APPENDIX C

SOIL REPORTS

Selected reports generated by the NRCS databases are included in this appendix. A general description of each report and its contents follows:

Component Legend Report: This report provides soil series details for each map unit including percent composition and slope (high, low, and representative value (RV)).

Classification of the Soils Report: This report specifies the Family or higher taxonomic classification of each soil series.

Physical Properties of the Soils Report: This report provides representative ranges of values for certain physical properties of each soil series at various depths. Properties include sand/silt/clay percentages, moisture bulk density, permeability, water capacity, linear extensibility, percent organic matter, water erosion factors (Kw=water erosion factor including rock fragments, Kf=water erosion factor, T=water erosion tolerance in tons/acre/year), and wind erosion factors (Wind Erodibility Groups predetermine the Wind Erodibility Index; see the domain characterization following the table in the Appendix).

Chemical Properties of the Soils Report: This report provides representative ranges of values for certain chemical properties of each soil series at various depths. Properties include cation exchange capacity, pH, percent calcium carbonate, percent gypsum, salinity, and SAR (Sodium Adsorption Ratio).

Water Management Report: This report provides the top five limiting features of each soil series that are likely to be encountered in the development of pond reservoir areas, embankments, dikes and levees, and aquifer-fed excavated ponds. The limiting features are rated from 0 to 1 according to the degree of likelihood of encountering that limitation, "1" being "very likely."

RUSLE Related Attributes Report: This report assembles soil characteristics that are pertinent to the Revised Universal Soil Loss Equation (RUSLE). RUSLE is a quantitative procedure for estimating soil loss. More information can be found at http://www.iwr.msu.edu/rusle/ .

Prime Farmland Report: This report reveals the two soils (Washakie County only) that are considered "prime farmland" if irrigated.

Component Legend

Big Horn County Area, Wyoming

Map Unit Symbol and Map Unit Name	% Comp-osition	Component	Component Kind	Slope		
				Low	RV	High
43A: LOSTWELLS CLAY LOAM, 0 TO 3 PERCENT SLOPES	85	LOSTWELLS	Series	0	2	3
45AB: LOSTWELLS-YOUNGSTON SOILS, WET, 0 TO 6 PERCENT SLOPES	35	LOSTWELLS, wet	Series	0	3	6
	35	YOUNGSTON, wet	Series	0	3	6
67AC: UFFENS SILTY CLAY LOAM, 0 TO 10 PERCENT SLOPES	85	UFFENS	Series	0	4	8
102: BADLAND	90	BADLAND	Miscellaneous area	1	50	99
315BD: PREATORSON-WORLAND-WILLWOOD ASSOCIATION, STEEP	30	PREATORSON	Series	2	16	30
	25	WORLAND	Series	3	17	30
	20	WILLWOOD	Series	0	5	10
317: MUDRAY VARIANT-MUFF-BRIBUTTE COMPLEX, 0 TO 10 PERCENT SLOPES	40	MUDRAY VARIANT	Variant	2	6	10
	25	MUFF	Series	3	7	10
	15	BRIBUTTE	Series	0	5	10
351AC: LOSTWELLS CLAY LOAM, ALKALI, 0 TO 10 PERCENT SLOPES	85	LOSTWELLS, ALKALI	Series	0	5	10
367AC: RAIRDENT-UFFENS LOAMS, 0 TO 10 PERCENT SLOPES	60	RAIRDENT	Series	0	5	10
	35	UFFENS	Series	0	4	8
368A: LOSTWELLS-KINNEAR SANDY CLAY LOAMS, 0 TO 3 PERCENT SLOPES	40	KINNEAR	Series	0	2	3
	40	LOSTWELLS	Series	0	2	3
368AC: LOSTWELLS-KINNEAR SANDY CLAY LOAMS, 0 TO 10 PERCENT SLOPES	40	KINNEAR	Series	0	5	10
	40	LOSTWELLS	Series	0	5	10

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Component Legend - Continued

Big Horn County Area, Wyoming

Map Unit Symbol and Map Unit Name	% Comp-osition	Component	Component Kind	Slope		
				Low	RV	High
368B: LOSTWELLS-KINNEAR SANDY CLAY LOAMS, 3 TO 6 PERCENT SLOPES	40	KINNEAR	Series	3	5	6
	40	LOSTWELLS	Series	3	5	6
371A: GREYBULL-PERSAYO CLAY LOAMS, 0 TO 3 PERCENT SLOPES	50	GREYBULL	Series	0	2	3
	25	PERSAYO	Series	2	3	3
371AD: GREYBULL-PERSAYO ASSOCIATION, ROLLING	50	GREYBULL	Series	0	15	30
	30	PERSAYO	Series	2	16	30
372CD: WORLAND-PERSAYO COMPLEX, 2 TO 45 PERCENT SLOPES	45	WORLAND	Series	6	18	30
	30	PERSAYO	Series	6	26	45
409A: GLENTON-BAROID SANDY LOAMS, WET, 0 TO 3 PERCENT SLOPES	30	BAROID, WET	Series	0	2	3
	30	GLENTON, WET	Series	0	2	3
471CE: BRIBUTTE-PERSAYO-PAVILLION COMPLEX, 3 TO 60 PERCENT SLOPES	30	BRIBUTTE	Series	6	33	60
	30	PERSAYO	Series	6	26	45
	15	PAVILLION	Series	3	12	20
493BD: EMBLEM-GRIFFY-PREATORSON COMPLEX, 1 TO 30 PERCENT SLOPES	40	EMBLEM	Series	2	6	10
	25	GRIFFY	Series	2	9	15
	20	PREATORSON	Series	3	17	30
570AD: MUFF-UFFENS-PERSAYO COMPLEX, 0 TO 30 PERCENT SLOPES	35	MUFF	Series	0	5	10
	25	UFFENS	Series	0	4	8
	20	PERSAYO	Series	10	20	30

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Component Legend

Washakie County Area, Wyoming

Map Unit Symbol and Map Unit Name	% Comp-osition	Component	Component Kind	Slope		
				Low	RV	High
4: APRON-WORLAND SANDY LOAMS, 1 TO 12 PERCENT SLOPES	45	APRON	Series	1	6	10
	30	WORLAND	Series	1	7	12
14: CLIFTERSON-PERSAYO ASSOCIATION	45	CLIFTERSON	Series	2	16	30
	25	PERSAYO	Series	2	24	45
	10	LOSTWELLS	Series	1	6	10
19: FLUVAQUENTS	85	FLUVAQUENTS	Taxon above family	0	1	2
31: GRIFFY SANDY LOAM, 1 TO 10 PERCENT SLOPES	85	GRIFFY	Series	1	6	10
40: LOSTWELLS CLAY LOAM, 0 TO 3 PERCENT SLOPES	85	LOSTWELLS	Series	0	2	3
42: LOSTWELLS-YOUNGSTON COMPLEX, 1 TO 10 PERCENT SLOPES	40	LOSTWELLS	Series	1	6	10
	25	YOUNGSTON	Series	1	5	8
	10	UFFENS	Series	1	5	8
43: LOSTWELLS-YOUNGSTON COMPLEX, WET, 0 TO 6 PERCENT SLOPES	30	LOSTWELLS	Series	0	3	6
	30	YOUNGSTON	Series	0	3	6
	25	LOSTWELLS	Series	0	3	6
56: PERSAYO-MUFF-ROCK OUTCROP ASSOCIATION	50	PERSAYO	Series	2	4	6
	15	MUFF	Series	1	4	6
	10	ROCK OUTCROP	Miscellaneous area	---	---	---
57: PERSAYO-ROCK OUTCROP ASSOCIATION	40	PERSAYO	Series	15	28	40
	40	ROCK OUTCROP	Miscellaneous area	---	---	---

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Component Legend - Continued

Washakie County Area, Wyoming

Map Unit Symbol and Map Unit Name	% Comp-osition	Component	Component Kind	Slope		
				Low	RV	High
71: UFFENS-RAIRDENT COMPLEX, 1 TO 10 PERCENT SLOPES	40	UFFENS	Series	1	5	8
	30	RAIRDENT	Series	1	6	10
	10	GRIFFY	Series	1	6	10
82: YOUNGSTON SILTY CLAY LOAM, 0 TO 3 PERCENT SLOPES	85	YOUNGSTON	Series	0	1	3
84: YOUNGSTON-UFFENS-LOSTWELLS COMPLEX, 1 TO 10 PERCENT SLOPES	40	YOUNGSTON	Series	0	4	8
	25	UFFENS	Series	1	5	8
	15	LOSTWELLS	Series	1	6	10

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Table Q1. - Classification of the Soils

Big Horn County Area, Wyoming

An asterisk following the soil name indicates a taxadjunct to the series.

