Table S1. Landscape ecological risk conversion matrix of the Tarim River Basin in 2000~2020.

Conversion Type	2000-2010		2010-2020		2000—2020	
	Converted Area /km²	Conversion Rate /(km²/a)	Converted Area /km²	Conversion Rate /(km²/a)	Converted Area /km²	Conversion Rate /(km²/a)
12	10507.2183	1050.7218	12878.3449	1287.8345	14656.0138	732.8007
13	836.5737	83.6574	5493.8893	549.3889	2043.7620	102.1881
14	0.00	0.00	0.8295	0.0829	0.3424	0.0171
15	0.00	0.00	0.00	0.00	0.00	0.00
21	66485.4202	6648.5420	52495.8497	5249.5850	102881.8146	5144.0907
23	20680.3863	2068.0386	17058.7212	1705.8721	32960.3620	1648.0181
24	7106.5569	710.6557	991.6397	99.1640	4419.5068	220.9753
25	212.9120	21.2912	0.00	0.00	25.4144	1.2707
31	13.3122	1.3312	2.2895	0.2289	3099.1901	154.9595
32	53562.8879	5356.2888	67294.0205	6729.4020	82438.2636	4121.9132
34	11437.6307	1143.7631	2530.8374	253.0837	6689.5348	334.4767
35	2312.0197	231.2020	0.00	0.00	1198.1217	59.9061
41	0.00	0.00	0.00	0.00	0.00	0.0000
42	921.9860	92.1986	4545.0646	454.5065	27873.2119	1393.6606
43	56647.9724	5664.7972	85295.1392	8529.5139	99889.5293	4994.4765
45	6892.5975	689.2598	0.0664	0.0066	3227.1695	161.3585
52	0.00	0.00	0.00	0.00	0.0770	0.0039
53	0.00	0.00	317.5856	31.7586	7704.0363	385.2018
54	33600.7735	3360.0774	62919.9519	6291.9952	84180.1492	4209.0075

Notes: 12: very low risk → low risk; 13: very low risk→ moderate risk; 14: very low risk→ high risk; 15: very low risk→ very high risk; 21: low risk→ very low risk; 23: low risk→ moderate risk; 24: low risk→ high risk; 25: low risk→ very high risk; 31: moderate risk→ very low risk; 32: moderate risk→ low risk; 34: moderate risk→ high risk; 35: moderate risk→ very high risk; 41: high risk → very low risk; 42: high risk→ low risk; 43: high risk→ moderate risk; 45: high risk→ very high risk; 52: high risk→ low risk; 53: very high risk→ moderate risk; 54: very high risk→ high risk.