

School Zone Speed Limit

Decision Tree Audit Report

HERE Berlin Hackathon 2026 — Potsdam + SW Berlin

Generated: 09 April 2026 | Decision Tree v3 | 315 poles

Geographic scope: lat 52.34–52.45, lon 13.01–13.36 (Potsdam + SW Berlin)

Total poles: 315

AUTO_APPROVE: 153 (48.6%)

REVIEW: 80 (25.4%)

EXCLUDE: 80 (25.4%)

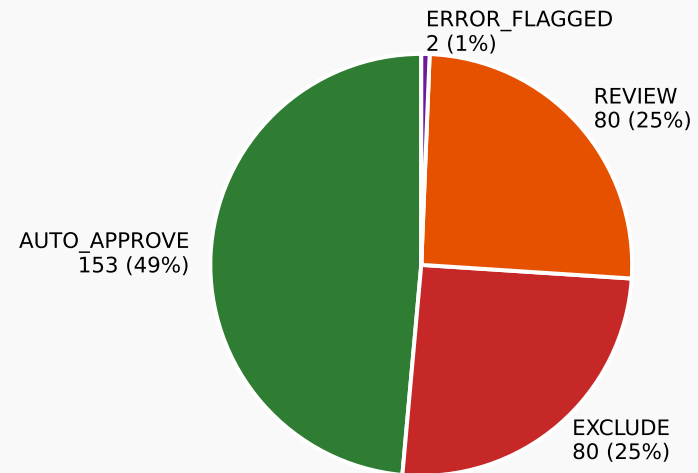
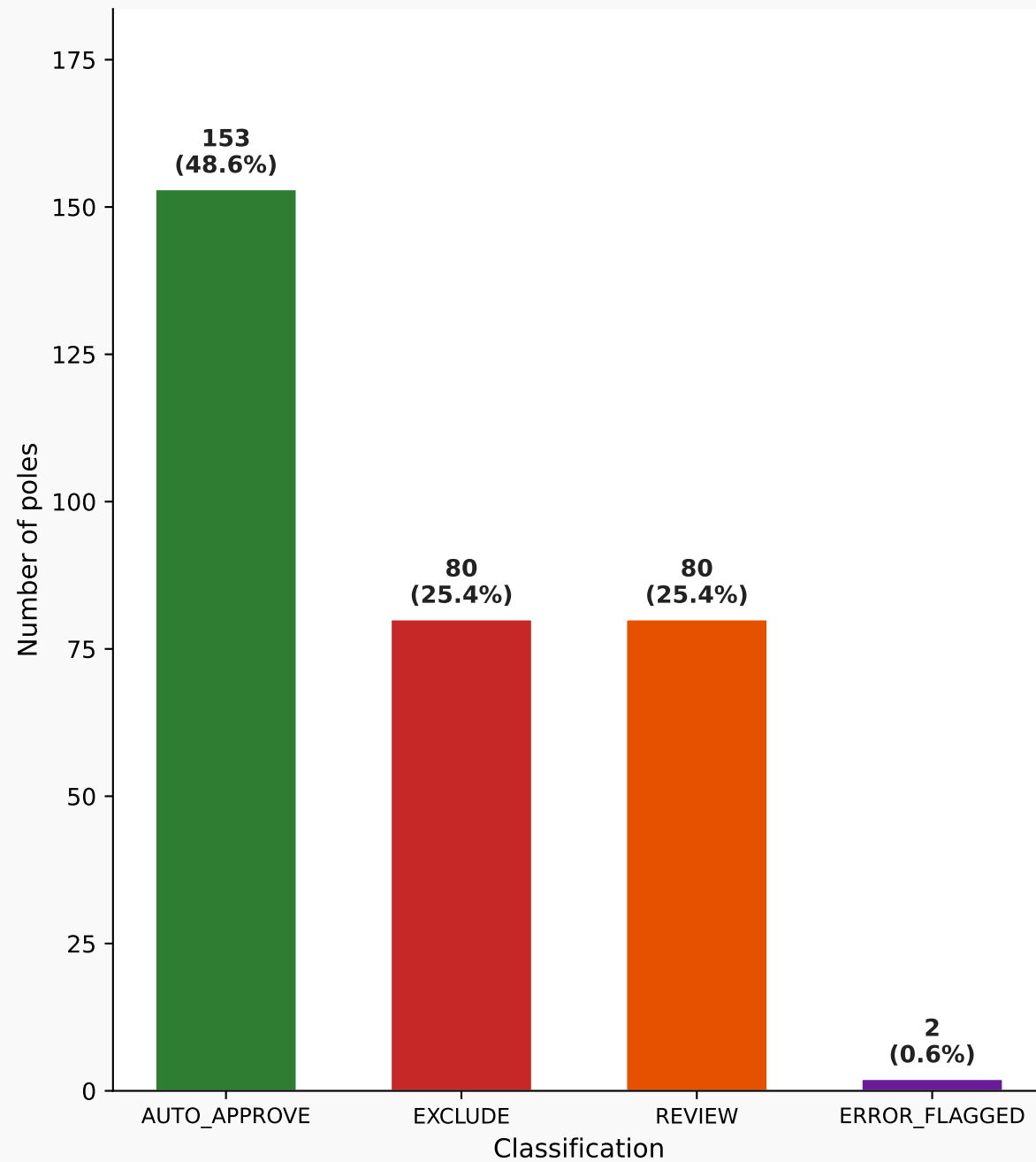
ERROR_FLAGGED: 2 (0.6%)