Soil Name	Family or Higher Taxonomic Classification
BAROID, WET	Sandy, mixed, mesic Typic Torrifluvents
BRIBUTTE	Clayey, montmorillonitic (calcareous), mesic, shallow Typic Torriorthents
EMBLEM	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Typic Calciorthids
GLENTON, WET	Coarse-loamy, mixed (calcareous), mesic Typic Torrifluvents
GREYBULL	Fine-loamy, mixed (calcareous), mesic Typic Torriorthents
GRIFFY	Fine-loamy, mixed, mesic Typic Haplargids
KINNEAR	Fine-loamy, mixed, mesic Typic Camborthids
LOSTWELLS	Fine-loamy, mixed (calcareous), mesic Typic Torrifluvents
LOSTWELLS, ALKALI	Fine-loamy, mixed (calcareous), mesic Typic Torrifluvents
MUDRAY VARIANT	Clayey-skeletal, montmorillonitic, mesic Lithic Natrargids
MUFF	Fine-loamy, mixed, mesic Typic Natrargids
PAVILLION	Fine-loamy, mixed, mesic Typic Camborthids
PERSAYO	Loamy, mixed (calcareous), mesic, shallow Typic Torriorthents
PREATORSON	Loamy-skeletal, mixed, mesic Typic Haplargids
RAIRDENT	Fine-loamy, mixed, mesic Cambic Gypsiorthids
UFFENS	Fine-loamy, mixed, mesic Typic Natrargids
WILLWOOD	Sandy-skeletal, mixed, mesic Typic Torriorthents
WORLAND	Coarse-loamy, mixed (calcareous), mesic Typic Torriorthents
YOUNGSTON	Fine-loamy, mixed (calcareous), mesic Typic Torrifluvents

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Table Q1. - Classification of the Soils

Washakie County Area, Wyoming

An asterisk following the soil name indicates a taxadjunct to the series.

Soil Name	Family or Higher Taxonomic Classification
APRON	Coarse-loamy, mixed (calcareous), mesic Typic Torriorthents
CLIFTERSON	Loamy-skeletal, mixed (calcareous), mesic Typic Torriorthents
GRIFFY	Fine-loamy, mixed, mesic Typic Haplargids
LOSTWELLS	Fine-loamy, mixed (calcareous), mesic Typic Torrifluvents
MUFF	Fine-loamy, mixed, mesic Typic Natrargids
PERSAYO	Loamy, mixed (calcareous), mesic, shallow Typic Torriorthents
RAIRDENT	Fine-loamy, mixed, mesic Cambic Gypsiorthids
UFFENS	Fine-loamy, mixed, mesic Typic Natrargids
WORLAND	Coarse-loamy, mixed (calcareous), mesic Typic Torriorthents
YOUNGSTON	Fine-loamy, mixed (calcareous), mesic Typic Torrifluvents

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Table J1b. - Physical Properties of the Soils

Big Horn County Area, Wyoming

Entries under "Erosion Factors--T" apply to the entire profile. Entries under "Wind Erodibility Group" and "Wind Erodibility Index" apply only to the surface layer. Absence of an entry indicates that data wer estimated.

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
43A:														
LOSTWELLS	0-8	---	---	20-30	1.15-1.25	0.6-2	0.11-0.16	3.0-5.9	0.5-1.0	.32	.32	5	5	56
	8-60	---	---	20-30	1.25-1.40	0.6-2	0.13-0.16	3.0-5.9	0.0-0.5	.32	.32			
45AB:														
LOSTWELLS, wet	0-8	---	---	27-35	1.15-1.25	0.6-2	0.19-0.21	3.0-5.9	0.5-1.0	.32	.32	5	4L	86
	8-60	---	---	20-30	1.25-1.35	0.6-2	0.14-0.16	3.0-5.9	0.0-0.5	.37	.37			
YOUNGSTON, wet	0-9	---	---	27-35	1.10-1.20	0.6-2	0.19-0.21	3.0-5.9	0.5-1.0	.37	.37	5	4L	86
	9-60	---	---	18-35	1.20-1.30	0.2-0.6	0.19-0.21	3.0-5.9	0.0-0.5	.37	.37			
67AC:														
UFFENS	0-4	---	---	15-20	1.10-1.20	0.2-0.6	0.15-0.17	0.0-2.9	0.5-1.0	.49	.49	5	4L	86
	4-15	---	---	20-30	1.15-1.25	0.2-0.6	0.15-0.17	3.0-5.9	0.0-0.5	.24	.24			
	15-60	---	---	20-30	1.15-1.25	0.2-0.6	0.07-0.11	3.0-5.9	0.0-0.5	.24	.24			
102:														
BADLAND	0-60	---	---	---	---	---	---	---	---	---	---	---	8	0
315BD:														
PREATORSON	0-2	---	---	5-12	1.25-1.35	2-6	0.07-0.11	0.0-2.9	0.5-1.0	.15	.32	5	4	86
	2-11	---	---	18-35	1.25-1.40	0.6-2	0.03-0.05	3.0-6.0	0.5-1.0	.05	.32			
	11-60	---	---	18-35	1.25-1.40	0.6-2	0.04-0.06	3.0-6.0	0.0-0.5	.10	.32			
WORLAND	0-3	---	---	10-18	1.25-1.35	2-6	0.11-0.13	0.0-2.9	0.5-1.0	.24	.24	3	3	86
	3-32	---	---	10-18	1.35-1.50	2-6	0.11-0.13	0.0-2.9	0.0-0.5	.32	.32			
	32-42	---	---	---	---	---	---	---	---	---	---			
WILLWOOD	0-8	---	---	5-15	1.25-1.35	2-6	0.09-0.11	0.0-2.9	0.5-1.0	.10	.20	5	4	86
	8-60	---	---	2-8	1.45-1.60	6-20	0.03-0.05	0.0-2.9	0.0-0.5	.02	.15			

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Table J1b. - Physical Properties of the Soils - Continued

Big Horn County Area, Wyoming

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors Kw	Kf	T	Wind Erodi-bility Group	Wind Erodi-bility Index
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
315BD:														
317:														
MUDRAY VARIANT	0-2	---	---	5-15	1.50-1.60	2-6	0.08-0.09	0.0-2.9	0.0-0.5	.28	.28	1	3	86
	2-15	---	---	30-40	1.20-1.35	0.001-0.06	0.09-0.13	3.0-5.9	0.0-0.5	.32	.32			
	15-19	---	---	---	---	0.0000	---	---	---	---	---			
MUFF	0-3	---	---	5-15	1.25-1.35	2-6	0.13-0.15	0.0-2.9	0.5-1.0	.32	.32	3	3	86
	3-24	---	---	20-35	1.20-1.35	0.06-0.2	0.04-0.16	3.0-5.9	0.0-0.5	.37	.37			
	24-37	---	---	20-30	1.25-1.40	0.2-0.6	0.12-0.14	3.0-5.9	0.0-0.5	.32	.32			
	37-47	---	---	---	---	---	---	---	---	---	---			
BRIBUTTE	0-3	---	---	35-40	1.10-1.20	0.06-0.2	0.10-0.14	6.0-8.9	0.5-1.0	.32	.32	2	4L	86
	3-12	---	---	35-60	1.20-1.30	0.06-0.2	0.10-0.14	9.0-12.0	0.0-0.5	.37	.37			
	12-22	---	---	---	---	---	---	---	---	---	---			
351AC:														
LOSTWELLS, ALKALI	0-3	---	---	27-35	1.20-1.40	0.06-0.2	0.15-0.17	3.0-5.9	0.5-1.0	.32	.32	5	4L	86
	3-60	---	---	18-35	1.40-1.55	0.6-2	0.10-0.14	3.0-5.9	0.0-0.5	.32	.32			
367AC:														
RAIRDENT	0-2	---	---	10-25	1.15-1.25	0.6-2	0.16-0.18	0.0-2.9	0.5-1.0	.32	.32	5	4L	86
	2-60	---	---	18-33	1.25-1.40	0.6-2	0.16-0.20	3.0-6.0	0.0-0.5	.32	.32			
UFFENS	0-4	---	---	15-20	1.10-1.20	0.2-0.6	0.15-0.17	0.0-2.9	0.5-1.0	.49	.49	5	4L	86
	4-15	---	---	20-30	1.15-1.25	0.2-0.6	0.15-0.17	3.0-5.9	0.0-0.5	.24	.24			
	15-60	---	---	20-30	1.15-1.25	0.2-0.6	0.07-0.11	3.0-5.9	0.0-0.5	.24	.24			
368A:														
KINNEAR	0-10	---	---	20-35	1.15-1.25	0.6-2	0.14-0.16	3.0-6.0	0.5-1.0	.32	.32	5	5	56
	10-60	---	---	15-27	1.25-1.35	0.6-2	0.14-0.16	0.0-2.9	0.0-0.5	.37	.37			

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Table J1b. - Physical Properties of the Soils - Continued

