Table 12. Statistical table of landscape pattern index of different land use types in Ningxia from 1980 to 2020

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Item | Year | PD | LPI | ED | LSI | AREA\_MN | SHAPE\_AM | FRAC\_AM |
|  | 1980 | 0.1795 | 5.5113 | 19.8713 | 203.7021 | 173.7385 | 17.765 | 1.2414 |
|  | 1990 | 0.1792 | 5.605 | 19.9488 | 203.723 | 175.3358 | 18.0536 | 1.2428 |
| Cultivated land | 2000 | 0.2066 | 6.4448 | 22.1277 | 212.2531 | 172.8442 | 18.973 | 1.2456 |
|  | 2010 | 0.196 | 6.1053 | 21.4735 | 210.266 | 174.8453 | 18.0113 | 1.2487 |
|  | 2020 | 0.196 | 5.9403 | 21.1792 | 207.5699 | 173.0188 | 15.679 | 1.2398 |
|  | 1980 | 0.0617 | 0.2466 | 3.3474 | 91.5992 | 71.8817 | 3.7766 | 1.1444 |
|  | 1990 | 0.0621 | 0.2466 | 3.3569 | 91.8264 | 71.5156 | 3.7751 | 1.1443 |
| Forest land | 2000 | 0.0702 | 0.2506 | 3.691 | 98.7644 | 66.0504 | 3.8388 | 1.1465 |
|  | 2010 | 0.0735 | 0.2477 | 4.0832 | 101.4457 | 73.2264 | 3.8889 | 1.1482 |
|  | 2020 | 0.072 | 0.2376 | 4.0473 | 100.0805 | 74.9769 | 3.9302 | 1.1486 |
|  | 1980 | 0.0602 | 37.2252 | 22.1923 | 179.4219 | 842.1613 | 106.5602 | 1.3623 |
|  | 1990 | 0.061 | 37.1655 | 22.2919 | 180.483 | 828.7106 | 106.7332 | 1.3618 |
| Grassland | 2000 | 0.0677 | 33.5135 | 23.5606 | 200.4035 | 678.2961 | 118.6398 | 1.3695 |
|  | 2010 | 0.0735 | 27.5297 | 23.1581 | 197.9506 | 619.2208 | 96.4653 | 1.3532 |
|  | 2020 | 0.0635 | 21.5356 | 23.0704 | 196.8137 | 713.7679 | 86.6276 | 1.3556 |
|  | 1980 | 0.021 | 0.9505 | 1.8021 | 68.7204 | 107.7968 | 10.1071 | 1.2256 |
| Water | 1990 | 0.0211 | 0.6087 | 1.7929 | 76.4581 | 85.7527 | 10.9056 | 1.2335 |
|  | 2000 | 0.0194 | 0.7022 | 1.742 | 74.4558 | 93.544 | 11.5347 | 1.2357 |
|  | 2010 | 0.024 | 0.548 | 2.0332 | 85.1765 | 78.4645 | 11.5371 | 1.2291 |
|  | 2020 | 0.0277 | 0.4996 | 2.0426 | 82.9563 | 71.3026 | 9.6365 | 1.2134 |
|  | 1980 | 0.1112 | 0.0409 | 2.2853 | 99.0296 | 15.5231 | 1.7189 | 1.0753 |
|  | 1990 | 0.1117 | 0.0409 | 2.2926 | 99.251 | 15.4901 | 1.7216 | 1.0755 |
| Construction Land | 2000 | 0.1153 | 0.0497 | 2.4726 | 100.8446 | 16.9305 | 1.8466 | 1.0816 |
|  | 2010 | 0.1231 | 0.2411 | 3.3215 | 104.7122 | 26.5637 | 2.7582 | 1.1118 |
|  | 2020 | 0.13 | 0.4517 | 3.5869 | 96.1471 | 34.706 | 2.8178 | 1.1097 |
|  | 1980 | 0.0339 | 1.4845 | 3.8917 | 72.5291 | 287.1703 | 7.4552 | 1.1918 |
|  | 1990 | 0.0341 | 1.4856 | 3.9875 | 72.9071 | 296.2869 | 7.4158 | 1.1921 |
| Untapped land | 2000 | 0.0357 | 1.4252 | 4.0785 | 75.2747 | 278.5181 | 7.401 | 1.1928 |
|  | 2010 | 0.0477 | 1.366 | 4.7436 | 88.4149 | 202.7718 | 6.5297 | 1.1864 |
|  | 2020 | 0.0427 | 1.0823 | 4.4815 | 86.6247 | 208.5574 | 6.9378 | 1.189 |