Mean confidence: 0.537

Median confidence: 0.655

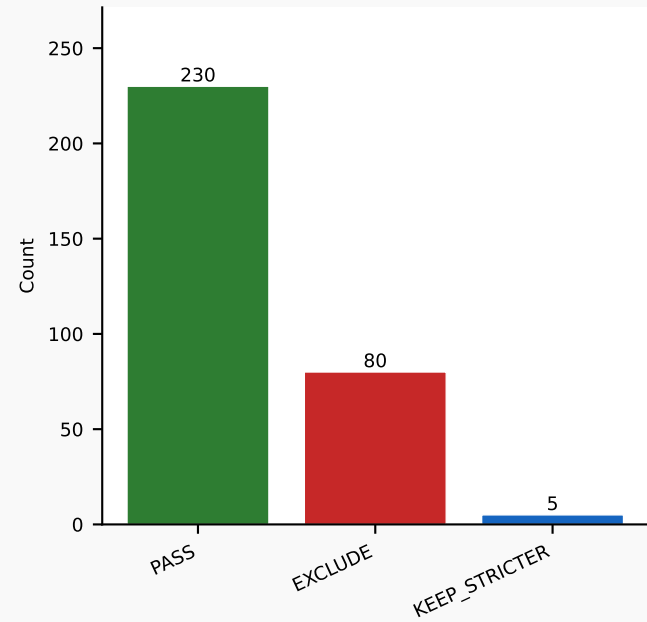
Error-flagged: 70 poles

Classification Breakdown

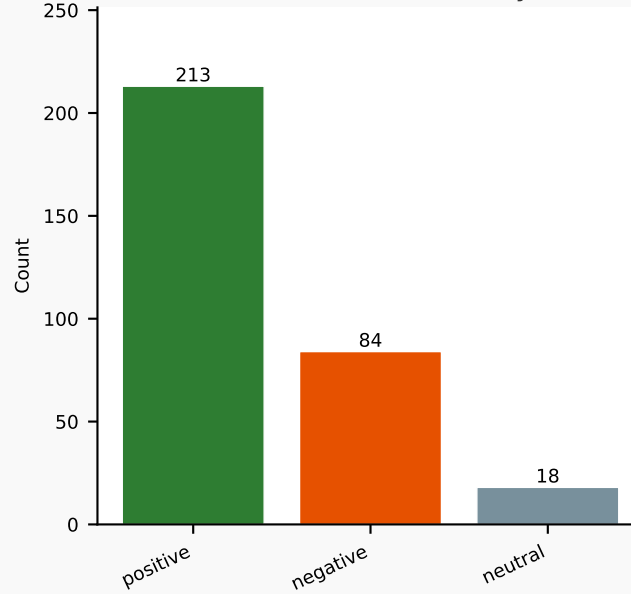


Gate Distribution — Decision Tree v3

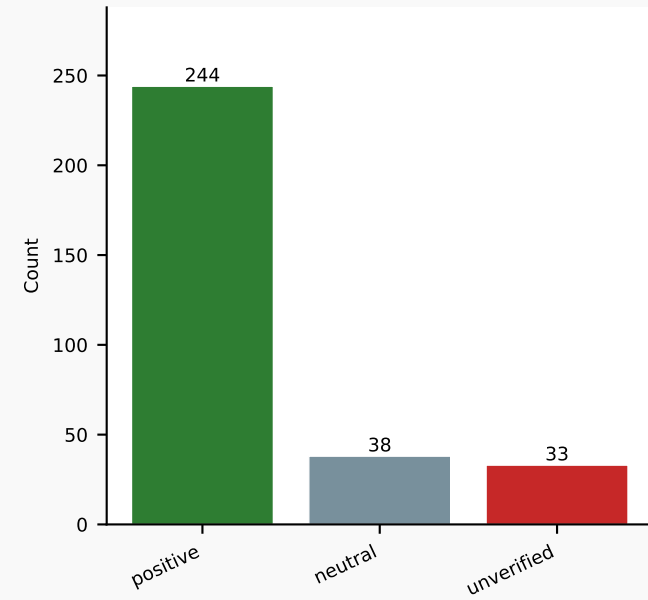
