

Note: This test was requested for a company-defined exploration area in Alaska, which defined the target polygon and the test area.

GeoVENA

Fairbanks, Alaska Lode Gold Statistical Validation

Results against a blind random test

GeoVENA results were evaluated against 44 known lode-gold mine locations within a defined 6,903 square kilometer area in Alaska. The results below report the measured proximity of the GeoVENA results to the known mine locations and compare those results with blind random points across the same test area.

6,903 km²	44	40 of 44
test area	known lode-gold locations	within 1 km

Results - GeoVENA versus blind random

Distance to a known lode-gold location	GeoVENA	Blind random
within 250 m	8 of 44 (18.2%)	0.11%
within 500 m	13 of 44 (29.5%)	0.33%
within 750 m	18 of 44 (40.9%)	0.65%
within 1,000 m	40 of 44 (90.9%)	0.95%
within 1,100 m	43 of 44 (97.7%)	1.09%

GeoVENA Performance Factor at 1 km: ~96× Blind Random

Proximity distribution

Distance band	Results	Share of 44
0-250 m	8	18.2%
251-500 m	5	11.4%
501-750 m	5	11.4%
751-1,000 m	22	50.0%
1,001-1,100 m	3	6.8%
>1,100 m	1	2.3%

Summary

GeoVENA placed 13 of 44 results (29.5%) within 500 meters of a known lode-gold location, 18 of 44 (40.9%) within 750 meters, 40 of 44 (90.9%) within 1,000 meters, and 43 of 44 (97.7%) within 1,100 meters.

In the blind random comparison, 0.95% of random points fell within 1,000 meters of one of the same known lode-gold locations, compared with 90.9% of the GeoVENA results.

The median proximity of the GeoVENA results was 800 meters. 43 of the 44 results (97.7%) were within 1.1 km of a known lode-gold location.