

## Moffat County Area, CO\* -- Highly Erodible Soil Map Unit Worksheet ##

3/2/2015

## Soil Map Units

## Sorted by Map Symbol

## For Soil Survey Area - CO686

Map Symbol	Soil Map Unit Name	HEL Wind C=80	HEL Water R=35
1	Abor silty clay loam, 12 to 25 percent slopes	1	1
2	Abor silty clay loam, 25 to 65 percent slopes	1	1
3	Adderton loam, 1 to 10 percent slopes	3	3
4	Almy loam, 3 to 15 percent slopes	3	2
5	Apmay clay loam, 0 to 1 percent slopes	3	3
6	Avalon-Mack complex, 1 to 12 percent slopes	1	2
7	Avalon-Persayo, moist-Degater complex, 3 to 30 percent slopes	1	2
8	Badland	#	2#
9	Baroid-Eghelm complex, 0 to 3 percent slopes	1	3
10	Battlement fine sandy loam, 0 to 3 percent slopes	1	3
11	Battlement silt loam, saline, 0 to 3 percent slopes	1	3
12	Berlake sandy loam, 3 to 12 percent slopes	1	3
13	Berlake sandy loam, 12 to 25 percent slopes	1	2
14	Berlake-Maysprings complex, 3 to 12 percent slopes	1	3
15	Berlake-Taffom-Gretdivid complex, 10 to 20 percent slopes	1	2
16	Bilhil clay loam, 0 to 3 percent slopes	1	3
17	Binco gravelly clay loam, 15 to 45 percent slopes, very stony	1	2
18	Boltus-Beamton complex, 2 to 12 percent slopes	1	2
19	Borollic Natrargids-Borollic Haplargids-Ustic Torrifluvents complex, 0 to 20 percent slopes	1	2
20	Brownsto-Castee complex, 3 to 25 percent slopes	1	2
21	Bulkley stony loam, 15 to 30 percent slopes, very stony	3	2
22	Bulkley silty clay, 3 to 12 percent slopes	1	3
23	Bulkley silty clay, 12 to 25 percent slopes	1	2
24	Bulkley-Quilt complex, 12 to 45 percent slopes	3	2
25	Campspass fine sandy loam, 3 to 12 percent slopes	1	3
26	Campspass fine sandy loam, 12 to 25 percent slopes	1	2
27	Canlodore very cobbly loamy sand, 15 to 40 percent slopes	3	2
28	Carbol-Irigul-Rock outcrop complex, 3 to 25 percent slopes, very stony	1	2
29	Carbol-Miracle complex, 3 to 12 percent slopes	1	2
30	Carmody-Rock River-Crestman complex, 6 to 15 percent slopes	1	2
31	Castee loam, 3 to 12 percent slopes	1	2
32	Chroder sandy loam, 3 to 12 percent slopes	1	3
33	Clayburn loam, warm, 3 to 25 percent slopes	3	2
34	Clayburn-Foidel complex, 25 to 55 percent slopes, very bouldery	1	1
35	Clayburn-Youga, moist complex, 15 to 45 percent slopes	1	2
36	Clifsand-Chroder complex, 3 to 12 percent slopes	1	3