Big Horn County Area, Wyoming

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
368A:														
LOSTWELLS	0-8	---	---	20-30	1.15-1.25	0.6-2	0.11-0.16	3.0-5.9	0.5-1.0	.32	.32	5	5	56
	8-60	---	---	20-30	1.25-1.40	0.6-2	0.13-0.16	3.0-5.9	0.0-0.5	.32	.32			
368AC:														
KINNEAR	0-10	---	---	20-35	1.15-1.25	0.6-2	0.14-0.16	3.0-6.0	0.5-1.0	.32	.32	5	5	56
	10-60	---	---	15-27	1.25-1.35	0.6-2	0.14-0.16	0.0-2.9	0.0-0.5	.37	.37			
LOSTWELLS	0-8	---	---	20-30	1.15-1.25	0.6-2	0.11-0.16	3.0-5.9	0.5-1.0	.32	.32	5	5	56
	8-60	---	---	20-30	1.25-1.40	0.6-2	0.13-0.16	3.0-5.9	0.0-0.5	.32	.32			
368B:														
KINNEAR	0-10	---	---	20-35	1.15-1.25	0.6-2	0.14-0.16	3.0-6.0	0.5-1.0	.32	.32	5	5	56
	10-60	---	---	15-27	1.25-1.35	0.6-2	0.14-0.16	0.0-2.9	0.0-0.5	.37	.37			
LOSTWELLS	0-8	---	---	20-30	1.15-1.25	0.6-2	0.11-0.16	3.0-5.9	0.5-1.0	.32	.32	5	5	56
	8-60	---	---	20-30	1.25-1.40	0.6-2	0.13-0.16	3.0-5.9	0.0-0.5	.32	.32			
371A:														
GREYBULL	0-10	---	---	27-35	1.15-1.25	0.2-0.6	0.19-0.21	3.0-5.9	0.5-1.0	.37	.37	3	4L	86
	10-21	---	---	27-35	1.25-1.35	0.2-0.6	0.19-0.21	3.0-5.9	0.0-0.5	.43	.43			
	21-31	---	---	---	---	---	---	---	---	---	---			
PERSAYO	0-1	---	---	27-35	1.35-1.45	0.2-0.6	0.15-0.17	3.0-5.9	0.5-1.0	.37	.37	2	4L	86
	1-10	---	---	20-35	1.25-1.35	0.2-0.6	0.17-0.19	3.0-5.9	0.0-0.5	.37	.37			
	10-20	---	---	---	---	0.06-0.2	---	---	---	---	---			
371AD:														
GREYBULL	0-10	---	---	27-35	1.15-1.25	0.2-0.6	0.19-0.21	3.0-5.9	0.5-1.0	.37	.37	3	4L	86
	10-21	---	---	27-35	1.25-1.35	0.2-0.6	0.19-0.21	3.0-5.9	0.0-0.5	.43	.43			
	21-31	---	---	---	---	---	---	---	---	---	---			

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Table J1b. - Physical Properties of the Soils - Continued

Big Horn County Area, Wyoming

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
371AD:														
PERSAYO	0-1	---	---	27-35	1.35-1.45	0.2-0.6	0.15-0.17	3.0-5.9	0.5-1.0	.37	.37	2	4L	86
	1-10	---	---	20-35	1.25-1.35	0.2-0.6	0.17-0.19	3.0-5.9	0.0-0.5	.37	.37			
	10-20	---	---	---	---	0.06-0.2	---	---	---	---	---			
372CD:														
WORLAND	0-3	---	---	10-18	1.25-1.35	2-6	0.11-0.13	0.0-2.9	0.5-1.0	.24	.24	3	3	86
	3-32	---	---	10-18	1.35-1.50	2-6	0.11-0.13	0.0-2.9	0.0-0.5	.32	.32			
	32-42	---	---	---	---	---	---	---	---	---	---			
PERSAYO	0-2	---	---	27-35	1.35-1.45	0.2-0.6	0.15-0.17	3.0-5.9	0.5-1.0	.37	.37	2	4L	86
	2-12	---	---	20-35	1.25-1.35	0.2-0.6	0.17-0.19	3.0-5.9	0.0-0.5	.37	.37			
	12-22	---	---	---	---	---	---	---	---	---	---			
409A:														
BAROID, WET	0-2	---	---	5-15	1.25-1.35	2-6	0.05-0.07	0.0-2.9	0.5-1.0	.28	.28	5	3	86
	2-60	---	---	5-15	1.40-1.50	6-20	0.04-0.07	0.0-2.9	0.0-0.5	.28	.28			
GLENTON, WET	0-1	---	---	5-18	1.25-1.35	2-6	0.09-0.11	0.0-2.9	0.4-1.0	.24	.24	5	3	86
	1-60	---	---	5-18	1.30-1.50	2-6	0.09-0.11	0.0-2.9	0.0-0.5	.24	.24			
471CE:														
BRIBUTTE	0-2	---	---	35-60	1.10-1.20	0.06-0.2	0.10-0.14	9.0-12.0	0.5-1.0	.32	.32	2	4	86
	2-12	---	---	35-60	1.20-1.30	0.06-0.2	0.10-0.14	6.0-8.9	0.0-0.5	.37	.37			
	12-16	---	---	---	---	---	---	---	---	---	---			
PERSAYO	0-1	---	---	27-35	1.35-1.45	0.2-0.6	0.15-0.17	3.0-5.9	0.5-1.0	.37	.37	2	4L	86
	1-10	---	---	20-35	1.25-1.35	0.2-0.6	0.17-0.19	3.0-5.9	0.0-0.5	.37	.37			
	10-20	---	---	---	---	0.06-0.2	---	---	---	---	---			
PAVILLION	0-3	---	---	20-30	1.15-1.25	0.6-2	0.14-0.16	3.0-5.9	0.5-1.0	.32	.32	3	5	56
	3-27	---	---	20-35	1.25-1.35	0.6-2	0.14-0.16	3.0-5.9	0.0-0.5	.37	.37			
	27-37	---	---	---	---	---	---	---	---	---	---			

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Table J1b. - Physical Properties of the Soils - Continued

Big Horn County Area, Wyoming

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
471CE:														
493BD:														
EMBLEM	0-3	---	---	5-15	1.25-1.35	2-6	0.10-0.13	0.0-2.9	0.5-1.0	.28	.28	4	3	86
	3-20	---	---	20-27	1.25-1.35	0.6-2	0.16-0.18	0.0-2.9	0.0-0.5	.37	.37			
	20-60	---	---	0-10	1.45-1.55	20	0.03-0.05	0.0-2.9	0.0-0.5	.02	.10			
GRIFFY	0-2	---	---	5-15	1.25-1.35	2-6	0.11-0.13	0.0-2.9	0.5-1.0	.28	.28	5	3	86
	2-11	---	---	25-35	1.25-1.40	0.6-2	0.14-0.16	3.0-5.9	0.0-0.5	.15	.28			
	11-60	---	---	8-15	1.35-1.50	2-6	0.10-0.12	0.0-2.9	0.0-0.5	.15	.32			
PREATORSON	0-11	---	---	5-12	1.25-1.35	2-6	0.07-0.11	0.0-2.9	0.5-1.0	.15	.32	4	4	86
	11-20	---	---	18-35	1.25-1.40	0.6-2	0.04-0.06	3.0-6.0	0.0-0.5	.10	.32			
	20-60	---	---	0-5	1.45-1.60	20	0.02-0.03	0.0-2.9	0.0-0.5	.02	.15			
570AD:														
MUFF	0-3	---	---	5-15	1.25-1.35	0.6-2	0.13-0.15	0.0-2.9	0.5-1.0	.32	.32	3	3	86
	3-24	---	---	20-35	1.20-1.35	0.06-0.2	0.04-0.16	3.0-5.9	0.0-0.5	.37	.37			
	24-37	---	---	20-30	1.25-1.40	0.2-0.6	0.12-0.14	3.0-5.9	0.0-0.5	.32	.32			
	37-47	---	---	---	---	---	---	---	---	---	---			
UFFENS	0-4	---	---	15-20	1.10-1.20	0.2-0.6	0.15-0.17	0.0-2.9	0.5-1.0	.49	.49	5	4L	86
	4-15	---	---	20-30	1.15-1.25	0.2-0.6	0.15-0.17	3.0-5.9	0.0-0.5	.24	.24			
	15-60	---	---	20-30	1.15-1.25	0.2-0.6	0.07-0.11	3.0-5.9	0.0-0.5	.24	.24			
PERSAYO	0-1	---	---	27-35	1.35-1.45	0.2-0.6	0.15-0.17	3.0-5.9	0.5-1.0	.37	.37	2	4L	86
	1-10	---	---	20-35	1.25-1.35	0.2-0.6	0.17-0.19	3.0-5.9	0.0-0.5	.37	.37			
	10-20	---	---	---	---	---	---	---	---	---	---			

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Table J1b. - Physical Properties of the Soils

Washakie County Area, Wyoming

Entries under "Erosion Factors--T" apply to the entire profile. Entries under "Wind Erodibility Group" and "Wind Erodibility Index" apply only to the surface layer. Absence of an entry indicates that data wer estimated.

