

Additional File

Table S1. Percentages (unitless) of class distribution for pollution assessment of soil metals in Central China using geoaccumulation index.

| | Cu | Cr | Cd | Zn | Pb | Hg | As |
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Central China | | | | | | | |
| unpolluted | 68.6% | 86.2% | 37.8% | 72.2% | 62.2% | 47.4% | 59.1% |
| unpolluted to moderately polluted | 28.6% | 13.8% | 24.3% | 19.4% | 21.6% | 10.5% | 18.2% |
| moderately polluted | 2.9% | 0.0% | 8.1% | 2.8% | 10.8% | 5.3% | 9.1% |
| moderately to heavily polluted | 0.0% | 0.0% | 13.5% | 2.8% | 2.7% | 10.5% | 13.6% |
| heavily polluted | 0.0% | 0.0% | 2.7% | 2.8% | 2.7% | 15.8% | 0.0% |
| heavily to extremely polluted | 0.0% | 0.0% | 2.7% | 0.0% | 0.0% | 0.0% | 0.0% |
| extremely polluted | 0.0% | 0.0% | 10.8% | 0.0% | 0.0% | 10.5% | 0.0% |
| Henan Province | | | | | | | |
| unpolluted | 0.0% | 85.7% | 0.0% | 0.0% | 12.5% | 0.0% | 0.0% |
| unpolluted to moderately polluted | 100.0% | 14.3% | 0.0% | 57.1% | 25.0% | 0.0% | 37.5% |
| moderately polluted | 0.0% | 0.0% | 0.0% | 14.3% | 50.0% | 0.0% | 25.0% |
| moderately to heavily polluted | 0.0% | 0.0% | 25.0% | 14.3% | 0.0% | 28.6% | 37.5% |
| heavily polluted | 0.0% | 0.0% | 12.5% | 14.3% | 12.5% | 42.9% | 0.0% |
| heavily to extremely polluted | 0.0% | 0.0% | 12.5% | 0.0% | 0.0% | 0.0% | 0.0% |
| extremely polluted | 0.0% | 0.0% | 50.0% | 0.0% | 0.0% | 28.6% | 0.0% |
| Hubei Province | | | | | | | |
| unpolluted | 94.1% | 100.0% | 76.5% | 100.0% | 82.4% | 85.7% | 87.5% |
| unpolluted to moderately polluted | 0.0% | 0.0% | 5.9% | 0.0% | 11.8% | 14.3% | 12.5% |
| moderately polluted | 5.9% | 0.0% | 5.9% | 0.0% | 0.0% | 0.0% | 0.0% |
| moderately to heavily polluted | 0.0% | 0.0% | 11.8% | 0.0% | 5.9% | 0.0% | 0.0% |
| heavily polluted | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| heavily to extremely polluted | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| extremely polluted | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Hunan Province | | | | | | | |
| unpolluted | 72.7% | 75.0% | 8.3% | 75.0% | 66.7% | 60.0% | 100.0% |
| unpolluted to moderately polluted | 27.3% | 25.0% | 66.7% | 25.0% | 33.3% | 20.0% | 0.0% |
| moderately polluted | 0.0% | 0.0% | 16.7% | 0.0% | 0.0% | 20.0% | 0.0% |
| moderately to heavily polluted | 0.0% | 0.0% | 8.3% | 0.0% | 0.0% | 0.0% | 0.0% |
| heavily polluted | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| heavily to extremely polluted | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| extremely polluted | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |