## Effectiveness of Geophysical Methods in Exploration for Various Mineral Deposit Types

| Geophysical Method | Airborne or Ground | Application | Lode Gold Au | VMS Deposits | Diamonds | MVT Pb-Zn | Sedex Pb Zn | Porphyry Cu Mo Au | Skarn Fe Cu Au | Uranium U | Magmatic Ni Cu PGEs | IOCG Olympic Dam | Carbonatites REE's |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Magnetic** | Air | Geologic Background | | | | | | | | | | | |
| | | Direct Verification | | | | | | | | | | | |
| | Ground | Geologic Background | | | | | | | | | | | |
| | | Direct Verification | | | | | | | | | | | |
| **Electro-Magnetic (EM)** | Air | Geologic Background | | | | | | | | | | | |
| | | Direct Verification | | | | | | | | | | | |
| | Ground | Geologic Background | | | | | | | | | | | |
| | | Direct Verification | | | | | | | | | | | |
| **Electrical (IP + Res)** | Ground | Geologic Background | | | | | | | | | | | |
| | | Direct Verification | | | | | | | | | | | |
| **Gravity** | Air | Geologic Background | | | | | | | | | | | |
| | | Direct Verification | | | | | | | | | | | |
| | Ground | Geologic Background | | | | | | | | | | | |
| | | Direct Verification | | | | | | | | | | | |
| **Radiometric** | Air | Geologic Background | | | | | | | | | | | |
| | | Direct Verification | | | | | | | | | | | |
| | Ground | Geologic Background | | | | | | | | | | | |
| | | Direct Verification | | | | | | | | | | | |
| **Seismic** | Ground | Geologic Background | | | | | | | | | | | |
| | | Direct Verification | | | | | | | | | | | |

Color Legend

- Highly Effective Method
- Moderately Effective Method
- Generally Ineffective Method

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