Gate 1 — Zone30 Exclusion



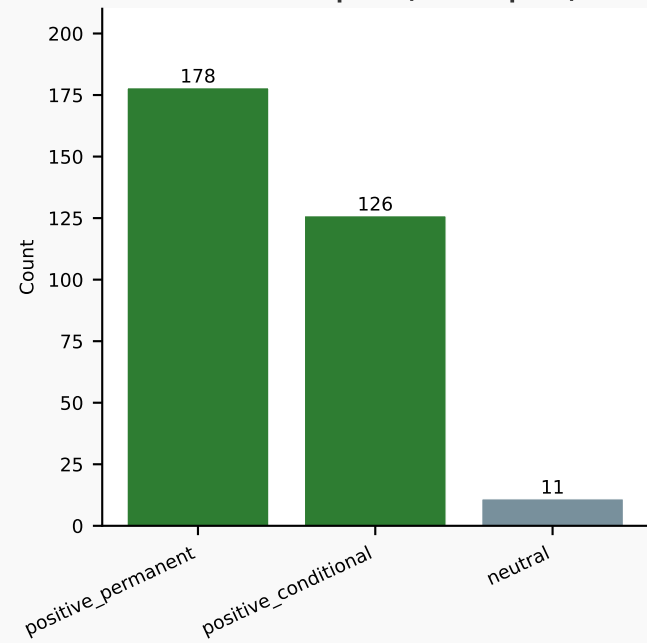
Gate 2 — School Proximity



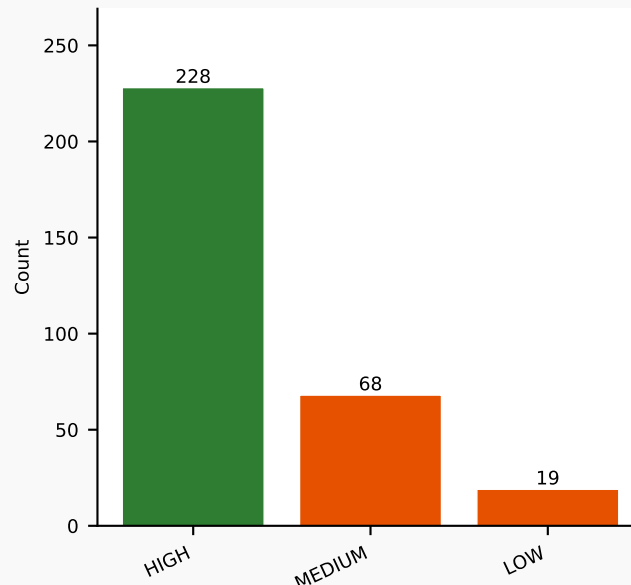
Gate 3 — Visual Detection



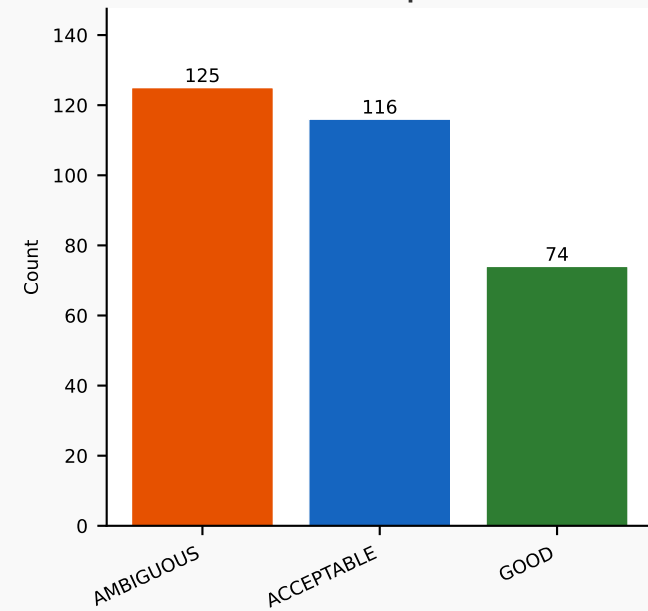
Gate 4 — Temporal (Probe Speed)