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
4:														
APRON	0-3	---	---	5-18	1.25-1.35	2-6	0.12-0.14	0.0-2.9	0.5-1.0	.28	.28	5	3	86
	3-60	---	---	5-18	1.35-1.45	2-6	0.12-0.14	0.0-2.9	0.0-0.5	.32	.32			
WORLAND	0-3	---	---	10-18	1.25-1.35	2-6	0.11-0.13	0.0-2.9	0.5-1.0	.24	.24	3	3	86
	3-36	---	---	10-18	1.35-1.50	2-6	0.11-0.13	0.0-2.9	0.0-0.5	.32	.32			
	36-40	---	---	---	---	---	---	---	0.0-0.5	---	---			
14:														
CLIFTERSON	0-5	---	---	20-27	1.15-1.25	2-6	0.09-0.13	0.0-2.9	0.5-1.0	.20	.32	5	6	48
	5-60	---	---	18-28	1.25-1.40	0.6-6	0.04-0.09	3.0-6.0	0.5-1.0	.10	.32			
PERSAYO	0-1	---	---	27-35	1.35-1.45	0.2-0.6	0.15-0.17	3.0-5.9	0.5-1.0	.37	.37	2	4L	86
	1-13	---	---	28-35	1.25-1.35	0.2-0.6	0.17-0.19	3.0-5.9	0.0-0.5	.37	.37			
	13-23	---	---	---	---	---	---	---	---	---	---			
LOSTWELLS	0-3	---	---	20-30	1.15-1.25	0.6-2	0.11-0.16	3.0-5.9	0.5-1.0	.32	.32	5	5	56
	3-60	---	---	20-30	1.25-1.40	0.6-2	0.13-0.16	3.0-5.9	0.0-0.5	.32	.32			
19:														
FLUVAQUENTS	---	---	---	---	---	---	---	---	---	---	---	---	---	---
31:														
GRIFFY	0-3	---	---	5-18	1.25-1.35	2-6	0.11-0.13	0.0-2.9	0.5-1.0	.28	.28	5	3	86
	3-14	---	---	25-35	1.25-1.40	0.6-2	0.14-0.16	3.0-5.9	0.0-0.5	.20	.28			
	14-60	---	---	8-20	1.40-1.60	2-6	0.10-0.12	0.0-2.9	0.0-0.5	.24	.24			
40:														

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Table J1b. - Physical Properties of the Soils - Continued

Washakie County Area, Wyoming

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
40:														
LOSTWELLS	0-8	---	---	27-35	1.15-1.25	0.2-0.6	0.19-0.21	3.0-5.9	0.5-1.0	.32	.32	5	4L	86
	8-60	---	---	20-30	1.25-1.40	0.6-2	0.13-0.16	3.0-5.9	0.0-0.5	.32	.32			
42:														
LOSTWELLS	0-3	---	---	20-30	1.15-1.25	0.6-2	0.11-0.16	3.0-5.9	0.5-1.0	.32	.32	5	5	56
	3-60	---	---	20-30	1.25-1.40	0.6-2	0.13-0.16	3.0-5.9	0.0-0.5	.32	.32			
YOUNGSTON	0-3	---	---	27-35	1.25-1.35	0.2-0.6	0.19-0.21	3.0-5.9	0.5-1.0	.37	.37	5	4L	86
	3-60	---	---	18-35	1.25-1.35	0.2-0.6	0.19-0.21	3.0-5.9	0.5-1.0	.37	.37			
UFFENS	0-1	---	---	15-25	1.20-1.30	0.6-2	0.13-0.16	0.0-2.9	0.5-1.0	.28	.28	5	4L	86
	1-22	---	---	25-35	1.20-1.30	0.2-0.6	0.05-0.10	3.0-5.9	0.5-1.0	.32	.32			
	22-60	---	---	28-35	1.20-1.35	0.2-0.6	0.05-0.10	3.0-5.9	0.0-0.5	.28	.28			
43:														
LOSTWELLS	0-8	---	---	27-35	1.15-1.25	0.6-2	0.19-0.21	3.0-5.9	0.5-1.0	.32	.32	5	4L	86
	8-60	---	---	20-30	1.25-1.35	0.6-2	0.14-0.16	3.0-5.9	0.0-0.5	.37	.37			
YOUNGSTON	0-8	---	---	27-35	1.10-1.20	0.2-0.6	0.19-0.21	3.0-5.9	0.5-1.0	.37	.37	5	4L	86
	8-60	---	---	18-35	1.20-1.30	0.2-0.6	0.19-0.21	3.0-5.9	0.0-0.5	.37	.37			
LOSTWELLS	0-3	---	---	20-30	1.15-1.25	0.6-2	0.11-0.16	3.0-5.9	0.5-1.0	.32	.32	5	5	56
	3-60	---	---	20-30	1.25-1.40	0.6-2	0.13-0.16	3.0-5.9	0.0-0.5	.32	.32			
56:														
PERSAYO	0-1	---	---	27-35	1.35-1.45	0.2-0.6	0.15-0.17	3.0-5.9	0.5-1.0	.37	.37	2	4L	86
	1-13	---	---	28-35	1.25-1.35	0.2-0.6	0.17-0.19	3.0-5.9	0.0-0.5	.37	.37			
	13-23	---	---	---	---	---	---	---	---	---	---			

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Table J1b. - Physical Properties of the Soils - Continued

Washakie County Area, Wyoming

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
56:														
MUFF	0-5	---	---	5-15	1.25-1.35	0.6-2	0.13-0.15	0.0-2.9	0.5-1.0	.24	.24	3	3	86
	5-30	---	---	20-30	1.25-1.40	0.2-0.6	0.14-0.16	3.0-5.9	0.0-0.5	.32	.32			
	30-34	---	---	---	---	---	---	---	---	---	---			
ROCK OUTCROP	---	---	---	---	---	---	---	---	---	---	---	---	---	---
57:														
PERSAYO	0-1	---	---	27-35	1.35-1.45	0.2-0.6	0.15-0.17	3.0-5.9	0.5-1.0	.37	.37	2	4L	86
	1-13	---	---	28-35	1.25-1.35	0.2-0.6	0.17-0.19	3.0-5.9	0.0-0.5	.37	.37			
	13-23	---	---	---	---	---	---	---	---	---	---			
ROCK OUTCROP	---	---	---	---	---	---	---	---	---	---	---	---	---	---
71:														
UFFENS	0-1	---	---	15-25	1.20-1.30	0.6-2	0.13-0.16	0.0-2.9	0.5-1.0	.28	.28	5	4L	86
	1-5	---	---	25-35	1.20-1.30	0.2-0.6	0.05-0.10	3.0-5.9	0.5-1.0	.32	.32			
	5-60	---	---	20-30	1.20-1.35	0.2-0.6	0.05-0.10	3.0-5.9	0.0-0.5	.28	.28			
RAIRDENT	0-2	---	---	10-18	1.25-1.35	2-6	0.13-0.15	0.0-2.9	0.5-1.0	.24	.24	4	3	86
	2-17	---	---	30-40	1.25-1.35	0.6-2	0.10-0.15	3.0-5.9	0.5-1.0	.20	.37			
	17-55	---	---	8-15	1.35-1.45	2-6	0.07-0.11	0.0-2.9	0.0-0.5	.15	.24			
	55-60	---	---	2-7	1.45-1.55	6-20	0.02-0.04	0.0-2.9	0.0-0.5	.05	.20			
GRIFFY	0-3	---	---	5-18	1.25-1.35	2-6	0.11-0.13	0.0-2.9	0.5-1.0	.28	.28	5	3	86
	3-14	---	---	25-35	1.25-1.40	0.6-2	0.14-0.16	3.0-5.9	0.0-0.5	.20	.28			
	14-60	---	---	8-20	1.40-1.60	2-6	0.07-0.12	0.0-2.9	0.0-0.5	.24	.24			
82:														
YOUNGSTON	0-9	---	---	27-35	1.25-1.35	0.2-0.6	0.19-0.21	3.0-5.9	0.5-1.0	.37	.37	5	4L	86
	9-60	---	---	18-35	1.25-1.35	0.2-0.6	0.19-0.21	3.0-5.9	0.5-1.0	.37	.37			

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Table J1b. - Physical Properties of the Soils - Continued

Washakie County Area, Wyoming

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
82:														
84:														
YOUNGSTON	0-4	---	---	27-35	1.25-1.35	0.2-0.6	0.19-0.21	3.0-5.9	0.5-1.0	.37	.37	5	4L	86
	4-60	---	---	18-30	1.25-1.35	0.2-0.6	0.19-0.21	0.0-3.0	0.5-1.0	.37	.37			
UFFENS	0-1	---	---	15-25	1.20-1.30	0.6-2	0.13-0.16	0.0-2.9	0.5-1.0	.28	.28	5	4L	86
	1-5	---	---	28-35	1.20-1.30	0.2-0.6	0.05-0.10	3.0-5.9	0.5-1.0	.32	.32			
	5-60	---	---	20-30	1.20-1.35	0.2-0.6	0.05-0.10	3.0-5.9	0.0-0.5	.28	.28			
LOSTWELLS	0-3	---	---	20-30	1.15-1.25	0.6-2	0.11-0.16	3.0-5.9	0.5-1.0	.32	.32	5	5	56
	3-60	---	---	20-30	1.25-1.40	0.6-2	0.13-0.16	3.0-5.9	0.0-0.5	.32	.32			

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Table J2. - Chemical Properties of the Soils

Big Horn County Area, Wyoming

Absence of an entry indicates that data were not estimated.