Map Symbol	Soil Map Unit Name	HEL Wind C=80	HEL Water R=35
37	Cochetopa loam, 12 to 25 percent slopes	3	2
38	Cochetopa loam, 25 to 65 percent slopes	3	1
39	Cochetopa loam, warm, 3 to 12 percent slopes	3	3
40	Cochetopa-Gothic complex, 10 to 25 percent slopes, extremely bouldery	3	3
41	Cochetopa-Gothic complex, 25 to 45 percent slopes, extremely stony	3	1
42	Cochetopa-Jerry complex, 3 to 15 percent slopes, extremely stony	3	3
43	Coldspring loam, moist, 1 to 12 percent slopes	1	2
44	Cowestglen sandy loam, 0 to 3 percent slopes	1	3
45	Coyet loamy sand, 3 to 12 percent slopes	1	3
46	Coyet loamy sand, 12 to 25 percent slopes	1	2
47	Coyet-Crestman, moist complex, 20 to 50 percent slopes	1	1
48	Crago-Pensore-Grapit association, 6 to 75 percent slopes	1	1
49	Cryoborolls, slumped, 15 to 50 percent slopes	3	2
50	Cushool fine sandy loam, 3 to 12 percent slopes	1	2
51	Cushool fine sandy loam, 12 to 25 percent slopes	1	1
52	Danavore-Waybe complex, 5 to 30 percent slopes	1	2
53	Davtone-Forsey complex, 12 to 35 percent slopes, very stony	3	2
54	Deaver-Avalon complex, 5 to 45 percent slopes	1	1
55	Deaver-Chipeta complex, 3 to 35 percent slopes	1	2
56	Debone loam, 0 to 3 percent slopes	1	3
57	Detra-Cortyzack complex, 1 to 12 percent slopes	1	3
58	Diaflats-Fondillas complex, 2 to 15 percent slopes	1	2
59	Dranyon loam, 3 to 20 percent slopes	1	2
60	Dumps, mine	#	2#
61	Ecklund-Tipperary complex, 1 to 12 percent slopes	1	2
62	Eghelm loamy fine sand, 0 to 3 percent slopes	1	3
63	Eghelm loamy sand, moist, 0 to 3 percent slopes	1	3
64	Emlin loam, 1 to 12 percent slopes	1	2
65	Emlin-Tymosling complex, 1 to 15 percent slopes, very bouldery	1	3
66	Evanot loam, 1 to 12 percent slopes	3	3
67	Evanot loam, 12 to 25 percent slopes	3	2
68	Evanot-Yamo complex, 3 to 20 percent slopes	3	2
69	Fenster-Thenipel complex, 3 to 12 percent slopes	1	2
70	Fluvaquents and Haplaquolls soils, frequently flooded	1	3
71	Flygare loam, dry, 25 to 65 percent slopes	3	1
72	Foidel loam, cool, 3 to 25 percent slopes	3	2
73	Foidel loam, 25 to 65 percent slopes	3	1
74	Foidel, moist-Flygare-Skyway, moist complex, 3 to 25 percent slopes	3	2
75	Fonce sandy loam, 1 to 8 percent slopes	1	3
76	Fonce gravelly sandy loam, 3 to 12 percent slopes, very stony	1	3
77	Forelle loam, 3 to 12 percent slopes	3	3
78	Forelle loam, 12 to 25 percent slopes	3	1