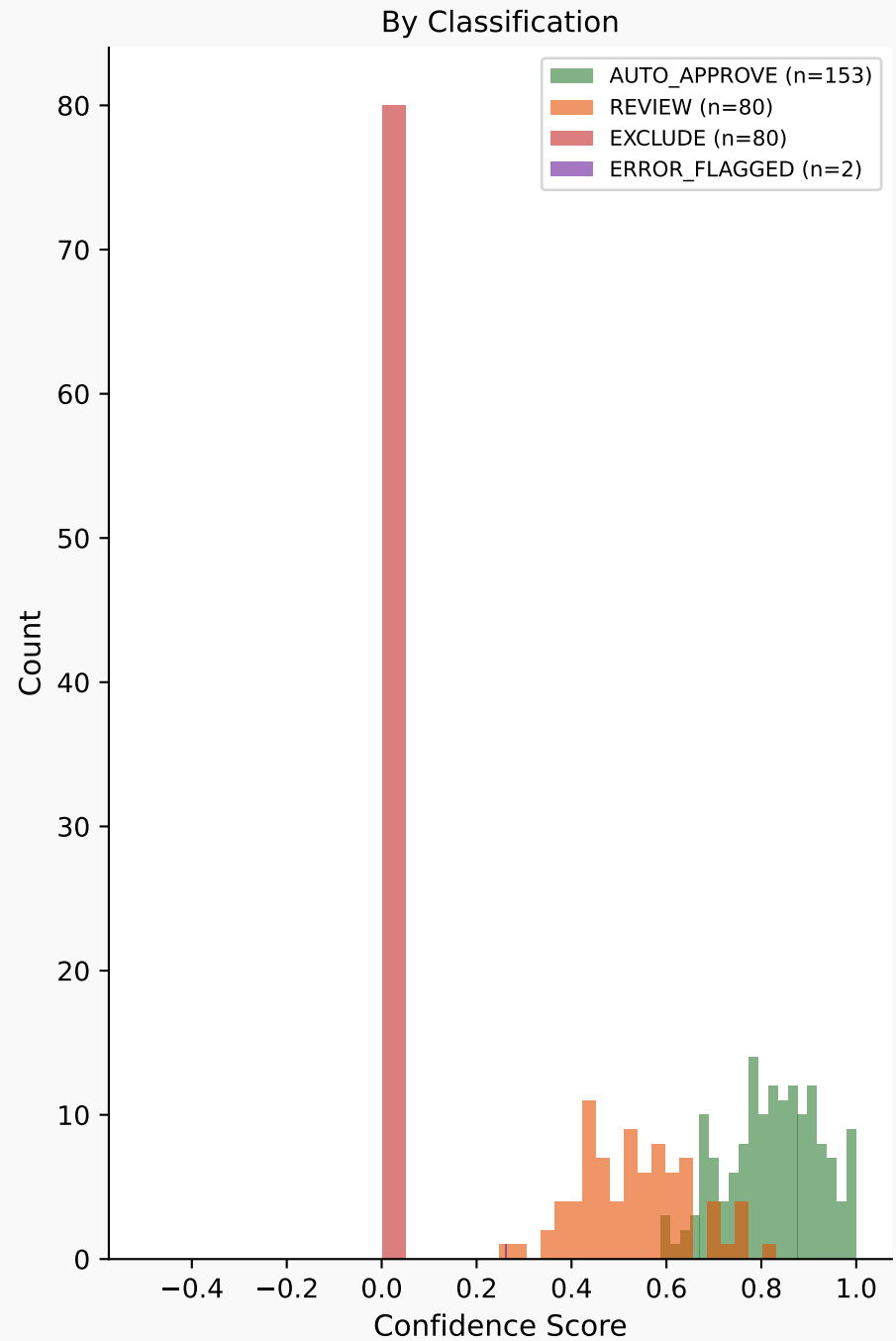
