5.3 Modulus of Different Soil Erosion Statistics in Karst

AreasThe RUSLE model is one of the classical models of soil erosion and is widely used in various countries and regions in the world. However, although the RUSLE model is a mature and classical model, its application in karst areas is relatively scarce. Several scientists have conducted research on different parts of the karst areas of Guizhou Province. Different results have been derived; thus, a simple control should be adopted, and their results are given in Table 8.

Table 8 . The different data of soil erosion obtained by previous studiesin typical Karst area

The main author	Study area	Time scale	Average modulus $(t \cdot hm^{-2} \cdot yr^{-1})$	Total soil loss $(\times 10^4 t)$
Zeng(2011)	Hongfenghu Basin	1960-1986	38.35	610.53
		1987-1997	52.80	839.90
		1998-2004	40.24	640.18
Xu(2011)	Maotiao River Basin	2002	28.70	875.65
Wang(2014)	Wujiang River Basin	1980-1989	26.78	133.36
		1990-1999	23.13	115.18
This paper	Yinjiang Country	2000	25.09	477.49
		2005	21.53	366.56
		2013	18.84	314.64