Map Symbol	Soil Map Unit Name	HEL Wind C=80	HEL Water R=35
79	Forelle-Evanot complex, 1 to 12 percent slopes	3	2
80	Forelle-Evanot complex, 12 to 25 percent slopes	3	1
81	Forelle-Obadia complex, 1 to 8 percent slopes	1	3
82	Forelle-Pinelli-Maysprings complex, 5 to 20 percent slopes	1	2
83	Forsey-Libeg complex, 3 to 25 percent slopes, very stony	1	2
84	Gebson, moist-Youga complex, 5 to 25 percent slopes, extremely stony	3	3
85	Giarch fine sandy loam, 0 to 3 percent slopes	1	3
86	Gracot-Maybell complex, 5 to 30 percent slopes	3	3
87	Gretdivid-Taffom-Abor complex, 10 to 30 percent slopes	1	2
88	Grieves loamy fine sand, 1 to 12 percent slopes	1	3
89	Grieves loamy fine sand, 12 to 25 percent slopes	1	2
90	Grieves-Crestman complex, 10 to 40 percent slopes	1	1
91	Grieves-Yamo-Crestman association, 3 to 45 percent slopes	1	2
92	Grimm-Ustic Torriorthents, shallow complex, 15 to 45 percent slopes	3	1
93	Gullied land	#	2#
94	Hapney fine sandy loam, moist, 0 to 1 percent slopes	1	3
95	Haterton-Piezon complex, 3 to 12 percent slopes	1	2
96	Heathcoat stony loam, 1 to 6 percent slopes, extremely stony	3	3
97	Heathcoat-Clayburn complex, 5 to 35 percent slopes, very stony	3	2
98	Herm-Fughes complex, 10 to 20 percent slopes, extremely bouldery	3	2
99	Hesperus fine sandy loam, dry, 2 to 15 percent slopes	1	3
100	Hesperus loam, 15 to 50 percent slopes	3	2
101	Hesperus loam, 3 to 25 percent slopes, very stony	3	2
102	Holter-Detra complex, 3 to 25 percent slopes, extremely stony	3	2
103	Iles loam, 3 to 12 percent slopes	1	3
104	Ironco-Mulgon, dry complex, 25 to 50 percent slopes, extremely bouldery	3	2
105	Ironsprings loamy sand, 1 to 15 percent slopes	1	3
106	Ironsprings loamy sand, 15 to 30 percent slopes	1	2
107	Ironsprings-Maysprings-Gretdivid complex, 10 to 20 percent slopes	1	3
108	Jerry-Cochetopa complex, 5 to 35 percent slopes	3	2
109	Joebas-Rock outcrop complex, 5 to 40 percent slopes	1	2
110	Kemmerer silty clay loam, 12 to 25 percent slopes	1	1
111	Kemmerer-Grapit complex, 15 to 65 percent slopes	3	1
112	Kemmerer-Moyerson complex, 20 to 40 percent slopes	1	1
113	Kemmerer-Yamo complex, 5 to 30 percent slopes	1	2
114	Lamphier fine sandy loam, 3 to 25 percent slopes	1	2
115	Lamphier fine sandy loam, 25 to 65 percent slopes	1	1
116	Lamphier-Jerry complex, 3 to 25 percent slopes	1	2
117	Lamphier-Jerry complex, 25 to 65 percent slopes	1	1
118	Lander loam, 0 to 3 percent slopes	3	3
119	Langspring sandy loam, 3 to 12 percent slopes	1	2
120	Layoint-Moosed-Berlake complex, 1 to 20 percent slopes	1	2

Map Symbol	Soil Map Unit Name	HEL Wind C=80	HEL Water R=35
121	Leaps clay loam, 3 to 15 percent slopes, very stony	3	3
122	Leswill-Rogrube complex, 1 to 7 percent slopes	1	3
123	Lilsnake-Sandwash complex, 3 to 20 percent slopes	1	2
124	Losee-Thornburgh dry, complex, 25 to 65 percent slopes	3	2
125	Massadona silty clay loam, 0 to 12 percent slopes	1	2
126	Massadona-Youngston moist, complex, 1 to 8 percent slopes	1	3
127	Maudlin-Duffymont complex, 3 to 15 percent slopes, very stony	1	1
128	Maybell sand, 3 to 12 percent slopes	1	3
129	Maybell sand, 12 to 45 percent slopes	1	2
130	Maysprings coarse sandy loam, 3 to 12 percent slopes	1	3
131	Maysprings-Gretdivid complex, 10 to 20 percent slopes	1	3
132	Milren fine sandy loam, 0 to 10 percent slopes	1	3
133	Miracle-Coldspring complex, 3 to 12 percent slopes	1	2
134	Morapos loam, 3 to 12 percent slopes	3	3
135	Morapos loam, 12 to 25 percent slopes	3	3
136	Morapos-Pagoda complex, 2 to 12 percent slopes	3	3
137	Morset-Youga complex, 3 to 12 percent slopes	1	3
138	Moyerson-Rentsac complex, 15 to 45 percent slopes	1	1
139	Muggins gravelly sandy loam, 3 to 20 percent slopes	1	2
140	Ninot-Crago-Garlips complex, 15 to 45 percent slopes	3	2
141	Nortez, cool-Morapos complex, 3 to 12 percent slopes	1	2
142	Nortez, cool-Morapos complex, 12 to 25 percent slopes	1	1
143	Nunemaker clay loam, 3 to 12 percent slopes	1	3
144	Pagoda loam, 12 to 25 percent slopes	3	2
145	Pagoda clay loam, 1 to 12 percent slopes	3	3
146	Pavillion-Degater complex, 3 to 20 percent slopes	1	2
147	Peeler stony fine sandy loam, 5 to 25 percent slopes, very stony	1	2
148	Pilotpeak-Grubrob complex, 1 to 12 percent slopes	1	2
149	Pinelli loam, 3 to 12 percent slopes	1	3
150	Pinelli clay loam, 3 to 15 percent slopes	3	3
151	Pinelli loam, dry, 3 to 8 percent slopes	1	3
152	Pinridge loam, 1 to 12 percent slopes	3	3
153	Pricecreek clay loam, 0 to 4 percent slopes	1	3
154	Quealman sand, 0 to 3 percent slopes	1	3
155	Rencot-Duffymont complex, 1 to 25 percent slopes	3	2
156	Rentsac channery sandy loam, 25 to 65 percent slopes	1	1
157	Rentsac-Moyerson complex, 25 to 65 percent slopes	1	1
158	Rock outcrop-Earsman complex, 10 to 45 percent slopes	3	3
159	Rock outcrop-Haploborolls complex, 10 to 40 percent slopes	1	1
160	Rock outcrop-Torriorthents complex, 50 to 75 percent slopes	3	1
161	Rock River sandy loam, 0 to 3 percent slopes	1	3
162	Rock River sandy loam, 3 to 12 percent slopes	1	3