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
43A:								
LOSTWELLS	0-8	10-15	---	7.4 - 8.4	0-5	0	0.0	0-5
	8-60	5.0-20	---	7.9 - 9.0	5-10	0	0.0-4.0	5-13
45AB:								
LOSTWELLS, wet	0-8	10-15	---	8.5 - 9.6	0-5	0	8.0-16.0	13-25
	8-60	5.0-20	---	8.5 - 9.0	5-10	0	2.0-8.0	13-20
YOUNGSTON, wet	0-9	15-20	---	8.5 - 9.6	0-5	0	8.0-16.0	13-25
	9-60	15-20	---	8.5 - 9.0	5-10	0	0.0-8.0	13-20
67AC:								
UFFENS	0-4	6.0-12	---	8.4 - 9.0	15-35	0-2	8.0-16.0	0-10
	4-15	8.0-18	---	8.4 - 9.6	15-35	0-2	8.0-32.0	13-25
	15-60	8.0-18	---	7.8 - 9.0	20-40	0-2	16.0-32.0	0-10
102:								
BADLAND	0-60	---	---	---	---	---	---	---
315BD:								
PREATORSON	0-2	3.0-6.0	---	7.4 - 8.4	0	0	0.0	0
	2-11	10-15	---	7.4 - 8.4	0	0	0.0	0
	11-60	10-15	---	7.4 - 8.4	0	0	0.0-4.0	0
WORLAND	0-3	5.0-10	---	7.4 - 9.0	1-2	0-1	0.0-2.0	0-5
	3-32	5.0-10	---	7.9 - 9.0	2-5	0-1	0.0-4.0	0-5
	32-42	---	---	---	---	---	---	---
WILLWOOD	0-8	1.0-5.0	---	7.4 - 8.4	1-2	0	0.0-4.0	0
	8-60	0.0	---	7.4 - 8.4	1-2	0	0.0-4.0	0
317:								
MUDRAY VARIANT	0-2	0.0-3.0	---	7.9 - 9.0	1-5	0	8.0-32.0	13-45
	2-15	21-28	---	8.5 - 9.0	5-10	0	8.0-32.0	13-45
	15-19	---	---	---	---	---	---	---
MUFF	0-3	5.0-15	---	7.4 - 8.4	0-5	0-4	2.0-4.0	0-5
	3-24	10-20	---	8.5 - 9.0	4-15	0-4	4.0-8.0	13-30
	24-37	10-15	---	8.5 - 9.0	4-15	0-4	4.0-8.0	5-20
	37-47	---	---	---	---	---	---	---
BRIBUTTE	0-3	20-40	---	8.5 - 9.0	5-15	3-10	2.0-16.0	15-35
	3-12	20-40	---	8.5 - 9.0	5-15	3-10	2.0-16.0	15-35
	12-22	---	---	---	---	---	---	---

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Table J2. - Chemical Properties of the Soils - Continued

Big Horn County Area, Wyoming

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
351AC:								
LOSTWELLS, ALKALI	0-3	15-20	---	8.4 - 9.6	2-15	2-6	2.0-8.0	13-25
	3-60	5.0-20	---	8.4 - 9.6	2-15	2-6	2.0-8.0	13-25
367AC:								
RAIRDENT	0-2	10-15	---	7.4 - 8.4	2-5	0	2.0-4.0	0
	2-60	10-15	---	7.4 - 8.4	10-15	5-10	2.0-8.0	3-13
UFFENS	0-4	6.0-12	---	8.4 - 9.6	15-35	0-2	8.0-32.0	20-40
	4-15	8.0-18	---	8.4 - 9.6	15-35	0-2	8.0-32.0	45-80
	15-60	8.0-18	---	8.4 - 9.6	20-40	0-2	16.0-32.0	40-60
368A:								
KINNEAR	0-10	10-15	---	7.9 - 9.0	0-5	0	0.0-4.0	0-10
	10-60	5.0-20	---	7.9 - 9.0	5-10	0	0.0-4.0	0-10
LOSTWELLS	0-8	10-15	---	7.4 - 8.4	0-5	0	0.0	0-5
	8-60	5.0-20	---	7.9 - 9.0	5-10	0	0.0-4.0	5-13
368AC:								
KINNEAR	0-10	10-15	---	7.9 - 9.0	---	---	0.0-4.0	---
	10-60	5.0-20	---	7.9 - 9.0	---	---	0.0-4.0	---
LOSTWELLS	0-8	10-15	---	7.4 - 8.4	0-5	0	0.0	0-5
	8-60	5.0-20	---	7.9 - 9.0	5-10	0	0.0-4.0	5-13
368B:								
KINNEAR	0-10	10-15	---	7.9 - 9.0	---	---	0.0-4.0	---
	10-60	5.0-20	---	7.9 - 9.0	---	---	0.0-4.0	---
LOSTWELLS	0-8	10-15	---	7.4 - 8.4	0-5	0	0.0	0-5
	8-60	5.0-20	---	7.9 - 9.0	5-10	0	0.0-4.0	5-13
371A:								
GREYBULL	0-10	10-20	---	7.9 - 8.4	0-10	0	2.0-4.0	0
	10-21	15-25	---	7.9 - 9.0	5-15	0-5	2.0-4.0	0-10
	21-31	---	---	---	---	---	---	---
PERSAYO	0-1	5.0-15	---	7.9 - 9.0	5-10	0-5	0.0-8.0	0-10
	1-10	5.0-15	---	7.4 - 9.0	5-10	0-5	0.0-8.0	0-10
	10-20	---	---	---	---	---	---	---
371AD:								
GREYBULL	0-10	10-20	---	7.9 - 8.4	0-10	0	2.0-4.0	0
	10-21	15-25	---	7.9 - 9.0	5-15	0-5	2.0-4.0	0-10
	21-31	---	---	---	---	---	---	---

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Table J2. - Chemical Properties of the Soils - Continued

Big Horn County Area, Wyoming

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
371AD:								
PERSAYO	0-1	5.0-15	---	7.9 - 9.0	5-10	0-5	0.0-8.0	0-10
	1-10	5.0-15	---	7.4 - 9.0	5-10	0-5	0.0-8.0	0-10
	10-20	---	---	---	---	---	---	---
372CD:								
WORLAND	0-3	5.0-10	---	7.4 - 9.0	1-2	0-1	0.0-2.0	0
	3-32	5.0-10	---	7.9 - 9.0	2-5	0-1	0.0-4.0	0-5
	32-42	---	---	---	---	---	---	---
PERSAYO	0-2	5.0-15	---	7.9 - 9.0	5-10	0-5	0.0-8.0	0-10
	2-12	5.0-15	---	7.4 - 9.0	5-10	0-5	0.0-8.0	0-10
	12-22	---	---	---	---	---	---	---
409A:								
BAROID, WET	0-2	5.0-10	---	8.5 - 9.0	5-10	0-4	8.0-16.0	13-20
	2-60	3.0-10	---	7.9 - 9.0	5-10	0-4	8.0-16.0	0-10
GLENTON, WET	0-1	5.0-10	---	8.5 - 9.6	5-10	0-4	8.0-16.0	13-20
	1-60	5.0-10	---	8.5 - 9.6	5-10	0-4	4.0-8.0	13-20
471CE:								
BRIBUTTE	0-2	20-40	---	8.4 - 9.6	5-15	3-10	2.0-16.0	15-35
	2-12	20-40	---	8.4 - 9.6	5-15	3-10	2.0-16.0	15-35
	12-16	---	---	---	---	---	---	---
PERSAYO	0-1	5.0-15	---	7.9 - 9.0	5-10	0-5	0.0-8.0	0-10
	1-10	5.0-15	---	7.4 - 9.0	5-10	0-5	0.0-8.0	0-10
	10-20	---	---	---	---	---	---	---
PAVILLION	0-3	10-20	---	7.4 - 9.0	5-10	0-5	0.0-4.0	0-10
	3-27	10-20	---	7.4 - 9.0	5-15	0-5	0.0-4.0	0-10
	27-37	---	---	---	---	---	---	---
493BD:								
EMBLEM	0-3	5.0-10	---	7.4 - 8.4	0-5	0	0.0	0
	3-20	10-20	---	7.4 - 9.0	4-15	0	0.0-4.0	0-5
	20-60	1.0-5.0	---	7.9 - 9.0	0	0	0.0-4.0	0-10
GRIFFY	0-2	5.0-10	---	7.4 - 8.4	0-5	0	0.0	0
	2-11	10-20	---	7.4 - 8.4	0-5	0	0.0-2.0	0
	11-60	5.0-10	---	7.9 - 9.0	4-15	0	0.0-4.0	0-5
PREATORSON	0-11	3.0-6.0	---	7.4 - 8.4	0	0	0.0	0
	11-20	10-15	---	7.4 - 8.4	0	0	0.0	0
	20-60	1.0-5.0	---	7.9 - 8.4	0	0	0.0-4.0	0-5

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Table J2. - Chemical Properties of the Soils - Continued

Big Horn County Area, Wyoming

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
570AD:								
MUFF	0-3	5.0-15	---	7.4 - 8.4	0-5	0-4	2.0-4.0	0-5
	3-24	10-20	---	8.4 - 9.6	4-15	0-4	4.0-8.0	13-30
	24-37	10-15	---	8.4 - 9.6	4-15	0-4	4.0-8.0	5-20
	37-47	---	---	---	---	---	---	---
UFFENS	0-4	6.0-12	---	8.4 - 9.6	15-35	0-2	8.0-16.0	20-40
	4-15	8.0-18	---	8.4 - 9.6	15-35	0-2	8.0-16.0	45-80
	15-60	8.0-18	---	8.4 - 9.6	20-40	0-2	16.0-32.0	40-60
PERSAYO	0-1	5.0-15	---	7.9 - 9.0	5-10	0-5	0.0-8.0	0-10
	1-10	5.0-15	---	7.4 - 9.0	5-10	0-5	0.0-8.0	0-5
	10-20	---	---	---	---	---	---	---

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Table J2. - Chemical Properties of the Soils

Washakie County Area, Wyoming

Absence of an entry indicates that data were not estimated.

