOSCOW SILT LOAM, DRY	20	40	MD	7 to 14	GrL - GrCo.SL	C	47	2	2	2	3	2	4	192	Extreme
294	MOSCOW SILT LOAM, DRY	40	65	MD	7 to 14	GrL - GrCo.SL	C	58	3	2	2	3	2	4	288	Extreme
295	MOSES SILT LOAM	0	30	MD	7 to 14	GrSL - VCbCo.SL	C	27	2	2	2	3	2	3	144	Extreme
296	MOSES SILT LOAM	30	65	MD	7 to 14	GrSL - VCbCo.SL	C	50	3	2	2	3	2	4	288	Extreme
297	MOSES EXTREMELY BOULDERY SILT LOAM	30	65	MD	7 to 14	GrCo.SL - VCbLCo.S	C	31	3	2	2	3	2	3	216	Extreme
298	MOSES EXTREMELY BOULDERY SILT LOAM, COLD	5	70	MD	7 to 14	GrCo.SL - VCbLCo.S	C	23	3	2	2	3	2	3	216	Extreme
299	NARCISSE SILT LOAM,	0	3	VD	<7/No	SiL - GrLCo.S	B	3	1	1	1	1	2	1	2	Very Low
300	NARCISSE SILT LOAM, DRY	0	3	VD	<7/No	SiL - GrLCo.S	B	2	1	1	1	1	2	1	2	Very Low
301	NESPELEM SILT LOAM	0	5	MD	<7/No	SiCL - VFSL	C	4	1	2	1	1	2	1	4	Very Low
302	NESPELEM SILT LOAMS COMPLEX	5	30	MD	<7/No	SiCL - VFSL	C	16	2	2	1	3	2	3	72	High
303	NESPELEM-EMDENT SILT LOAMS COMPLEX	0	15	MD, VD	<7/No	SiCL - VFSL, SiL - VFSL	C,D	9	1	2	1	2	3	2	24	Moderate
304	NESPELEM-TYPIC XERORTHENTS, ERODED COMPLEX	5	20	MD, VD	<7/No	SiCL - VFSL, SiL	C,B	11	1	2	1	3	2	2	24	Moderate
305	NEUSKE SILT LOAM	0	20	D	<7/No	SiL - GrSCL, StSL	B	14	1	1	1	1	1	2	2	Very Low
306	NEUSKE SILT LOAM	20	40	D	<7/No	SiL - GrSCL, StSL	B	28	2	1	1	1	1	3	6	Low
307	NEVINE SILT LOAMS ASSOCIATION	5	20	MD	>14	GrL - VGrLCo.S	B	23	1	2	3	1	1	3	18	Moderate
308	NEVINE SILT LOAMS ASSOCIATION	20	40	MD	>14	GrL - VGrLCo.S	B	45	2	2	3	1	1	4	48	High
309	NEVINE SILT LOAMS ASSOCIATION	40	65	MD	>14	GrL - VGrLCo.S	B	58	3	2	3	1	1	4	72	High
310	NEVINE-ROCK OUTCROP ASSOCIATION	20	40	MD, R	>14	GrL - VGrLCo.S	B,D	45	2	3	3	1	2	4	144	Extreme
311	NEVINE-ROCK OUTCROP ASSOCIATION	40	65	MD, R	>14	GrL - VGrLCo.S	B,D	55	3	3	3	1	2	4	216	Extreme
312	NEWBELL SILT LOAM, DRY	5	20	MD	>14	VGrL - XGrSL	B	12	1	2	3	1	1	2	12	Moderate
313	NEWBELL SILT LOAM, DRY	20	40	MD	>14	VGrL - XGrSL	B	25	2	2	3	1	1	3	36	High
314	NEWBELL SILT LOAM, DRY	40	65	MD	>14	VGrL - XGrSL	B	30	3	2	3	1	1	3	54	High

Soil Sensitivity Scores and Ratings of Reservation Soil Map Units (Soil Types)*.