Map Symbol	Soil Map Unit Name	HEL Wind C=80	HEL Water R=35
163	Rock River sandy loam, 12 to 25 percent slopes	1	2
164	Rock River-Taffom complex, 3 to 20 percent slopes	1	2
165	Rogrube complex, 3 to 12 percent slopes	1	3
166	Routt loam, 3 to 25 percent slopes	3	2
167	Routt-Cochetopa-Binco complex, 10 to 30 percent slopes, extremely stony	3	2
168	Ruedloff sandy loam, 1 to 8 percent slopes	1	3
169	Ruedloff-Dunul complex, 5 to 25 percent slopes	1	2
170	Ryan Park loamy sand, 3 to 15 percent slopes	1	3
171	Ryan Park sandy loam, 0 to 3 percent slopes	1	3
172	Ryan Park-Coyet complex, 5 to 25 percent slopes	1	2
173	Ryark-Powderwash complex, 2 to 15 percent slopes	1	3
174	Ryark-Maybell complex, 1 to 12 percent slopes	1	3
175	Sandwash-Langspring-Baston complex, 1 to 6 percent slopes	1	2
176	Schooner-Rock outcrop complex, 5 to 45 percent slopes	1	2
177	Schooner-Tricera complex, 5 to 25 percent slopes	1	2
178	Simanni-Ruedloff complex, 1 to 10 percent slopes	1	3
179	Skyway fine sandy loam, dry, 15 to 75 percent slopes	1	1
180	Spool-Maybell complex, 5 to 40 percent slopes	1	2
181	Stunner sandy loam, 1 to 8 percent slopes	1	3
182	Stunner, moist-Emlin complex, 1 to 12 percent slopes	1	2
183	Styers-Ironsprings-Maysprings complex, 10 to 20 percent slopes	1	2
184	Styers-Pinelli-Taffom complex, 10 to 25 percent slopes	1	1
185	Taffom sandy loam, 3 to 15 percent slopes	1	3
186	Talamantes loam, 0 to 6 percent slopes	1	3
187	Talamantes loam, 6 to 15 percent slopes	1	2
188	Talamantes loam, saline, 0 to 8 percent slopes	1	3
189	Tipper-Crustown complex, 10 to 40 percent slopes	1	1
190	Tipperary sand, 5 to 20 percent slopes	1	2
191	Tipperary loamy fine sand, 3 to 12 percent slopes	1	2
192	Tipperary-Willwood complex, 1 to 12 percent slopes	1	2
193	Tisworth fine sandy loam, 0 to 9 percent slopes	1	3
194	Tolman-Duffymont complex, 10 to 30 percent slopes, extremely stony	3	2
195	Torriorthents, 12 to 25 percent slopes	1	1
196	Torriorthents-Baston complex, 3 to 12 percent slopes	1	2
197	Torriorthents-Rock outcrop, sandstone complex, 25 to 75 percent slopes	1	1
198	Torriorthents-Rock outcrop, shale complex, 30 to 75 percent slopes	1	1
199	Torriorthents-Torripsamments complex, 12 to 40 percent slopes	1	1
200	Tresano sandy loam, 3 to 12 percent slopes	1	3
201	Tresano-Hiatha-Kandaly association, 2 to 20 percent slopes	1	3
202	Turzo loam, 0 to 5 percent slopes	1	3
203	Turzo loam, saline, 1 to 8 percent slopes	1	3
204	Typic Natrargids, 0 to 5 percent slopes	1	3