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
4:								
APRON	0-3	5.0-10	---	7.4 - 8.4	2-10	0	0.0-2.0	0
	3-60	5.0-10	---	7.9 - 9.0	2-10	0	0.0-2.0	0
WORLAND	0-3	5.0-10	---	7.4 - 9.0	1-2	0-1	0.0-2.0	0
	3-36	5.0-10	---	7.9 - 9.0	2-5	0-1	0.0-4.0	0-5
	36-40	---	---	---	---	---	---	---
14:								
CLIFTERSON	0-5	10-15	---	7.9 - 9.0	1-10	0	0.0-2.0	0
	5-60	15-20	---	7.9 - 9.0	4-12	0	0.0-2.0	0
PERSAYO	0-1	15-20	---	7.9 - 9.0	1-10	0	0.0-8.0	0-3
	1-13	10-20	---	7.4 - 9.0	5-14	0	0.0-8.0	0-3
	13-23	---	---	---	---	---	---	---
LOSTWELLS	0-3	10-15	---	7.4 - 8.4	0-5	0	0.0	0-5
	3-60	5.0-20	---	7.9 - 9.0	5-10	0	0.0-4.0	5-13
19:								
FLUVAQUENTS	---	---	---	---	---	---	---	---
31:								
GRIFFY	0-3	5.0-10	---	7.4 - 7.8	0-5	0	0.0	0
	3-14	10-20	---	7.4 - 8.4	0-5	0	0.0-2.0	0
	14-60	5.0-10	---	7.9 - 9.0	0-5	0	0.0-4.0	0
40:								
LOSTWELLS	0-8	15-20	---	7.4 - 8.4	0-5	0	0.0	0-5
	8-60	5.0-20	---	7.9 - 9.0	5-10	0	0.0-4.0	5-13
42:								
LOSTWELLS	0-3	10-15	---	7.4 - 8.4	0-5	0	0.0	0-5
	3-60	5.0-20	---	7.9 - 9.0	5-10	0	0.0-4.0	5-13
YOUNGSTON	0-3	10-20	---	7.4 - 8.4	4-15	0-4	0.0-2.0	0-12
	3-60	5.0-20	---	7.9 - 9.0	4-15	0-4	2.0-8.0	0-12
UFFENS	0-1	8.0-15	---	7.4 - 9.0	0-1	0-4	4.0-8.0	5-13
	1-22	15-20	---	8.5 - 9.0	3-10	0-4	16.0-32.0	13-30
	22-60	10-15	---	7.9 - 9.0	5-15	0-4	16.0-32.0	13-30
43:								
LOSTWELLS	0-8	15-20	---	9.1 - 11.0	5-10	0	8.0-16.0	3-13
	8-60	10-15	---	8.5 - 9.0	5-10	0	2.0-8.0	0-5

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Table J2. - Chemical Properties of the Soils - Continued

Washakie County Area, Wyoming

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
43:								
YOUNGSTON	0-8	15-20	---	8.5 - 9.0	4-15	0-4	8.0-16.0	3-13
	8-60	10-20	---	8.5 - 9.0	4-15	0-4	0.0-8.0	0-13
LOSTWELLS	0-3	10-15	---	7.4 - 8.4	0-5	0	0.0	0-5
	3-60	5.0-20	---	7.9 - 9.0	5-10	0	0.0-4.0	5-13
56:								
PERSAYO	0-1	15-20	---	7.9 - 9.0	5-14	0-4	0.0-8.0	0-3
	1-13	10-20	---	7.9 - 9.0	5-14	0-4	0.0-8.0	3-13
	13-23	---	---	---	---	---	---	---
MUFF	0-5	5.0-15	---	7.4 - 8.4	0-5	0-4	2.0-4.0	0-5
	5-30	10-15	---	8.5 - 9.0	4-15	0-4	4.0-8.0	5-20
	30-34	---	---	---	---	---	---	---
ROCK OUTCROP	---	---	---	---	---	---	---	---
57:								
PERSAYO	0-1	15-20	---	7.9 - 9.0	5-14	0-4	0.0-8.0	0-3
	1-13	10-20	---	7.4 - 9.0	5-14	0-4	0.0-8.0	3-13
	13-23	---	---	---	---	---	---	---
ROCK OUTCROP	---	---	---	---	---	---	---	---
71:								
UFFENS	0-1	10-15	---	7.4 - 9.0	0-1	0-5	4.0-8.0	3-13
	1-5	15-20	---	8.5 - 9.0	3-10	0-5	16.0-32.0	13-30
	5-60	10-15	---	8.5 - 9.0	5-14	0-5	16.0-32.0	13-30
RAIRDENT	0-2	5.0-10	---	7.4 - 8.4	5-10	0-5	2.0-4.0	1-10
	2-17	15-20	---	7.4 - 8.4	5-10	5-10	2.0-8.0	3-13
	17-55	4.0-8.0	---	7.4 - 8.4	5-10	5-10	2.0-8.0	3-13
	55-60	1.0-5.0	---	7.4 - 8.4	5-10	0-5	2.0-8.0	3-13
GRIFFY	0-3	5.0-10	---	7.4 - 8.4	0-5	0	0.0	0
	3-14	10-20	---	7.4 - 8.4	0-5	0	0.0-2.0	0
	14-60	5.0-10	---	7.9 - 9.0	0-5	0	0.0-4.0	0
82:								
YOUNGSTON	0-9	10-20	---	7.4 - 8.4	4-15	0-4	0.0-2.0	0-12
	9-60	5.0-20	---	7.9 - 9.0	4-15	0-4	2.0-8.0	0-12
84:								
YOUNGSTON	0-4	10-20	---	7.4 - 8.4	4-15	0-4	0.0-2.0	0-12
	4-60	5.0-20	---	7.9 - 9.0	4-15	0-4	2.0-8.0	0-12

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Table J2. - Chemical Properties of the Soils - Continued

Washakie County Area, Wyoming

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
84:								
UFFENS	0-1	8.0-15	---	7.4 - 9.0	0-1	0-4	4.0-8.0	3-13
	1-5	13-20	---	8.5 - 9.0	3-10	0-4	16.0-32.0	13-30
	5-60	10-15	---	7.9 - 9.0	5-14	0-4	16.0-32.0	13-30
LOSTWELLS	0-3	10-15	---	7.4 - 8.4	0-5	0	0.0	0-5
	3-60	5.0-20	---	7.9 - 9.0	5-10	0	0.0-4.0	5-13

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Table WMS-1. - Water Management

Big Horn County Area, Wyoming

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value colu range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Addit limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Pond Reservoir Areas		Embankments, Dikes, and Levees		Aquifer-Fed Excavated Ponds	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
43A:							
LOSTWELLS	85	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.61	Depth to water	1.00
45AB:							
LOSTWELLS, wet	35	Somewhat limited		Very limited		Somewhat limited	
		Seepage	0.70	Piping	1.00	Slow refill	0.30
				Depth to saturated zone	0.84	Cutbanks cave	0.10
						Depth to water	0.07
				Salinity	0.50		
YOUNGSTON, wet	35	Somewhat limited		Very limited		Somewhat limited	
		Seepage	0.03	Piping	1.00	Slow refill	0.97
				Depth to saturated zone	0.84	Cutbanks cave	0.10
						Depth to water	0.07
				Salinity	0.50		
67AC:							
UFFENS	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.03	Salinity	1.00	Depth to water	1.00
				Piping	1.00		
102:							
BADLAND	90	Very limited		Not Rated		Not Rated	
		Depth to bedrock	1.00				
		Slope	1.00				
315BD:							
PREATORSON	30	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Seepage	0.50	Depth to water	1.00
		Slope	0.05				
WORLAND	25	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.81	Depth to water	1.00
		Depth to bedrock	0.08	Seepage	0.03		
		Slope	0.06				
WILLWOOD	20	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.38	Depth to water	1.00
317:							
MUDRAY VARIANT	40	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Thin layer	1.00	Depth to water	1.00
				Hard to pack	1.00		
				Salinity	1.00		