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Pub. No.	Soil Map Unit Name	Soil Parameters/Attributes							Value Assignments						Soil Map Unit Sensitivity	
		Slope_l (%)	Slope_h (%)	Depth Class	Surface Ash (")	Substrat. Texture	Hydrologic Soil Group	Erosion Index	Slope	Depth	Surf. Ash	Substrat. Texture	Hydr. Group	Eros. Indx	Score	Rating
315	NORTHSTAR GRAVELLY LOAM, DRY	5	30	MD	<7/No	VGrL - XGrL	C	17	2	2	1	1	2	2	16	Moderate
316	NORTHSTAR GRAVELLY LOAM, DRY	30	65	MD	<7/No	VGrL - XGrL	C	25	3	2	1	1	2	3	36	High
317	NORTHSTAR-JOHNTOM-ROCK OUTCROP COMPLEX	8	30	MD, S, R	<7/No	VGrL - XGrSL, VGrL - XGrCo.SL	C,D,D	16	2	3	1	1	3	2	36	High
318	NORTHSTAR-JOHNTOM-ROCK OUTCROP COMPLEX	30	65	MD, S, R	<7/No	VGrL - XGrSL, VGrL - XGrCo.SL	C,D,D	25	3	3	1	1	3	3	81	High
319	NORTHSTAR-LOUIECREEK-ROCK OUTCROP COMPLEX	20	40	MD, VD, R	<7/No	VGrL - XGrSL, GrL - XCbSL	C,B,D	23	2	2	1	1	2	3	24	Moderate
320	NORTHSTAR-LOUIECREEK-ROCK OUTCROP COMPLEX	40	65	MD, VD, R	<7/No	VGrL - XGrSL, GrL - XCbSL	C,B,D	26	3	2	1	1	2	3	36	High
321	NORTHSTAR-ROCK OUTCROP COMPLEX	5	30	MD, R	<7/No	VGrL - XGrSL	C,D	17	2	3	1	1	3	2	36	High
322	OHSCOW SILT LOAM	20	40	VD	7 to 14	GrSL - XGrLS	B	37	2	1	2	1	1	4	16	Moderate
323	OHSCOW SILT LOAM	40	65	VD	7 to 14	GrSL - XGrLS	B	45	3	1	2	2	1	4	48	High
324	OHSCOW SILT LOAM, COOL	20	40	VD	7 to 14	GrSL - XGrLS	B	37	2	1	2	1	1	4	16	Moderate
325	OHSCOW SILT LOAM, COOL	40	65	VD	7 to 14	GrSL - XGrLS	B	45	3	1	2	2	1	4	48	High
326	OKANOGAN LOAM	0	5	VD	<7/No	SiL - S	B	2	1	1	1	1	1	1	1	Very Low
327	OMAK SILT LOAM	0	8	MD	<7/No	SiC - L	C	12	1	2	1	2	2	2	16	Moderate
328	OWHI LOAM	0	8	VD	<7/No	GrL - XGrCo.S	B	9	1	1	1	1	1	2	2	Very Low
329	OWHI STONY LOAM	3	30	VD	<7/No	GrL - XGrCo.S	B	10	2	1	1	1	1	2	4	Very Low
330	OWHI-HALEY FINE SANDY LOAMS COMPLEX	0	25	VD, VD	<7/No	GrFSL - XGrCo.S, FSL -Co.S	B,B	16	2	1	1	1	1	2	4	Very Low
331	OXERINE SILT LOAM	5	20	MD	7 to 14	GrL - XCbSL	C	20	1	2	2	1	2	3	24	Moderate
332	OXERINE SILT LOAM	20	40	MD	7 to 14	GrL - XCbSL	C	41	2	2	2	1	2	4	64	High
333	OXERINE SILT LOAM	40	65	MD	7 to 14	GrL - XCbSL	C	50	3	2	2	1	2	4	96	Extreme
334	OXERINE-ROCK OUTCROP COMPLEX	5	30	MD, R	7 to 14	GrL - XCbSL	C,D	30	2	3	2	1	3	3	108	Extreme
335	OXERINE-ROCK OUTCROP COMPLEX	30	65	MD, R	7 to 14	GrL - XCbSL	C,D	48	3	3	2	1	3	4	216	Extreme
336	PARMENTER SILT LOAM	0	8	VD	>14	GrLS - XCbCo.S	B	22	1	1	3	1	1	3	9	Low
337	PARMENTER SILT LOAM	8	20	VD	>14	GrLS - XCbCo.S	B	52	1	1	3	1	1	4	12	Moderate
338	PARMENTER SILT LOAM	20	40	VD	>14	GrLS - XCbCo.S	B	85	2	1	3	1	1	4	24	Moderate
339	PARMENTER BOULDERY SILT LOAM	8	20	VD	>14	GrLS - XBdCo.S	B	52	1	1	3	1	1	4	12	Moderate
340	PESHASTIN STONY FINE SANDY LOAM	0	10	VD	<7/No	L - XCbSL	B	2	1	1	1	1	1	1	1	Very Low
341	PESHASTIN STONY FINE SANDY LOAM	10	30	VD	<7/No	L - XCbSL	B	5	2	1	1	1	1	1	2	Very Low
342	PESHASTIN EXTREMELY BOULDERY LOAM	20	60	VD	<7/No	L - XCbSL	B	2	3	1	1	1	1	1	3	Very Low
343	PHOEBE FINE SANDY LOAM	0	5	VD	<7/No	FSL - S	B	4	1	1	1	1	1	1	1	Very Low
344	PHOEBE FINE SANDY LOAM	5	10	VD	<7/No	FSL - S	B	7	1	1	1	1	1	1	1	Very Low
345	PHOEBE FINE SANDY LOAM	10	25	VD	<7/No	FSL - S	B	12	2	1	1	2	1	2	8	Low
346	PHOEBE FINE SANDY LOAM	40	65	VD	<7/No	FSL - S	B	19	3	1	1	3	1	3	27	High
347	PHOEBE FINE SANDY LOAM, DRY	0	5	VD	<7/No	FSL - S	B	4	1	1	1	1	1	1	1	Very Low
348	PHOEBE FINE SANDY LOAM, DRY	5	10	VD	<7/No	FSL - S	B	7	1	1	1	1	1	1	1	Very Low
349	PHOEBE FINE SANDY LOAM, DRY	10	25	VD	<7/No	FSL - S	B	12	2	1	1	2	1	2	8	Low