Map Symbol	Soil Map Unit Name	HEL Wind C=80	HEL Water R=35
205	Uffens fine sandy loam, 0 to 3 percent slopes	1	3
206	Ustorthents, frigid-Borolls complex, 25 to 75 percent slopes	1	1
207	Vermillion-Langspring complex, 3 to 25 percent slopes	1	2
208	Wallson-Tricera complex, 3 to 15 percent slopes	1	2
209	Weed sandy loam, 1 to 12 percent slopes	1	3
210	Willwood-Sheppard, cool complex, 1 to 12 percent slopes	1	3
211	Willwood-Tipperary complex, 12 to 40 percent slopes	1	2
212	Willwood-Tipperary, cobbly substratum complex, 1 to 12 percent slopes	1	3
213	Winevada-Splitro complex, 3 to 25 percent slopes	1	2
214	Winevada-Splitro complex, 25 to 65 percent slopes	1	1
215	Winkleman clay loam, 0 to 3 percent slopes	1	3
216	Yamo loam, 3 to 15 percent slopes	1	2
217	Yamo loam, 15 to 30 percent slopes	1	2
218	Yellowwash-Piezon complex, 5 to 15 percent slopes	1	1
219	Youga loam, 3 to 15 percent slopes	1	2
220	Youga-Dinnen complex, 3 to 12 percent slopes	1	3
221	Youga-Gelkie-Clayburn, warm complex, 25 to 45 percent slopes, extremely bouldery	1	1
222	Youngston loam, cool, 0 to 3 percent slopes	1	3
223	Youngston loam, well drained, 0 to 3 percent slopes	1	3
224	Zillion-Barkelaw, moist-Grapt complex, 25 to 65 percent slopes, extremely stony	1	1

**NOTE:** HEL Class 1 = Highly Erodible; Class 2 = Potentially Highly Erodible; Class 3 = Non-Highly Erodible.

**NOTE:** This "frozen" list is for use with USLE HEL Determinations only.

#### footnotes

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**The Soil Survey was published 2004.** An HEL worksheet was developed 1/1/1990. An Highly Erodible Soil Map Unit List was developed from the 1/1/90 HEL worksheet on 2/27/2015. The join map unit with Utah and Dinosaur National Monument were added after 1990 and final correlation. These additional map units were not added to this 'Frozen List'.

# **Non-soil area.** On-site visit required.

*Last Updated on 3/2/2015*

*By State Soil Scientist*

**##** The CO686- Moffat County Area, Colorado soil survey was correlated when the 'Frozen HEL' list was developed. With the exception of join map units with Utah and the Dinosaur National Monument (which were added after final correlation and 1990), the Web Soil Survey legend and maps will match the 'Frozen HEL' list on eFOTG.