



UNDERGROUND EXPLORERS

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Hardrock Mine Feature Glossary

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| Adit: | A nearly horizontal passage from the surface into a mine. Adits are typically used for personnel access, haulage and dewatering. |
| Airway: | A passage through which air is carried. |
| Back: | The roof of a passage or cavity. |
| Backfill: | Mine waste or rock dumped in a disused passage or inside cribbing. |
| Bottom: | The floor of a passage or other excavation. |
| Dump: | Waste rock removed by mining and deposited on the surface (not tailings). |
| Collar: | The surface opening of a shaft. |
| Crosscut: | A passage driven perpendicular to the ore vein. |
| Cribbing: | Timbers laid at right angles to each other (like a log cabin) used to support the roof, sometimes filled with rock or debris. |
| Drift: | A nearly horizontal passage within a mine which generally follows the ore vein. |
| Foot wall: | The soil or rock below an orebody. |
| Hanging wall: | The soil or rock above an orebody. |
| Headframe: | Wood, steel or concrete structures constructed over a shaft to support pulleys used with cables and hoists for haulage and access. |
| Level: | Horizontal workings at different elevations. |
| Manway: | A vertical or inclined passage with ladders used for the travel of personnel inside the mine. |
| Ore bin: | A receptacle for ore awaiting sorting, milling or transport. |
| Overburden: | Layers of soil and rock covering the ore vein. |
| Pillar: | An area of rock or ore left to support the overlying strata. |
| Portal: | The entry point of an adit or tunnel. |
| Raise: | An inclined or vertical passage driven upwards within a mine. |
| Rib: | The side wall of a passage. |
| Shaft: | An inclined or vertical passage from the surface into a mine. Shafts are typically used for personnel access, haulage and ventilation. |
| Square set: | Interlocking timbers laid in boxes which can be stacked on top of each other or connected side to side. |
| Stope: | An underground space where ore has been removed. A stope which intersects the surface is known as an open stope. |
| Stull: | A horizontal supporting timber, prop or brace (also known as a stemple) |
| Sump: | A bottom of a shaft or winze specifically designed to collect water. |
| Timber: | A collective term for underground wood supports (also known as timbering). |
| Tailings: | The materials left over after the process of milling. |
| Tunnel: | A nearly horizontal passage from the surface into a mine that is open to the surface on both ends. |
| Void: | A natural cavity in the rock (also called vugs). |
| Waste: | Rock or mineral which has no value but must be removed from a mine to allow access to mineable ore. |
| Winze: | An inclined or vertical passage driven downwards within a mine. |