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Pub. No.	Soil Map Unit Name	Soil Parameters/Attributes							Value Assignments						Soil Map Unit Sensitivity	
		Slope_l (%)	Slope_h (%)	Depth Class	Surface Ash (")	Substrat. Texture	Hydrologic Soil Group	Erosion Index	Slope	Depth	Surf. Ash	Substrat. Texture	Hydr. Group	Eros. Indx	Score	Rating
350	PHOEBE, DRY-DEHART COMPLEX	8	30	VD, VD	<7/No	FSL - S, VGrL - XCbSL	B,B	12	2	1	1	2	1	2	8	Low
351	PICARD VERY FINE SANDY LOAM	0	8	VD	<7/No	L - GrLFS	B	3	1	1	1	1	1	1	1	Very Low
352	PICARD VERY FINE SANDY LOAM	8	30	VD	<7/No	L - GrLFS	B	9	2	1	1	2	1	2	8	Low
353	PITS, SAND AND GRAVEL	na	na	na	na	na	na	na	9	9	9	9	9	9	0	Very Low
354	POGUE FINE SANDY LOAM	0	5	VD	<7/No	GrSL - VCbCo.S	B	3	1	1	1	1	1	1	1	Very Low
355	POGUE FINE SANDY LOAM	5	10	VD	<7/No	GrSL - VCbCo.S	B	6	1	1	1	1	1	1	1	Very Low
356	POGUE FINE SANDY LOAM	10	25	VD	<7/No	GrSL - VCbCo.S	B	10	2	1	1	1	1	2	4	Very Low
357	POGUE GRAVELLY FINE SANDY LOAM	0	10	VD	<7/No	GrFSL - XCbCo.S	B	2	1	1	1	1	1	1	1	Very Low
358	POGUE STONY FINE SANDY LOAM	0	25	VD	<7/No	GrFSL - VCbCo.S	B	5	2	1	1	1	1	1	2	Very Low
359	POGUE STONY FINE SANDY LOAM	25	65	VD	<7/No	GrFSL - VCbCo.S	B	12	3	1	1	2	1	2	12	Moderate
360	POWEEN LOAM	0	5	VD	<7/No	SiL - LS	C	3	1	1	1	1	2	1	2	Very Low
361	QUINCY SAND, ERODED SLOPES	8	50	VD	<7/No	LS - S	A	2	3	1	1	3	1	1	9	Low
362	QUINCY FINE SAND	25	60	VD	<7/No	LS - S	A	3	3	1	1	3	1	1	9	Low
363	QUINCY LOAMY SAND, FAN	2	10	VD	<7/No	LFS - Co.S	A	2	1	1	1	2	1	1	2	Very Low
364	QUINCY LOAMY FINE SAND	0	10	VD	<7/No	LFS - Co.S	A	2	1	1	1	2	1	1	2	Very Low
365	QUINCY LOAMY FINE SAND, ERODED	0	10	VD	<7/No	LFS - Co.S	A	2	1	1	1	2	1	1	2	Very Low
366	QUINCY LOAMY FINE SAND	10	25	VD	<7/No	LFS - Co.S	A	4	2	1	1	2	1	1	4	Very Low
367	QUINCY-AENEAS COMPLEX	3	15	VD, VD	<7/No	LFS - S, FSL - S	A,B	2	1	1	1	2	1	1	2	Very Low
368	RAISIO CHANNERY LOAM, DRY	40	65	MD	<7/No	VGrL - XCbSL	C	28	3	2	1	1	2	3	36	High
369	RAISIO, DRY-ROCK OUTCROP COMPLEX	20	40	MD, R	<7/No	VGrL - XCbSL	C,D	11	2	3	1	1	3	2	36	High
370	RAISIO-RUFUS CHANNERY LOAMS COMPLEX	8	30	MD, S	<7/No	VGrL - XCbSL, VGrL - XGrSL	C,D	20	2	3	1	1	3	3	54	High
371	RAISIO-RUFUS CHANNERY LOAMS COMPLEX	30	65	MD, S	<7/No	VGrL - XCbSL, VGrL - XGrSL	C,D	31	3	3	1	1	3	3	81	High
372	RAISIO, DRY-RUFUS CHANNERY LOAMS COMPLEX	30	65	MD, S	<7/No	VGrL - XCbSL, VGrL - XGrSL	C,D	25	3	3	1	1	3	3	81	High
373	RAISIO, DRY-RUFUS-ROCK OUTCROP COMPLEX	30	65	MD, S, R	<7/No	VGrL - XCbSL, VGrL - XGrSL	C,D,D	25	3	3	1	1	3	3	81	High
374	RAISIO, WARM-RUFUS CHANNERY LOAMS COMPLEX	8	30	MD, S	<7/No	VGrL - XCbSL, VGrL - XGrSL	C,D	16	2	3	1	1	3	3	54	High
375	RAISIO, WARM-RUFUS CHANNERY LOAMS COMPLEX	30	65	MD, S	<7/No	VGrL - XCbSL, VGrL - XGrSL	C,D	25	3	3	1	1	3	3	81	High
376	RALSEN SILT LOAM	0	3	VD	<7/No	SiL - GrS	D	3	1	1	1	1	3	1	3	Very Low
377	RATLAKE SILTY CLAY LOAM	0	2	S	<7/No	SiCL - SiL	D	4	1	3	1	1	3	1	9	Low
378	REARDAN SILT LOAM	0	8	VD	<7/No	SiC - SiL	C	7	1	1	1	1	2	1	2	Very Low
379	REARDAN SILT LOAM	8	15	VD	<7/No	SiC - SiL	C	14	1	1	1	1	2	2	4	Very Low
380	REBECCA FINE SANDY LOAM	0	5	VD	<7/No	GrFSL - GrCo.SL	B	2	1	1	1	2	1	1	2	Very Low
381	REBECCA GRAVELLY SANDY LOAM	3	15	VD	<7/No	GrFSL - GrCo.SL	B	3	1	1	1	2	1	1	2	Very Low
382	RENHA SILT LOAM	5	20	MD	7 to 14	C - GrSiL	C	29	1	2	2	1	2	3	24	Moderate
383	RENHA SILT LOAM	20	40	MD	7 to 14	C - GrSiL	C	57	2	2	2	1	2	4	64	High
384	RENHA, WARM-OXERINE SILT LOAMS COMPLEX	20	40	MD, MD	7 to 14	C - GrSiL, GrL - XGrLS	C,C	57	2	2	2	1	2	4	64	High

Soil Sensitivity Scores and Ratings of Reservation Soil Map Units (Soil Types)*.

