附录1　高发生强度节点局部指标的Spearman相关性矩阵及显著性检验

Appendix 1　Spearman correlation matrix and significance tests for local indicators of high-occurrence-intensity nodes

指标 Indicator	节点 KDE 值 Node KDE value	局部发生记录数 Local records	局部发生记录密度 Local record density	总斑块面积 Total patch area	斑块面积密度 Patch area density	高/极高风险区比例 High/extremely high risk proportion
节点 KDE 值 Node KDE value	1.000	0.725 (0.103)	0.714 (0.111)	0.314 (0.544)	0.314 (0.544)	NA
局部发生记录数 Local records	0.725 (0.103)	1.000	0.841* (0.036)	0.000 (1.000)	0.000 (1.000)	NA
局部发生记录密度 Local record density	0.714 (0.111)	0.841* (0.036)	1.000	0.086 (0.872)	0.086 (0.872)	NA
总斑块面积 Total patch area	0.314 (0.544)	0.000 (1.000)	0.086 (0.872)	1.000	1.000*** (< 0.001)	NA
斑块面积密度 Patch area density	0.314 (0.544)	0.000 (1.000)	0.086 (0.872)	1.000*** (< 0.001)	1.000	NA
高/极高风险区比例 High/extremely high risk proportion	NA	NA	NA	NA	NA	NA

单元格内为Spearman相关系数ρ, 括号内为双侧检验*P*值。* $P < 0.05$; *** $P < 0.001$。高风险区和极高风险区的合计比例在6个节点中均为1, 方差为0, 因此未计算相关系数。KDE: 核密度估计。NA: 不适用。

Values are Spearman correlation coefficients (ρ), with two-sided *P* values in parentheses. * $P < 0.05$; *** $P < 0.001$. The combined proportion of high and extremely high risk zones was 1 at all six nodes. Because this proportion had zero variance, its correlation coefficients could not be calculated. KDE denotes kernel density estimation. NA denotes not applicable.

附录2　6个高发生强度节点的完整局部指标、风险区构成与优先核查等级

Appendix 2　Complete local indicators, risk-zone composition, and priority verification levels of six high occurrence intensity nodes

(1)节点局部发生负荷指标 Local occurrence-burden indicators of high occurrence intensity nodes

节点 Node	节点 KDE 值 Node KDE value	局部支持面积 Local support area (km²)	局部发生记录数 Local records	发生记录密度 Record density (records/km²)	总斑块面积 Total patch area (m²)	斑块面积中位数 Median patch area (m²)	斑块面积密度 Patch area density (m²/km²)	局部平均 KDE 值 Local mean KDE value
S1	0.03438	2.49	18	7.24	1605	60	645.37	0.03307
S2	0.03089	2.76	16	5.80	410	25	148.68	0.02840
S3	0.03058	2.69	19	7.07	900	30	334.76	0.02837
S4	0.01856	3.02	11	3.64	2440	100	806.96	0.01723
S5	0.01810	3.19	12	3.76	385	15	120.53	0.01594
S6	0.01735	2.68	11	4.11	525	40	196.11	0.01550

(2)节点局部风险区构成与优先核查等级 Local risk-zone composition and priority verification levels of high occurrence intensity nodes

节点 Node	低风险区比例 Low risk proportion	中风险区比例 Medium risk proportion	高风险区比例 High risk proportion	极高风险区比例 Extremely high risk proportion	优先核查等级 Priority verification level
S1	0.000	0.000	0.000	1.000	一级重点核查节点 Level I
S2	0.000	0.000	0.000	1.000	三级一般核查节点 Level III
S3	0.000	0.000	0.000	1.000	二级重点核查节点 Level II
S4	0.000	0.000	0.122	0.878	一级重点核查节点 Level I
S5	0.000	0.000	0.410	0.590	三级一般核查节点 Level III
S6	0.000	0.000	0.478	0.522	三级一般核查节点 Level III

局部指标均在节点2 km缓冲区与空间分析支持范围的交集内计算。局部斑块面积密度不低于P75的为一级重点核查节点，不低于P50且低于P75的为二级重点核查节点，低于P50的为三级一般核查节点。P50 = 265.44 m² /km² , P75 = 567.72 m² /km² 。KDE表示核密度估计。节点KDE值和局部平均KDE值的单位均为条/栅格，每个栅格为200 m × 200 m。

All local indicators were calculated within the intersection of each 2-km node buffer and the survey-supported spatial extent. Based on local patch area density, nodes were assigned to Level I (priority verification) at or above P75, Level II (priority verification) at or above P50 but below P75, and Level III (routine verification) below P50. P50 = 265.44 m²/km² and P75 = 567.72 m²/km². KDE denotes kernel density estimation. Node KDE and local mean KDE are both expressed in records per 200 m × 200 m grid cell.