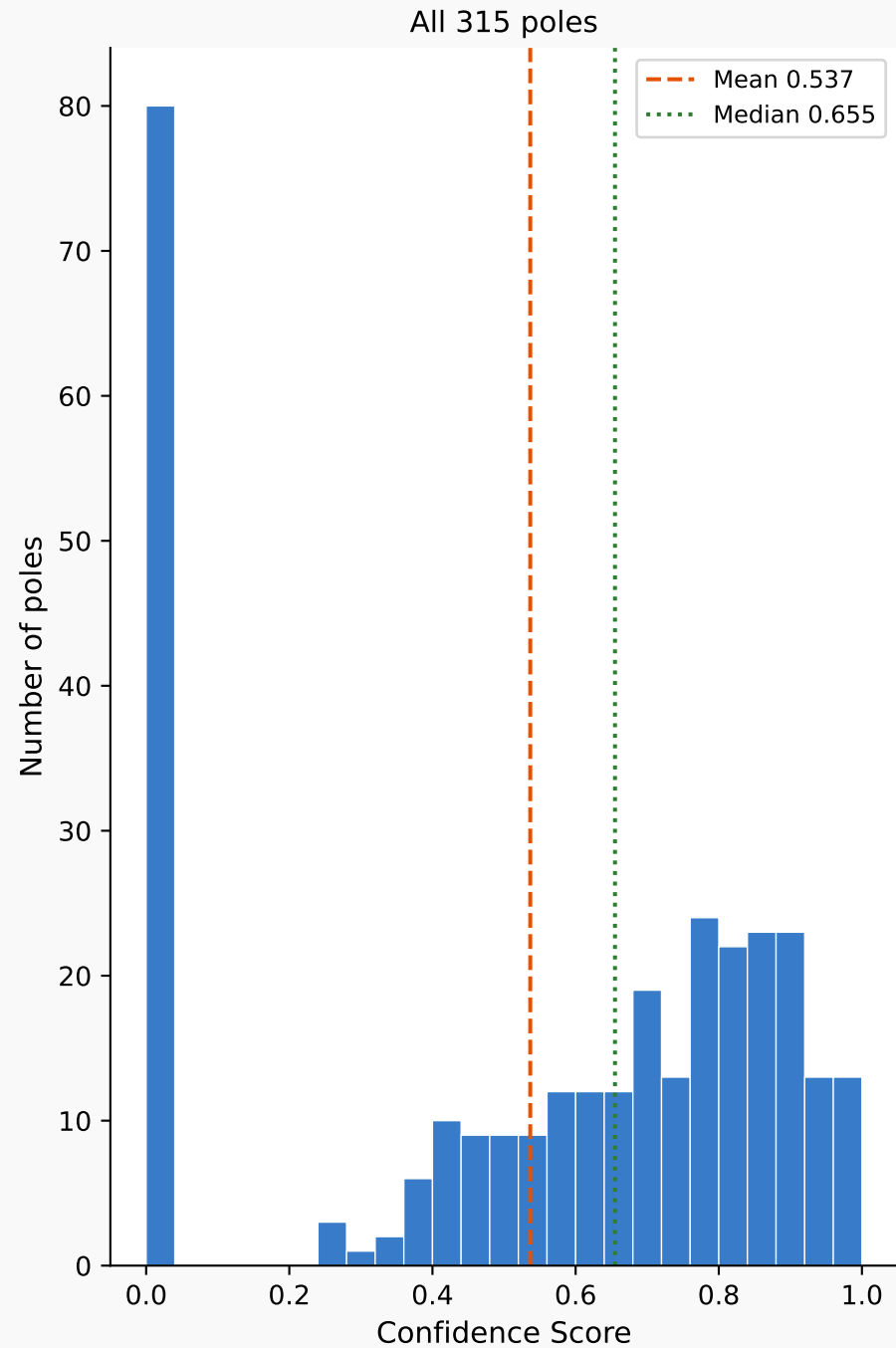
Gate 5 — nDetections



