

Column	Variable ^a	Description	Units	Status
1	OBJECTID	Object identifier	–	Optional
2	MUID	Mapping unit identifier	–	Optional
3	SEQN	Record counter calculated by SWAT	–	Optional
4	SNAM	Soil identifying name	–	Optional
5	S5ID	Soil interpretation record	–	Optional
6	CMPPCT	Soil component percent	–	Optional
7	NLAYERS ^b	Number of layers	–	Required
8	HYDGRP	Hydrologic soil group	–	Required
9	SOL_ZMX	Maximum rooting depth of the soil profile	mm	Required
10	ANION_EXCL	Fraction of soil porosity from which anions are excluded	–	Optional
11	SOL_CRK	Potential of maximum crack volume of the soil profile expressed as a fraction of the total soil volume	mm ³ mm ⁻³	Optional
12	TEXTURE	Texture of soil layer	–	Optional
13	SOL_Z _x	Depth from soil surface to bottom of layer	mm	Required
14	SOL_BD _x	Moist bulk density	Mg m ⁻³ or g cm ⁻³	Required
15	SOL_AWC _x	Available water capacity of the soil layer	mm mm ⁻³	Required
16	SOL_K _x	Saturated hydraulic conductivity	mm h ⁻¹	Required
17	SOL_CBN _x	Organic carbon content	% (w/w)	Required
18	CLAY _x	Clay content	% (w/w)	Required
19	SILT _x	Silt content	% (w/w)	Required
20	SAND _x	Sand content	% (w/w)	Required
21	ROCK _x	Rock fragment content	% (w/w)	Required
22	SOL_ALB _x	Moist soil albedo	–	Required
23	USLE_K _x	Erodibility factor (<i>K</i>)	0.01 ton ac h ac ft-ton in ⁻¹	Required
24	SOL_EC _x	Electrical conductivity	dS m ⁻¹	Optional