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Pub. No.	Soil Map Unit Name	Soil Parameters/Attributes							Value Assignments						Soil Map Unit Sensitivity	
		Slope_l (%)	Slope_h (%)	Depth Class	Surface Ash (")	Substrat. Texture	Hydrologic Soil Group	Erosion Index	Slope	Depth	Surf. Ash	Substrat. Texture	Hydr. Group	Eros. Indx	Score	Rating
385	REPUBLIC LOAM	3	15	VD	<7/No	GrSiL - VGrSL	B	6	1	1	1	1	1	1	1	Very Low
386	REPUBLIC LOAM	15	30	VD	<7/No	GrSiL - VGrSL	B	11	2	1	1	1	1	2	4	Very Low
387	REPUBLIC LOAM	30	65	VD	<7/No	GrSiL - VGrSL	B	15	3	1	1	1	1	3	9	Low
388	RESNER LOAM	0	20	VD	>14	VGrLS - XCbCo.S	B	24	1	1	3	1	1	3	9	Low
389	RESNER LOAM	20	40	VD	>14	VGrLS - XCbCo.S	B	49	2	1	3	1	1	4	24	Moderate
390	RET SILT LOAM	0	3	VD	<7/No	SiL - GrCo.S	D	4	1	1	1	2	3	1	6	Low
391	RIVERWASH	na	na	na	na	na	na	na	9	9	9	9	9	9	0	Very Low
392	ROCK OUTCROP	na	na	na	na	na	na	na	9	9	9	9	9	9	0	Very Low
393	ROCK OUTCROP-CHUMSTICK COMPLEX	20	65	R, S	<7/No	VGrSL - XCbSL	D,D	50	3	3	1	1	3	4	108	Extreme
394	ROCK OUTCROP-CHUMSTICK, COLD COMPLEX	20	65	R, S	<7/No	VGrSL - XCbSL	D,D	46	3	3	1	1	3	4	108	Extreme
395	ROCK OUTCROP-MINERAL COMPLEX	30	65	R, MD	<7/No	VGrL - VStSL	D,C	23	3	3	1	1	3	3	81	High
396	ROCK OUTCROP-RUFUS COMPLEX	20	65	R, S	<7/No	VGrL - XGrSL	D,D	57	3	3	1	1	3	4	108	Extreme
397	ROCK OUTCROP-SOAPLAKE COMPLEX	5	30	R, S	<7/No	L - GrSL	D,D	32	2	3	1	1	3	3	54	High
398	ROCK OUTCROP-SWAKANE COMPLEX	5	30	R, S	<7/No	VGrL - XGrCo.SL	D,D	15	2	3	1	1	3	3	54	High
399	ROCK OUTCROP-VANBRUNT COMPLEX	20	65	R, MD	<7/No	GrSL - XCbSL	D,C	18	3	3	1	1	3	3	81	High
400	ROOSEVELT-SOAPLAKE-ROCK OUTCROP COMPLEX	5	30	MD, S, R	<7/No	FSL - CbSL, L - GrSL	C,D,D	32	2	3	1	1	3	3	54	High
401	ROOSEVELT-SOAPLAKE-ROCK OUTCROP COMPLEX	30	65	MD, S, R	<7/No	FSL - CbSL, L - GrSL	C,D,D	13	3	3	1	1	3	3	81	High
402	RUBBLE LAND	na	na	na	na	na	na	na	9	9	9	9	9	9	0	Very Low
403	RUBBLE LAND-ROCK OUTCROP COMPLEX	na	na	na	na	na	na	na	9	9	9	9	9	9	0	Very Low
404	RUBBLE LAND-ROCK OUTCROP-HAPLOXEROLLS, COBBLY CPX	30	70	VD, R, VD	<7/No	VCbSiL - Rfrags	A,D,B	14	3	2	1	1	2	3	36	High
405	SACHEEN LOAMY SAND, DRY	20	40	VD	<7/No	LFS - GrS	A	13	2	1	1	3	1	2	12	Moderate
406	SACHEEN LOAMY SAND, DRY	40	70	VD	<7/No	LFS - GrS	A	16	3	1	1	3	1	3	27	High
407	SACHEEN LOAMY FINE SAND, DRY	0	20	VD	<7/No	LFS - GrS	A	7	1	1	1	3	1	1	3	Very Low
408	SANPOIL SILT LOAM	0	2	VD	<7/No	SiL - VGrS	D	2	1	1	1	2	3	1	6	Low
409	SANPOIL SILT LOAM, PONDED	0	2	VD	<7/No	SiL - VGrS	D	2	1	1	1	2	3	1	6	Low
410	SCALA VERY FINE SANDY LOAM	0	5	VD	<7/No	VFSL - FSL	B	5	1	1	1	1	1	1	1	Very Low
411	SCLOME SILTY CLAY LOAM	0	3	VD	<7/No	SiCL - LS	C	2	1	1	1	1	2	1	2	Very Low
412	SCOAP SILT LOAM	5	20	VD	<7/No	VGrSiL - VCbL	B	16	1	1	1	1	1	2	2	Very Low
413	SCOAP GRAVELLY LOAM	20	40	VD	<7/No	GrL - VCbSL	B	21	2	1	1	1	1	3	6	Low
414	SCOAP GRAVELLY LOAM	40	65	VD	<7/No	GrL - VCbSL	B	25	3	1	1	1	1	3	9	Low
415	SCOAP-ROCK OUTCROP COMPLEX	20	40	VD, R	<7/No	GrL - VCbSL	B,D	21	2	2	1	1	2	3	24	Moderate
416	SCOAP-ROCK OUTCROP COMPLEX	40	65	VD, R	<7/No	GrL - VCbSL	B,D	25	3	2	1	1	2	3	36	High
417	SCRABBLERS SILT LOAM, DRY	0	20	VD	7 to 14	SL - GrCo.S	B	23	1	1	2	3	1	3	18	Moderate
418	SCRABBLERS SILT LOAM, DRY	20	40	VD	7 to 14	SL - GrCo.S	B	47	2	1	2	3	1	4	48	High
419	SCRABBLERS LOAM, WARM	0	20	VD	7 to 14	SL - GrS	B	27	1	1	2	3	1	3	18	Moderate

