

**Grand Junction Area, CO\*\* -- Highly Erodible Soil Map Unit Worksheet ##**

3/2/2015

**Soil Map Units**  
**Sorted by Map Symbol**  
**For Soil Survey Area - CO691**

Map Symbol	Soil Map Unit Name	HEL Wind C=40	HEL Water R=30
Ba	Billings silty clay loam, 0 to 2 percent slopes	3	3
Bb	Billings silty clay loam, 2 to 5 percent slopes	3	3
Bc	Billings silty clay loam, 0 to 2 percent slopes	3	3
Bd	Billings silty clay loam, 2 to 5 percent slopes	3	3
Be	Billings silty clay, moderately deep over Green River soil material, 0 to 2 percent slopes	3	3
Ca	Chipeta-Persayo shaly loams, 2 to 5 percent slopes	1	2
Cb	Chipeta-Persayo shaly loams, 5 to 10 percent slopes	1	1
Cc	Chipeta-Persayo silty clay loams, 5 to 10 percent slopes	1	1
Cd	Chipeta silty clay loams, 0 to 2 percent slopes	1	3
Ce	Chipeta silty clay loams, 2 to 5 percent slopes	1	2
Fa	Fruita and Ravola gravelly loams, 5 to 10 percent slopes	3	3
Fb	Fruita and Ravola gravelly loams, 20 to 40 percent slopes	3	1
Fc	Fruita and Ravola loams, 2 to 5 percent slopes	3	3
Fd	Fruita and Ravola loams, moderately deep, 2 to 5 percent slopes	3	3
Fe	Fruita clay loams, 0 to 2 percent slopes	3	3
Ff	Fruita clay loams, 2 to 5 percent slopes	3	3
Fg	Fruita clay loam, moderately deep, 0 to 2 percent slopes	3	3
Fh	Fruita clay loam, moderately deep, 2 to 5 percent slopes	3	3
Fk	Fruita gravelly clay loam, 0 to 2 percent slopes	3	3
Fl	Fruita gravelly clay loam, 2 to 5 percent slopes	3	3
Fm	Fruita gravelly clay loam, 5 to 10 percent slopes	3	3
Fn	Fruita gravelly clay loam, moderately deep, 2 to 5 percent slopes	3	3
Fo	Fruita gravelly clay loam, moderately deep, 5 to 10 percent slopes	3	3
Fp	Fruita very fine sandy loam, 0 to 2 percent slopes	3	3
Fr	Fruita very fine sandy loam, 2 to 5 percent slopes	3	3
Fs	Fruita very fine sandy loam, moderately deep, 0 to 2 percent slopes	3	3
Ft	Fruita very fine sandy loam, moderately deep, 2 to 5 percent slopes	3	3
Fu	Fruita very fine sandy loam, moderately deep, 5 to 10 percent slopes	3	2
Ga	Genola clay loam, 0 to 2 percent slopes	3	3
Gb	Genola clay loam, 2 to 5 percent slopes	3	3
Gc	Genola clay loam, deep over Hinman clay, 0 to 2 percent slopes	3	3
Gd	Genola fine sandy loam, deep over gravel, 0 to 2 percent slopes	3	3
Gf	Genola loam, 2 to 5 percent slopes	3	3
Gg	Genola very fine sandy loam, deep over gravel, 0 to 2 percent slopes	3	3
Gh	Green River clay loam, deep over gravel, 0 to 2 percent slopes	3	3
Gk	Green River fine sandy loam, deep over gravel, 0 to 2 percent slopes	3	3
Gl	Green River silty clay loam, deep over gravel, 0 to 2 percent slopes	3	3
Gm	Green River very fine sandy loam, deep over gravel, 0 to 2 percent slopes	3	3
Ha	Hinman clay, 0 to 1 percent slopes	3	3
Hb	Hinman clay loam, 0 to 2 percent slopes	3	3
Hc	Hinman clay loam, 2 to 5 percent slopes	3	3
Ma	Mack clay loam, 0 to 2 percent slopes	3	3
Mb	Mayfield shaly clay loam, 2 to 5 percent slopes	3	3

Map Symbol	Soil Map Unit Name	HEL Wind C=40	HEL Water R=30
Mc	Mesa clay loam, 0 to 2 percent slopes	3	3
Md	Mesa clay loam, 2 to 5 percent slopes	3	3
Me	Mesa gravelly clay loam, 2 to 5 percent slopes	3	3
Mf	Mesa gravelly clay loam, 5 to 10 percent	3	3
Mg	Mesa gravelly clay loam, moderately deep, 2 to 5 percent slopes	1	3
Mh	Mesa gravelly clay loam, moderately deep, 5 to 10 percent slopes	1	3
Na	Naples clay loam, 0 to 2 percent slopes	3	3
Nb	Naples fine sandy loam, 0 to 2 percent slopes	3	3
Nc	Navajo silty clay, 0 to 2 slopes	3	3
Pa	Persayo-Chipeta silty clay loams, 0 to 2 percent slopes	1	3
Pb	Persayo-Chipeta silty clay loams, 2 to 5 percent slopes	1	2
Ra	Ravola clay loam, 0 to 2 percent slopes	3	3
Rb	Ravola clay loam, 2 to 5 percent slopes	3	3
Rc	Ravola fine sandy loam, 0 to 2 percent slopes	3	3
Rd	Ravola fine sandy loam, 2 to 5 percent slopes	3	3
Re	Ravola loam, 0 to 2 percent slopes	3	3
Rf	Ravola very fine sandy loam, 0 to 2 percent slopes	3	3
Rg	Ravola very fine sandy loam, 2 to 5 percent slopes	3	3
Rh	Redlands loam, 0 to 2 percent slopes	3	3
Rk	Redlands loam, 2 to 5 percent slopes	3	3
RI	Redlands loam, 5 to 10 percent slopes	3	3
Rm	Redlands and Thoroughfare soils, shallow over bedrock, 2 to 5 percent slopes	3	3
Rn	Redlands and Thoroughfare soils, shallow over bedrock, 5 to 10 percent slopes	3	3
Ro	Riverwash, 0 to 2 percent slopes	3	3
Rp	Rough broken land, Chipeta and Persayo soil materials	3	2
Rs	Rough gullied land	#	#
Ta	Thoroughfare fine sandy loam, 0 to 2 percent slopes	3	3
Tb	Thoroughfare fine sandy loam, 2 to 5 percent slopes	3	3
Tc	Thoroughfare fine sandy loam, 5 to 10 percent slopes	3	3

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

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

#### footnotes

- \* **Change in HEL Class** due to an error in calculations or incorrect component (soil T, R/C) factors being used. Determinations that contain these soils need to be checked to verify that the original determination has not been affected.
- \*\* The Soil Survey was published 11/1955. An HEL worksheet was developed 1/1/1990. An Highly Erodible Soil Map Unit List was developed from the 1/1/90 HEL worksheet 2/27/2015.
- # **Non-soil area.** On-site visit required.

*Last Updated on 3/2/2015  
By State Soil Scientist*

## The CO691- Grand Junction Area, Colorado soil survey was available when the 1/1/1990 HEL worksheet was developed. The 2/27/2015 'Frozen HEL' list was generated from the 1990 worksheet. The soil survey was updated and merged with the CO680- Mesa County Area, Colorado soil survey. For the historic CO691 area, the 1955 hard copy soil survey will match the 'Frozen HEL' list on eFOTG.