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Table WMS-1. - Water Management - Continued

Big Horn County Area, Wyoming

Map Symbol and Soil Name	Pct of Map Unit	Pond Reservoir Areas		Embankments, Dikes, and Levees		Aquifer-Fed Excavated Ponds	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
317:							
MUFF	25	Somewhat limited		Very limited		Very limited	
		Seepage	0.03	Piping	1.00	Depth to water	1.00
		Depth to bedrock	0.02	Thin layer	0.61		
BRIBUTTE	15	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.78	Thin layer	1.00	Depth to water	1.00
				Hard to pack	1.00		
				Salinity	0.03		
351AC:							
LOSTWELLS, ALKALI	85	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Depth to water	1.00
367AC:							
RAIRDENT	60	Somewhat limited		Very limited		Very limited	
		Seepage	0.70	Piping	1.00	Depth to water	1.00
UFFENS	35	Somewhat limited		Very limited		Very limited	
		Seepage	0.03	Salinity	1.00	Depth to water	1.00
				Piping	1.00		
368A:							
KINNEAR	40	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.02	Depth to water	1.00
LOSTWELLS	40	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.61	Depth to water	1.00
368AC:							
KINNEAR	40	Somewhat limited		Not limited		Very limited	
		Seepage	0.70			Depth to water	1.00
LOSTWELLS	40	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.61	Depth to water	1.00
368B:							
KINNEAR	40	Somewhat limited		Not limited		Very limited	
		Seepage	0.70			Depth to water	1.00
LOSTWELLS	40	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.61	Depth to water	1.00
371A:							
GREYBULL	50	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.42	Thin layer	1.00	Depth to water	1.00
		Seepage	0.03	Piping	0.15		

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Table WMS-1. - Water Management - Continued

Big Horn County Area, Wyoming

Map Symbol and Soil Name	Pct of Map Unit	Pond Reservoir Areas		Embankments, Dikes, and Levees		Aquifer-Fed Excavated Ponds	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
371A:							
PERSAYO	25	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.84	Thin layer	1.00	Depth to water	1.00
				Piping	0.87		
371AD:							
GREYBULL	50	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.42	Thin layer	1.00	Depth to water	1.00
		Seepage	0.03	Piping	0.15		
		Slope	0.03				
PERSAYO	30	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.84	Thin layer	1.00	Depth to water	1.00
		Slope	0.05	Piping	0.87		
372CD:							
WORLAND	45	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.81	Depth to water	1.00
		Slope	0.08	Seepage	0.03		
		Depth to bedrock	0.08				
PERSAYO	30	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.78	Thin layer	1.00	Depth to water	1.00
		Slope	0.32	Piping	0.86		
409A:							
BAROID, WET	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Cutbanks cave	1.00
				Depth to saturated zone	0.84	Salty water	0.78
						Depth to water	0.07
				Salinity	0.50		
GLENTON, WET	30	Very limited		Very limited		Very limited	
		Seepage	1.00	Piping	1.00	Cutbanks cave	1.00
				Depth to saturated zone	0.84	Depth to water	0.07
						Salty water	0.06
				Salinity	0.50		
471CE:							
BRIBUTTE	30	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.78	Thin layer	1.00	Depth to water	1.00
		Slope	0.64	Hard to pack	1.00		
				Salinity	0.03		
PERSAYO	30	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.84	Thin layer	1.00	Depth to water	1.00
		Slope	0.32	Piping	0.87		

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Table WMS-1. - Water Management - Continued

Big Horn County Area, Wyoming

Map Symbol and Soil Name	Pct of Map Unit	Pond Reservoir Areas		Embankments, Dikes, and Levees		Aquifer-Fed Excavated Ponds	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
471CE:							
PAVILLION	15	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Thin layer	0.93	Depth to water	1.00
		Depth to bedrock	0.19	Piping	0.02		
		Slope	0.01				
493BD:							
EMBLEM	40	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.65	Depth to water	1.00
				Piping	0.02		
GRIFFY	25	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.03	Depth to water	1.00
PREATORSON	20	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.82	Depth to water	1.00
		Slope	0.06				
570AD:							
MUFF	35	Somewhat limited		Very limited		Very limited	
		Seepage	0.03	Piping	1.00	Depth to water	1.00
		Depth to bedrock	0.02	Thin layer	0.61		
UFFENS	25	Somewhat limited		Very limited		Very limited	
		Seepage	0.03	Salinity	1.00	Depth to water	1.00
				Piping	1.00		
PERSAYO	20	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.84	Thin layer	1.00	Depth to water	1.00
		Slope	0.13	Piping	0.87		

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Table WMS-1. - Water Management

Washakie County Area, Wyoming

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value colu range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Addit limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Pond Reservoir Areas		Embankments, Dikes, and Levees		Aquifer-Fed Excavated Ponds	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
4:							
APRON	45	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.02	Depth to water	1.00
WORLAND	30	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Thin layer	0.66	Depth to water	1.00
		Depth to bedrock	0.03	Seepage	0.03		
14:							
CLIFTERSON	45	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.31	Depth to water	1.00
		Slope	0.05				
PERSAYO	25	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.74	Thin layer	1.00	Depth to water	1.00
		Slope	0.25	Piping	0.85		
LOSTWELLS	10	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.61	Depth to water	1.00
19:							
FLUVAQUENTS	85	Not limited		Not Rated		Not Rated	
31:							
GRIFFY	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.03	Depth to water	1.00
40:							
LOSTWELLS	85	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.61	Depth to water	1.00
42:							
LOSTWELLS	40	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.61	Depth to water	1.00
YOUNGSTON	25	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.03	Piping	0.60	Depth to water	1.00
UFFENS	10	Somewhat limited		Very limited		Very limited	
		Seepage	0.03	Salinity	1.00	Depth to water	1.00
				Piping	1.00		
43:							

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Table WMS-1. - Water Management - Continued

Washakie County Area, Wyoming

Map Symbol and Soil Name	Pct of Map Unit	Pond Reservoir Areas		Embankments, Dikes, and Levees		Aquifer-Fed Excavated Ponds	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
43:							
LOSTWELLS	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Seepage	0.70	Depth to saturated zone	0.84	Slow refill	0.30
				Salinity	0.50	Cutbanks cave	0.10
				Piping	0.40	Depth to water	0.07
YOUNGSTON	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Seepage	0.03	Depth to saturated zone	0.84	Slow refill	0.97
				Piping	0.52	Cutbanks cave	0.10
				Salinity	0.50	Depth to water	0.07
LOSTWELLS	25	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.61	Depth to water	1.00
56:							
PERSAYO	50	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.74	Thin layer	1.00	Depth to water	1.00
				Piping	1.00		
MUFF	15	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.12	Piping	1.00	Depth to water	1.00
		Seepage	0.03	Thin layer	0.87		
ROCK OUTCROP	10	Not Rated		Not Rated		Not Rated	
57:							
PERSAYO	40	Somewhat limited		Very limited		Very limited	
		Depth to bedrock	0.74	Thin layer	1.00	Depth to water	1.00
		Slope	0.41	Piping	1.00		
ROCK OUTCROP	40	Not Rated		Not Rated		Not Rated	
71:							
UFFENS	40	Somewhat limited		Very limited		Very limited	
		Seepage	0.03	Salinity	1.00	Depth to water	1.00
				Piping	1.00		
RAIRDENT	30	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Piping	0.40	Depth to water	1.00
				Seepage	0.19		
GRIFFY	10	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Seepage	0.03	Depth to water	1.00
82:							
YOUNGSTON	85	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.03	Piping	0.60	Depth to water	1.00

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Table WMS-1. - Water Management - Continued

Washakie County Area, Wyoming

Map Symbol and Soil Name	Pct of Map Unit	Pond Reservoir Areas		Embankments, Dikes, and Levees		Aquifer-Fed Excavated Ponds	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
84:							
YOUNGSTON	40	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.03	Piping	0.96	Depth to water	1.00
UFFENS	25	Somewhat limited		Very limited		Very limited	
		Seepage	0.03	Salinity	1.00	Depth to water	1.00
				Piping	1.00		
LOSTWELLS	15	Somewhat limited		Somewhat limited		Very limited	
		Seepage	0.70	Piping	0.61	Depth to water	1.00