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Pub. No.	Soil Map Unit Name	Soil Parameters/Attributes							Value Assignments						Soil Map Unit Sensitivity	
		Slope_l (%)	Slope_h (%)	Depth Class	Surface Ash (")	Substrat. Texture	Hydrologic Soil Group	Erosion Index	Slope	Depth	Surf. Ash	Substrat. Texture	Hydr. Group	Eros. Indx	Score	Rating
420	SCRABBLERS LOAM, WARM	20	40	VD	7 to 14	SL - GrS	B	55	2	1	2	3	1	4	48	High
421	SITDOWN GRAVELLY LOAM	40	70	VD	7 to 14	VGrLS - VCbS	A	94	3	1	2	2	1	4	48	High
422	SKAHA LOAMY SAND	0	10	VD	<7/No	GrLS - XGrCo.S	A	1	1	1	1	1	1	1	1	Very Low
423	SKAHA GRAVELLY LOAMY SAND	0	10	VD	<7/No	GrLS - XGrCo.S	A	1	1	1	1	1	1	1	1	Very Low
424	SKAHA EXTREMELY GRAVELLY LOAMY SAND	30	65	VD	<7/No	GrLS - XGrCo.S	A	1	3	1	1	2	1	1	6	Low
425	SKAHA VERY STONY SANDY LOAM	5	30	VD	<7/No	VGrLCo.S - XCbCo.S	A	2	2	1	1	1	1	1	2	Very Low
426	SKAHA VERY STONY SANDY LOAM	30	65	VD	<7/No	VGrLCo.S - XCbCo.S	A	2	3	1	1	2	1	1	6	Low
427	SKAHA-ROCK OUTCROP COMPLEX	30	65	VD, R	<7/No	VGrLCo.S - XCbCo.S	A,D	2	3	2	1	2	2	1	24	Moderate
428	SKANID GRAVELLY SANDY LOAM	5	20	S	<7/No	GrSL - VGrCo.SL	D	15	1	3	1	2	3	2	36	High
429	SKANID GRAVELLY SANDY LOAM	20	40	S	<7/No	GrSL - VGrCo.SL	D	29	2	3	1	2	3	3	108	Extreme
430	SKANID GRAVELLY SANDY LOAM	40	65	S	<7/No	GrSL - VGrCo.SL	D	39	3	3	1	3	3	4	324	Extreme
431	SKANID GRAVELLY SANDY LOAM, WARM	5	20	S	<7/No	GrSL - VGrCo.SL	D	15	1	3	1	2	3	2	36	High
432	SKANID GRAVELLY SANDY LOAM, WARM	20	40	S	<7/No	GrSL - VGrCo.SL	D	29	2	3	1	2	3	3	108	Extreme
433	SKANID GRAVELLY SANDY LOAM, WARM	40	65	S	<7/No	GrSL - VGrCo.SL	D	39	3	3	1	3	3	4	324	Extreme
434	SKANID-ROCK OUTCROP COMPLEX	20	40	S, R	<7/No	GrSL - VGrCo.SL	D,D	29	2	3	1	2	3	3	108	Extreme
435	SKANID-ROCK OUTCROP COMPLEX	40	65	S, R	<7/No	GrSL - VGrCo.SL	D,D	39	3	3	1	3	3	4	324	Extreme
436	SKANID, WARM-ROCK OUTCROP COMPLEX	40	65	S, R	<7/No	GrSL - VGrCo.SL	D,D	39	3	3	1	3	3	4	324	Extreme
437	SPENS VERY STONY LOAMY SAND, DRY	20	40	VD	<7/No	GrLS - VCbCo.S	A	2	2	1	1	1	1	1	2	Very Low
438	SPENS VERY STONY LOAMY SAND, DRY	40	65	VD	<7/No	GrLS - VCbCo.S	A	3	3	1	1	2	1	1	6	Low
439	SPOKANE LOAM	5	20	MD	<7/No	GrL - GrCo.SL	C	14	1	2	1	2	2	2	16	Moderate
440	SPOKANE LOAM	20	40	MD	<7/No	GrL - GrCo.SL	C	30	2	2	1	2	2	3	48	High
441	SPOKANE LOAM	40	65	MD	<7/No	GrL - GrCo.SL	C	36	3	2	1	3	2	4	144	Extreme
442	SPOKANE LOAM, WARM	20	40	MD	<7/No	GrL - GrLCo.S	C	30	2	2	1	2	2	3	48	High
443	SPOKANE LOAM, WARM	40	65	MD	<7/No	GrL - GrLCo.S	C	36	3	2	1	3	2	4	144	Extreme
444	SPOKANE-ROCK OUTCROP COMPLEX	5	20	MD, R	<7/No	GrL - GrCo.SL	C,D	14	1	3	1	2	3	2	36	High
445	SPOKANE-ROCK OUTCROP COMPLEX	20	40	MD, R	<7/No	GrL - GrCo.SL	C,D	30	2	3	1	2	3	3	108	Extreme
446	SPOKANE, WARM-SKANID, WARM COMPLEX	5	20	MD, S	<7/No	GrL - GrLCo.S, GrSL - VGrCo.SL	C,D	14	1	3	1	2	3	2	36	High
447	SPOKANE, WARM-SKANID, WARM COMPLEX	20	40	MD, S	<7/No	GrL - GrLCo.S, GrSL - VGrCo.SL	C,D	30	2	3	1	2	3	3	108	Extreme
448	SPOKANE, WARM-SKANID, WARM COMPLEX	40	65	MD, S	<7/No	GrL - GrLCo.S, GrSL - VGrCo.SL	C,D	36	3	3	1	3	3	4	324	Extreme
449	SPRINGDALE GRAVELLY SANDY LOAM	0	15	VD	<7/No	GrLS - XCbCo.S	A	13	1	1	1	1	1	2	2	Very Low
450	SPRINGDALE GRAVELLY SANDY LOAM	15	30	VD	<7/No	GrLS - XCbCo.S	A	25	2	1	1	1	1	3	6	Low
451	SPRINGDALE GRAVELLY SANDY LOAM	30	65	VD	<7/No	GrLS - XCbCo.S	A	37	3	1	1	2	1	4	24	Moderate
452	STAPALOOP FINE SANDY LOAM	0	20	VD	<7/No	FSL - GrLFS	B	8	1	1	1	2	1	2	4	Very Low
453	STAPALOOP FINE SANDY LOAM	20	40	VD	<7/No	FSL - GrLFS	B	17	2	1	1	2	1	3	12	Moderate
454	STAPALOOP FINE SANDY LOAM, DRY	0	20	VD	<7/No	FSL - GrLFS	B	7	1	1	1	2	1	2	4	Very Low