Gate 6 — Map Match



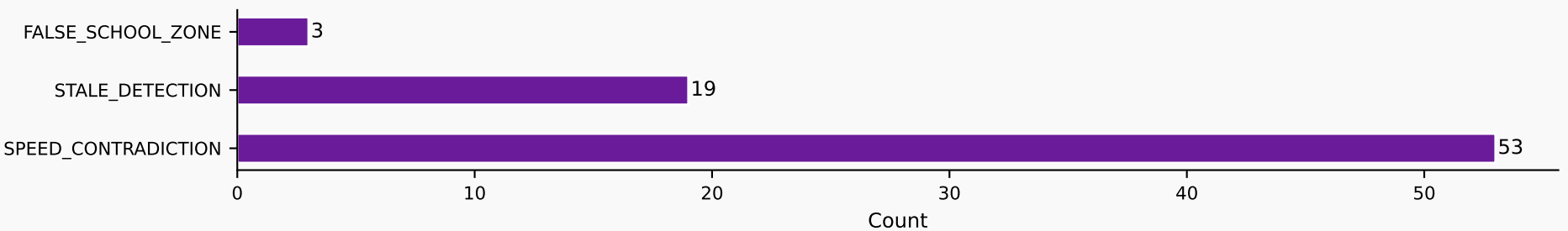
Confidence Score Distribution



Error Flags Summary

70 poles carry error flags (22.2% of total)

Error Flag	Count	% of flagged poles
SPEED_CONTRADICTION	53	75.7%
STALE_DETECTION	19	27.1%
FALSE_SCHOOL_ZONE	3	4.3%



Top 20 Highest-Confidence AUTO_APPROVE Poles

Pole ID	Confidence	Lat	Lon	nDet	Evidence
161	1.000	52.43492	13.26361	569	school_proximity✓ visual✓ probe_speed✓ detections
38	1.000	52.43564	13.25627	1171	school_proximity✓ visual✓ probe_speed✓ detections
297	1.000	52.44265	13.29711	609	school_proximity✓ visual✓ probe_speed✓ detections
65	0.988	52.39162	13.22064	1323	school_proximity✓ visual✓ probe_speed✓ detections
164	0.988	52.41965	13.30692	469	school_proximity✓ visual✓ probe_speed✓ detections
171	0.987	52.43548	13.25510	1940	school_proximity✓ visual✓ probe_speed✓ detections
246	0.983	52.41964	13.30704	457	school_proximity✓ visual✓ probe_speed✓ detections
205	0.982	52.42122	13.31049	454	school_proximity✓ visual✓ probe_speed✓ detections
152	0.981	52.42121	13.31047	453	school_proximity✓ visual✓ probe_speed✓ detections
299	0.960	52.43195	13.30888	527	school_proximity✓ visual✓ probe_speed✓ detections
226	0.960	52.43522	13.25885	647	school_proximity✓ visual✓ probe_speed✓ detections
231	0.960	52.43562	13.25645	1203	school_proximity✓ visual✓ probe_speed✓ detections
37	0.960	52.44559	13.29361	678	school_proximity✓ visual✓ probe_speed✓ detections
254	0.953	52.42139	13.31100	604	school_proximity✓ visual✓ probe_speed✓ detections
228	0.953	52.43315	13.30757	499	school_proximity✓ visual✓ probe_speed✓ detections
27	0.953	52.43549	13.25508	1940	school_proximity✓ visual✓ probe_speed✓ detections
270	0.953	52.43574	13.25627	1217	school_proximity✓ visual✓ probe_speed✓ detections
43	0.952	52.43343	13.30714	381	school_proximity✓ visual✓ probe_speed✓ detections
57	0.948	52.44634	13.26820	724	school_proximity✓ visual✓ probe_speed✓ detections
272	0.941	52.43532	13.25842	2495	school_proximity✓ visual✓ probe_speed✓ detections