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RUSLE Related Attributes

Big Horn County Area, Wyoming

Map Unit Symbol and Map Unit Name	% Comp-osition	Component	Hydrologic Group	Kw	T Factor	Representative Value		
						% Sand	% Silt	% Clay
43A: LOSTWELLS CLAY LOAM, 0 TO 3 PERCENT SLOPES	85	LOSTWELLS	B	.32	5	57.0	18.0	25.0
45AB: LOSTWELLS-YOUNGSTON SOILS, WET, 0 TO 6 PERCENT SLOPES	35	LOSTWELLS, wet	C	.32	5	35.4	33.6	31.0
	35	YOUNGSTON, wet	C	.37	5	35.4	33.6	31.0
67AC: UFFENS SILTY CLAY LOAM, 0 TO 10 PERCENT SLOPES	85	UFFENS	B	.49	5	43.0	39.5	17.5
102: BADLAND	90	BADLAND	D	---	---	---	---	---
315BD: PREATORSON-WORLAND-WILLWOOD ASSOCIATION, STEEP	30	PREATORSON	B	.15	5	69.7	21.8	8.5
	25	WORLAND	C	.24	3	66.8	19.2	14.0
	20	WILLWOOD	A	.10	5	66.9	23.1	10.0
317: MUDRAY VARIANT-MUFF-BRIBUTTE COMPLEX, 0 TO 10 PERCENT SLOPES	40	MUDRAY VARIANT	D	.28	1	67.7	22.3	10.0
	25	MUFF	C	.32	3	68.5	21.5	10.0
	15	BRIBUTTE	D	.32	2	32.2	28.8	39.0
351AC: LOSTWELLS CLAY LOAM, ALKALI, 0 TO 10 PERCENT SLOPES	85	LOSTWELLS, ALKALI	C	.32	5	35.4	33.6	31.0
367AC: RAIRDENT-UFFENS LOAMS, 0 TO 10 PERCENT SLOPES	60	RAIRDENT	B	.32	5	43.0	39.5	17.5

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RUSLE Related Attributes - Continued

Big Horn County Area, Wyoming

Map Unit Symbol and Map Unit Name	% Comp-osition	Component	Hydrologic Group	Kw	T Factor	Representative Value		
						% Sand	% Silt	% Clay
367AC: RAIRDENT-UFFENS LOAMS, 0 TO 10 PERCENT SLOPES	35	UFFENS	C	.49	5	43.0	39.5	17.5
368A: LOSTWELLS-KINNEAR SANDY CLAY LOAMS, 0 TO 3 PERCENT SLOPES	40	KINNEAR	B	.32	5	55.1	17.4	27.5
	40	LOSTWELLS	B	.32	5	57.0	18.0	25.0
368AC: LOSTWELLS-KINNEAR SANDY CLAY LOAMS, 0 TO 10 PERCENT SLOPES	40	KINNEAR	B	.32	5	55.1	17.4	27.5
	40	LOSTWELLS	B	.32	5	57.0	18.0	25.0
368B: LOSTWELLS-KINNEAR SANDY CLAY LOAMS, 3 TO 6 PERCENT SLOPES	40	KINNEAR	B	.32	5	55.1	17.4	27.5
	40	LOSTWELLS	B	.32	5	57.0	18.0	25.0
371A: GREYBULL-PERSAYO CLAY LOAMS, 0 TO 3 PERCENT SLOPES	50	GREYBULL	C	.37	3	35.4	33.6	31.0
	25	PERSAYO	D	.37	2	35.4	33.6	31.0
371AD: GREYBULL-PERSAYO ASSOCIATION, ROLLING	50	GREYBULL	C	.37	3	35.4	33.6	31.0
	30	PERSAYO	D	.37	2	35.4	33.6	31.0
372CD: WORLAND-PERSAYO COMPLEX, 2 TO 45 PERCENT SLOPES	45	WORLAND	C	.24	3	66.8	19.2	14.0
	30	PERSAYO	D	.37	2	35.4	33.6	31.0

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RUSLE Related Attributes - Continued

Big Horn County Area, Wyoming

Map Unit Symbol and Map Unit Name	% Comp-osition	Component	Hydrologic Group	Kw	T Factor	Representative Value		
						% Sand	% Silt	% Clay
409A: GLENTON-BAROID SANDY LOAMS, WET, 0 TO 3 PERCENT SLOPES	30	BAROID, WET	C	.28	5	66.9	23.1	10.0
	30	GLENTON, WET	C	.24	5	65.7	22.8	11.5
471CE: BRIBUTTE-PERSAYO-PAVILLION COMPLEX, 3 TO 60 PERCENT SLOPES	30	BRIBUTTE	D	.32	2	23.3	29.2	47.5
	30	PERSAYO	D	.37	2	35.4	33.6	31.0
	15	PAVILLION	C	.32	3	57.0	18.0	25.0
493BD: EMBLEM-GRIFFY-PREATORSON COMPLEX, 1 TO 30 PERCENT SLOPES	40	EMBLEM	B	.28	4	66.9	23.1	10.0
	25	GRIFFY	B	.28	5	66.9	23.1	10.0
	20	PREATORSON	C	.15	4	69.7	21.8	8.5
570AD: MUFF-UFFENS-PERSAYO COMPLEX, 0 TO 30 PERCENT SLOPES	35	MUFF	C	.32	3	68.5	21.5	10.0
	25	UFFENS	C	.49	5	43.0	39.5	17.5
	20	PERSAYO	D	.37	2	35.4	33.6	31.0

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RUSLE Related Attributes

Washakie County Area, Wyoming

Map Unit Symbol and Map Unit Name	% Comp-osition	Component	Hydrologic Group	Kw	T Factor	Representative Value		
						% Sand	% Silt	% Clay
4: APRON-WORLAND SANDY LOAMS, 1 TO 12 PERCENT SLOPES	45	APRON	B	.28	5	65.3	23.2	11.5
	30	WORLAND	C	.24	3	66.8	19.2	14.0
14: CLIFTERSON-PERSAYO ASSOCIATION	45	CLIFTERSON	B	.20	5	59.6	17.9	22.5
	25	PERSAYO	D	.37	2	35.4	33.6	31.0
	10	LOSTWELLS	B	.32	5	57.0	18.0	25.0
19: FLUVAQUENTS	85	FLUVAQUENTS	D	---	---	---	---	---
31: GRIFFY SANDY LOAM, 1 TO 10 PERCENT SLOPES	85	GRIFFY	B	.28	5	65.3	23.2	11.5
40: LOSTWELLS CLAY LOAM, 0 TO 3 PERCENT SLOPES	85	LOSTWELLS	B	.32	5	35.4	33.6	31.0
42: LOSTWELLS-YOUNGSTON COMPLEX, 1 TO 10 PERCENT SLOPES	40	LOSTWELLS	B	.32	5	57.0	18.0	25.0
	25	YOUNGSTON	B	.37	5	20.0	49.0	31.0
	10	UFFENS	B	.28	5	42.1	37.9	20.0
43: LOSTWELLS-YOUNGSTON COMPLEX, WET, 0 TO 6 PERCENT SLOPES	30	LOSTWELLS	C	.32	5	35.4	33.6	31.0
	30	YOUNGSTON	C	.37	5	20.0	49.0	31.0

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RUSLE Related Attributes - Continued

Washakie County Area, Wyoming

Map Unit Symbol and Map Unit Name	% Comp-osition	Component	Hydrologic Group	Kw	T Factor	Representative Value		
						% Sand	% Silt	% Clay
43: LOSTWELLS-YOUNGSTON COMPLEX, WET, 0 TO 6 PERCENT SLOPES	25	LOSTWELLS	B	.32	5	57.0	18.0	25.0
56: PERSAYO-MUFF-ROCK OUTCROP ASSOCIATION	50	PERSAYO	D	.37	2	35.4	33.6	31.0
	15	MUFF	C	.24	3	63.5	26.5	10.0
	10	ROCK OUTCROP	D	---	---	---	---	---
57: PERSAYO-ROCK OUTCROP ASSOCIATION	40	PERSAYO	D	.37	2	35.4	33.6	31.0
	40	ROCK OUTCROP	D	---	---	---	---	---
71: UFFENS-RAIRDENT COMPLEX, 1 TO 10 PERCENT SLOPES	40	UFFENS	C	.28	5	42.1	37.9	20.0
	30	RAIRDENT	B	.24	4	66.1	19.9	14.0
	10	GRIFFY	B	.28	5	65.3	23.2	11.5
82: YOUNGSTON SILTY CLAY LOAM, 0 TO 3 PERCENT SLOPES	85	YOUNGSTON	C	.37	5	20.0	49.0	31.0
84: YOUNGSTON-UFFENS-LOSTWELLS COMPLEX, 1 TO 10 PERCENT SLOPES	40	YOUNGSTON	C	.37	5	20.0	49.0	31.0
	25	UFFENS	C	.28	5	42.1	37.9	20.0
	15	LOSTWELLS	B	.32	5	57.0	18.0	25.0

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Table Y. - Prime Farmland

Washakie County Area, Wyoming

Only the soils considered prime farmland are listed. Urban or built-up areas of the soils listed are not considered prime farmland. If a soil is prime farmla only under certain conditions, the conditions are specified in parenthesis after the soil name.

Map Symbol	Soil Name
40	LOSTWELLS CLAY LOAM, 0 TO 3 PERCENT SLOPES (Prime farmland if irrigated)
82	YOUNGSTON SILTY CLAY LOAM, 0 TO 3 PERCENT SLOPES (Prime farmland if irrigated)

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