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		Slope_l (%)	Slope_h (%)	Depth Class	Surface Ash (")	Substrat. Texture	Hydrologic Soil Group	Erosion Index	Slope	Depth	Surf. Ash	Substrat. Texture	Hydr. Group	Eros. Indx	Score	Rating
455	STEPSTONE LOAM	5	20	VD	>14	GrSL - XStLS	B	24	1	1	3	1	1	3	9	Low
456	STEPSTONE LOAM	20	40	VD	>14	GrSL - XStLS	B	47	2	1	3	1	1	4	24	Moderate
457	STEPSTONE LOAM	40	65	VD	>14	GrSL - XStLS	B	58	3	1	3	2	1	4	72	High
458	STEPSTONE BOULDERY LOAM	20	40	VD	>14	GrL - VStLS	B	41	2	1	3	1	1	4	24	Moderate
459	STEVENS SILT LOAM	0	8	MD	<7/No	SiL - GrSL	B	7	1	2	1	1	1	1	2	Very Low
460	STEVENS SILT LOAM	8	15	MD	<7/No	SiL - GrSL	B	14	1	2	1	1	1	2	4	Very Low
461	STEVENS SILT LOAM	15	30	MD	<7/No	SiL - GrSL	B	22	2	2	1	1	1	3	12	Moderate
462	STEVENS GRAVELLY SILT LOAM	30	65	MD	<7/No	SiL - GrSL	B	20	3	2	1	1	1	3	18	Moderate
463	STRAT GRAVELLY FINE SANDY LOAM	0	10	VD	<7/No	VGrL - XCbCo.S	B	2	1	1	1	1	1	1	1	Very Low
464	STUBBLEFIELD STONY LOAM	3	25	MD	<7/No	VGrL - VCbSL	C	9	2	2	1	1	2	2	16	Moderate
465	SWAKANE COBBLY LOAM	25	65	S	<7/No	VGrL - XGrCo.SL	D	36	3	3	1	1	3	4	108	Extreme
466	SWAKANE-ROCK OUTCROP COMPLEX	5	30	S, R	<7/No	VGrL - XGrCo.SL	D,D	17	2	3	1	1	3	3	54	High
467	SWAKANE-ROCK OUTCROP COMPLEX	30	70	S, R	<7/No	VGrL - XGrCo.SL	D,D	28	3	3	1	1	3	4	108	Extreme
468	SWIPKIN SILT LOAM	0	5	VD	<7/No	SiL - VFSL	B	4	1	1	1	1	1	1	1	Very Low
469	SWIPKIN SILT LOAM	5	10	VD	<7/No	SiL - VFSL	B	7	1	1	1	2	1	1	2	Very Low
470	THOUT GRAVELLY LOAM, DRY	20	40	MD	<7/No	GrL - VCbSL	C	25	2	2	1	1	2	3	24	Moderate
471	THOUT, DRY-ROCK OUTCROP COMPLEX	8	20	MD, R	<7/No	GrL - VCbSL	C,D	16	1	3	1	1	3	2	18	Moderate
472	THOUT, DRY-ROCK OUTCROP COMPLEX	20	40	MD, R	<7/No	GrL - VCbSL	C,D	25	2	3	1	1	3	3	54	High
473	THOUT, DRY-ROCK OUTCROP COMPLEX	40	65	MD, R	<7/No	GrL - VCbSL	C,D	31	3	3	1	1	3	3	81	High
474	TIMENTWA LOAM	0	8	D	<7/No	L - CbSL	B	4	1	1	1	1	1	1	1	Very Low
475	TIMENTWA LOAM	8	15	D	<7/No	L - CbSL	B	9	1	1	1	1	1	2	2	Very Low
476	TIMENTWA VERY BOULDERY LOAM	0	30	D	<7/No	L - VCbSL	B	6	2	1	1	1	1	1	2	Very Low
477	TIMENTWA LOAMS COMPLEX	30	65	D	<7/No	L - CbSL, L - CbSL	B	17	3	1	1	1	1	3	9	Low
478	TIMENTWA VERY BOULDERY LOAMS COMPLEX	30	65	D	<7/No	L - VCbSL, L - VCbSL	B	11	3	1	1	1	1	2	6	Low
479	TIMENTWA-BAKEOVEN-ROCK OUTCROP COMPLEX	0	30	D, VS, R	<7/No	L - CbSL,VCbSiL - XCbL	B,D,D	9	2	2	1	1	2	2	16	Moderate
480	TOGO SILT LOAM	5	20	VD	>14	GrSL - XCbSL	B	15	1	1	3	1	1	2	6	Low
481	TOGO SILT LOAM	20	40	VD	>14	GrSL - XCbSL	B	28	2	1	3	1	1	3	18	Moderate
482	TOGO SILT LOAM	40	65	VD	>14	GrSL - XCbSL	B	35	3	1	3	2	1	4	72	High
483	TOGO SILT LOAM, WARM	20	40	VD	>14	GrSL - XCbSL	B	28	2	1	3	1	1	3	18	Moderate
484	TOGO-ROCK OUTCROP COMPLEX	5	30	VD, R	>14	GrSL - XCbSL	B,D	6	2	2	3	1	2	3	72	High
485	TORBOY FINE SANDY LOAM	0	20	VD	<7/No	GrSL - VGrS	A	15	1	1	1	3	1	2	6	Low
486	TORBOY FINE SANDY LOAM	20	40	VD	<7/No	GrSL - VGrS	A	31	2	1	1	3	1	3	18	Moderate
487	TORRIFLUVENTIC HAPLOXEROLLS	0	3	VD	<7/No	SiL - XGrCo.S	A	1	1	1	1	2	1	1	2	Very Low
488	TUNKCREEK FINE SANDY LOAM	5	20	VD	>14	SL - GrCo.S	A	17	1	1	3	3	1	2	18	Moderate
489	TUNKCREEK FINE SANDY LOAM	20	40	VD	>14	SL - GrCo.S	A	33	2	1	3	3	1	3	54	High

