

**Table 4. Transferability of indicators across ecoregions from HGM models developed in the Ridge and Valley of Pennsylvania**

Variable	Indicator/s	Is the indicator scored based on reference standard sites ?	Allegheny Plateau			Glaciated Poconos			Piedmont		
			Headwater Floodplain (n=7)	Riparian Depression (n=2)	Slope (n=12)	Headwater Floodplain (n=2)	Riparian Depression (n=8)	Slope (n=6)	Headwater Floodplain (n=2)	Riparian Depression (n=0)	Slope (n=3)
VAQCON	presence in 100-year floodplain	NO	2	2	2	2	2	2	2		2
	stream density index	NO	2	2	2	2	2	2	2		2
	distance to nearest NWI wetland	NO	2	2	2	2	2	2	2		2
VBIOMASS	estimated % cover of trees	YES	5	6	5	6	5	6	6		6
	estimated % cover of shrubs										
	estimated % cover of herbs										
V <sub>CWD-BA</sub>	estimate of coverage of CWD	YES	4	6	5	6	4	6	6		6
V <sub>CWD-SZ</sub>	presence of CWD in three size classes	NO	2	2	2	2	2	2	2		2
V <sub>EXOTIC</sub>	% of species that are non-natives	NO	1	1	1	1	1	1	1		1
V <sub>FLOODP</sub>			8	8	8	8	8	8	8		8
V <sub>FWD</sub>	estimate of depth of litter layer	NO	2,7	2,7	2,7	2,7	2,7	2,7	2,7		2,7
V <sub>GRAD</sub>	elevational gradient based on topo maps	NO	2,7	2,7	2,7	2,7	2,7	2,7	2,7		2,7
V <sub>HYDROCHAR</sub>			8	8	8	8	8	8	8		8
V <sub>HYDROSTRESS</sub>	# of hydrologic modifications	NO	2	2	2	2	2	2	2		2
V <sub>MACRO</sub>	% macrodepressions along transect	NO	2,7	2,7	2,7	2,7	2,7	2,7	2,7		2,7
V <sub>MFFS</sub>	mean forested patch size in 1-km circle	NO	1	1	1	1	1	1	1		1
V <sub>ORGMA</sub>	% organic content in top 5cm of soil	NO	5	6	5	6	4	4	6		6
V <sub>RDDEN</sub>	density of roads in 1km circle	NO	1	1	1	1	1	1	1		1
V <sub>REDOX</sub>	mottle and matrix chroma	NO	2	2	2	2	2	2	2		2
V <sub>REGEN</sub>	regeneration of tree species	YES	4	6	5	6	5	3	6		6
V <sub>ROUGH</sub>	CWD	YES	3	6	3	6	3	3	6		6
	microtopography										
	estimate of total biomass										
V <sub>SDI</sub>	Shannon diversity index of landscape categories in 1-km radius circle	NO	1	1	1	1	1	1	1		1
V <sub>SNAGS</sub>	presence of snags in four size classes	NO	2	2	2	2	2	2	2		2
V <sub>SPPCOMP</sub>	adjusted FQAI scores	YES	3	6	1	6	1	1	6		6
V <sub>TEX</sub>	soil texture determined in field	NO	2,7	2,7	2,7	2,7	2,7	2,7	2,7		2,7
V <sub>UNDEVELOP</sub>	road density index	NO	1	1	1	1	1	1	1		1
	% urban development in 1-km radius circle										
V <sub>UNOBSSTRUIC</sub>	road density index	NO	1	1	1	1	1	1	1		1
	% urban development in 1-km radius circle										
	# of hydrologic modifications										
V <sub>%URB</sub>	% urban development in 1-km radius circle	NO	2	2	2	2	2	2	2		2

- 1= indicator is directly transferable - scored continuously, based on a linear relationship with disturbance; the same for all subclasses
- 2 = indicator is directly transferable - scored qualitatively in categories based on highest level of function; the same for all subclasses
- 3 = indicator is scored continuously, but does not have a relationship with disturbance, further investigation may result in a more robust indicator
- 4 = indicator was recalibrated for the ecoregion and shows a possible relationship with disturbance
- 5 = indicator was recalibrated for the ecoregion and does not respond to disturbance, further investigation may result in a more robust indicator
- 6 = indicator is scored the same as sites in the Ridge and Valley since it follows the same trend as Ridge and Valley sites, however more data would be help confirm this
- 7 = indicator scored qualitatively in categories, but further investigation may result in a more robust indicator that has a relationship with disturbance
- 8 = further investigation is needed to develop an appropriate indicator