Top 20 REVIEW Poles — Lowest Confidence (Need Checking)

Pole ID	Confidence	Lat	Lon	nDet	Decision Path (truncated)
66	0.247	52.39537	13.23225	18	G1:PASS(no Zone30 within 30m)→G2:negative(NONE(2386m,Busines
244	0.299	52.34166	13.10683	30	G1:PASS(no Zone30 within 30m)→G2:negative(WEAK(556m,School,E
112	0.353	52.41329	13.25167	16	G1:PASS(no Zone30 within 30m)→G2:negative(NONE(1650m,Kinderg
156	0.353	52.42598	13.21575	12	G1:PASS(no Zone30 within 30m)→G2:negative(NONE(1588m,Kinderg
0	0.368	52.39785	13.22787	221	G1:KEEP_STRICTER(Zone30 at 14.6m (zone_speed=30) → pole spee
146	0.386	52.43979	13.30004	112	G1:PASS(no Zone30 within 30m)→G2:negative(WEAK(586m,Educatio
151	0.387	52.39537	13.23225	18	G1:PASS(no Zone30 within 30m)→G2:negative(NONE(1118m,Kinderg
23	0.389	52.39816	13.22760	3	G1:PASS(no Zone30 within 30m)→G2:negative(NONE(2437m,Busines
132	0.396	52.39380	13.11229	89	G1:PASS(no Zone30 within 30m)→G2:negative(NONE(1938m,Kinderg
172	0.397	52.34170	13.10653	25	G1:PASS(no Zone30 within 30m)→G2:negative(NONE(1453m,Kinderg
294	0.400	52.38153	13.14193	64	G1:PASS(no Zone30 within 30m)→G2:negative(NONE(3281m,Busines
304	0.421	52.42323	13.24277	153	G1:PASS(no Zone30 within 30m)→G2:negative(NONE(3073m,Busines
53	0.423	52.41209	13.22706	171	G1:PASS(no Zone30 within 30m)→G2:negative(NONE(1541m,Kinderg
63	0.425	52.41264	13.34987	92	G1:PASS(no Zone30 within 30m)→G2:negative(NONE(2388m,Busines
295	0.430	52.40680	13.22491	59	G1:PASS(no Zone30 within 30m)→G2:negative(NONE(2489m,Busines
268	0.436	52.39381	13.11229	89	G1:PASS(no Zone30 within 30m)→G2:negative(NONE(2034m,Kinderg
212	0.436	52.40202	13.22590	91	G1:PASS(no Zone30 within 30m)→G2:negative(NONE(1549m,Kinderg
170	0.436	52.42198	13.31232	104	G1:PASS(no Zone30 within 30m)→G2:negative(NONE(1580m,Busines
255	0.438	52.38326	13.12204	95	G1:PASS(no Zone30 within 30m)→G2:negative(NONE(1595m,Kinderg
51	0.438	52.43094	13.23000	244	G1:PASS(no Zone30 within 30m)→G2:negative(NONE(1521m,Kinderg

Geographic Distribution — All 315 Poles (colour = classification)