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Pub. No.	Soil Map Unit Name	Soil Parameters/Attributes							Value Assignments						Soil Map Unit Sensitivity	
		Slope_l (%)	Slope_h (%)	Depth Class	Surface Ash (")	Substrat. Texture	Hydrologic Soil Group	Erosion Index	Slope	Depth	Surf. Ash	Substrat. Texture	Hydr. Group	Eros. Indx	Score	Rating
490	TYEE GRAVELLY LOAM	5	30	S	<7/No	GrL - GrCo.SL	D	20	2	3	1	1	3	3	54	High
491	TYEE GRAVELLY LOAM	30	65	S	<7/No	GrL - GrCo.SL	D	32	3	3	1	2	3	3	162	Extreme
492	TYEE GRAVELLY LOAM, NORTH SLOPES	30	65	S	<7/No	GrL - GrCo.SL	D	32	3	3	1	2	3	3	162	Extreme
493	TYEE-MORICAL-TYEE COMPLEX	30	60	S, MD	<7/No	GrL - GrCo.SL, SiL - GrL	D,C	36	3	3	1	2	3	3	162	Extreme
494	TYEE-ROCK OUTCROP COMPLEX	8	30	S, R	<7/No	GrL - GrCo.SL	D,D	20	2	3	1	1	3	3	54	High
495	TYEE-ROCK OUTCROP COMPLEX	30	65	S, R	<7/No	GrL - GrCo.SL	D,D	32	3	3	1	2	3	3	162	Extreme
496	TYPIC HAPLAQUOLLS	0	2	VD	<7/No	FSL - XGrS	D	1	1	1	1	1	3	1	3	Very Low
497	TYPIC XERORTHENTS-TYPIC XEROCHREPTS COMPLEX	5	50	VD, VD	<7/No	SICL - GrSL, SiCL - GrCo.SL	B,B	10	3	1	1	3	2	2	36	High
498	ULTIC HAPLOXEROLLS	40	70	VD	<7/No	CL - VGrS	B	27	3	1	1	2	1	3	18	Moderate
499	UNCAS MUCK	0	2	VD	Alluv.mix	SiCL - VFSL	D	0	1	1	2	1	3	1	6	Low
500	VANBRUNT-ROCK OUTCROP COMPLEX	5	20	MD, R	<7/No	GrSL - XCbSL	C,D	9	1	3	1	1	3	2	18	Moderate
501	VANBRUNT-ROCK OUTCROP COMPLEX	20	40	MD, R	<7/No	GrSL - XCbSL	C,D	18	2	3	1	1	3	3	54	High
502	VANBRUNT-ROCK OUTCROP COMPLEX	40	65	MD, R	<7/No	GrSL - XCbSL	C,D	15	3	3	1	1	3	3	81	High
503	WANNACOTT SILT LOAM	0	8	MD	<7/No	SiCL - VGrSL	B	5	1	2	1	2	1	1	4	Very Low
504	WANNACOTT SILT LOAM	8	15	MD	<7/No	SiCL - VGrSL	B	12	1	2	1	2	1	2	8	Low
505	WAPAL GRAVELLY SANDY LOAM	0	15	VD	<7/No	GrLS - VGrCo.S	A	15	1	1	1	1	1	2	2	Very Low
506	WAPAL COBBLY SANDY LOAM	0	15	VD	<7/No	GrLS - XCbCo.S	A	15	1	1	1	1	1	2	2	Very Low
507	WAPAL GRAVELLY SANDY LOAM	15	30	VD	<7/No	GrLS - VGrCo.S	A	31	2	1	1	1	1	3	6	Low
508	WAPAL GRAVELLY SANDY LOAM	30	65	VD	<7/No	GrLS - VGrCo.S	A	41	3	1	1	2	1	4	24	Moderate
509	WELLSCREEK CHANNERY LOAM	5	20	VD	<7/No	GrSiL, GrCL - VCbL	B	6	1	1	1	1	1	1	1	Very Low
510	WELLSCREEK CHANNERY LOAM	20	40	VD	<7/No	GrSiL, GrCL - VCbL	B	10	2	1	1	1	1	2	4	Very Low
511	WELLSCREEK VERY CHANNERY LOAM	40	65	VD	<7/No	VGrSiL, VGrCL - XCbL	B	9	3	1	1	1	1	2	6	Low
512	WHITESTONE LOAM	5	20	VD	<7/No	GrSL - VCbLS	B	6	1	1	1	1	1	1	1	Very Low
513	WHITESTONE GRAVELLY SANDY LOAM	20	40	VD	<7/No	GrSL - VCbLS	B	6	2	1	1	1	1	1	2	Very Low
514	WHITESTONE GRAVELLY SANDY LOAM	40	65	VD	<7/No	GrSL - VCbLS	B	7	3	1	1	1	1	2	6	Low
515	WHITESTONE VERY STONY SANDY LOAM	20	40	VD	<7/No	VGrSL - VCbLS	B	4	2	1	1	1	1	1	2	Very Low
516	WHITESTONE-ROCK OUTCROP COMPLEX	20	40	VD, R	<7/No	GrSL - VCbLS	B,D	6	2	2	1	1	2	2	16	Moderate
517	WILMONT SILT LOAM	20	40	VD	7 to 14	VGrL - XGrLS	B	27	2	1	2	1	1	3	12	Moderate
518	WILMONT SILT LOAM	40	65	VD	7 to 14	VGrL - XGrLS	B	33	3	1	2	1	1	3	18	Moderate
519	WILMONT SILT LOAM, COOL	20	40	VD	7 to 14	VGrL - XGrLS	B	27	2	1	2	1	1	3	12	Moderate
520	WILMONT SILT LOAM, COOL	40	65	VD	7 to 14	VGrL - XGrLS	B	33	3	1	2	1	1	3	18	Moderate
521	WINCHESTER LOAMY COARSE SAND	0	10	VD	<7/No	S - Co.S	A	1	1	1	1	2	1	1	2	Very Low
522	WINCHESTER LOAMY COARSE SAND	10	25	VD	<7/No	S - Co.S	A	2	2	1	1	2	1	1	4	Very Low
523	WINCHESTER LOAMY COARSE SAND	25	60	VD	<7/No	S - Co.S	A	3	3	1	1	3	1	1	9	Low
524	WINCHESTER-ROCK OUTCROP COMPLEX	0	25	VD, R	<7/No	S - Co.S	A,D	2	2	2	1	2	1	1	8	Low

Soil Sensitivity Scores and Ratings of Reservation Soil Map Units (Soil Types)*.

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Pub. No.	Soil Map Unit Name	Soil Parameters/Attributes							Value Assignments						Soil Map Unit Sensitivity	
		Slope_l (%)	Slope_h (%)	Depth Class	Surface Ash (")	Substrat. Texture	Hydrologic Soil Group	Erosion Index	Slope	Depth	Surf. Ash	Substrat. Texture	Hydr. Group	Eros. Indx	Score	Rating
525	WINTHROP STONY SANDY LOAM	0	20	VD	<7/No	VGrLS - XGrCo.S	A	9	1	1	1	2	1	2	4	Very Low
526	WYNHOFF STONY LOAM	8	30	MD	<7/No	VGrL - XCbCo.SL	C	6	2	2	1	1	2	2	16	Moderate
527	WYNHOFF STONY LOAM	30	65	MD	<7/No	VGrL - XCbCo.SL	C	9	3	2	1	1	2	3	36	High
528	XERIC TORRIORTHENTS, FILL	0	15	VD	<7/No	SiCL - VCbCo.S	B	7	1	1	1	2	1	1	2	Very Low
529	XERIC TORRIORTHENTS, ESCARPMENTS	30	65	VD	<7/No	SiCL - VCbCo.S	B	0	3	1	1	3	2	2	36	High
530	XEROCHREPTS-RUBBLE LAND-ROCK OUTCROP COMPLEX	40	90	VD, VD, R	<7/No	VGrL - XCbSL	B,A,D	12	3	2	1	1	2	2	24	Moderate

* Analysis determines the relative inherent susceptibility of Reservation soil map units (soil types) to disturbance, surface runoff and erosion.

All components of a soil complex, including rock outcrop, are considered for soil depth and hydrologic soil group value assignments, as all components influence surface runoff and basin storage capacity. However, surface ash and substratum value assignments are based on soil textures and erosional properties, and only the soil component of the soil complex is considered in these instances.

An inherent sensitivity score was assigned to each soil map unit based on the product of the six soil attribute values indicated above, and a sensitivity rating was assigned to each soil map unit score based on natural groupings or clustering of all the map unit scores. The five recognized rating classes are indicated in the following table:

This table is a revision of the original table in Appendix I of IRMP Phase I Hydrology Report. Updates and corrections were made, but changes to value assignments and soil map unit sensitivity scores and ratings were kept to a minimum in respect of the CCT Hydrologist and BIA Soil Scientist and their knowledge of soil types, thought process and in-depth policies established for this analysis in 1996. Notes, analysis methods and policies are on file in Environmental Trust.

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Soil Map Unit Sensitivity Rating Summary

Score Range	Rating Class
82 to 648	Extreme
25 to 81	High
10 to 24	Moderate
5 to 9	Low
1 to 4	Very Low