

MATRIX CREEK DATA SHEET

- **Project Stage:** Grassroots silver-gold exploration play.
- **Location:** Cassia County, Idaho located in T16N R22S, approximately 2 miles north of the Idaho-Utah state line on the west flank of the Albion Metamorphic Core Complex.
- **Ownership:** Otis Gold has an existing 80% interest, with a right to increase ownership to 100%. The claims are subject to a 2.5% NSR.
- **Land:** 22 unpatented lode-mining claims located on BLM-administered land, plus a 320 acre Idaho State Lease.
- **Target:** Detachment-related silver-gold system hosted in brecciated Paleozoic quartzite. A silver/gold-rich black matrix breccia hosts the bulk of the mineralization associated with a basal décollement and corresponding listric faults comprising the main target. The outcrop extent of the breccia is a continuous slab approximately 35 to 40 feet thick and extends 1,000 feet by 600 feet on the surface before it dives below the surface in a synclinal fold.
- **Geology:** The Matrix Creek detachment breccia located on the western margin of the Albion metamorphic core complex is situated in the Basin & Range geologic province of extreme southern Idaho near the Idaho-Nevada border. The detachment extends over 60 miles into Utah. The mineralized zone occurs in Paleozoic quartzite that unconformably overlies Precambrian rocks. The property contains NW-trending faults thought to be related to the Pequop Trend or the Long Canyon Trend. The mineralized matrix-supported breccia has a SiO₂ content of about 95%. Trace element content associated with the Ag-Au mineralization is consistently low with respect to trace elements: Hg, As, Sb, Pb, Zn, Cu, etc.
- **Drilling:** There are no holes that have been drilled into or have tested the black matrix breccia. In 1986, Meridian drilled 5 shallow holes (200 ft) in the footwall of the detachment associated with fracture-related jasperoid within a mylonitized limestone located west of the breccia across a fault valley.
- **Resource:** None defined
- **Metallurgy:** No rigorous metallurgy has been performed other than a couple of preliminary CN soluble Au and Ag assays. The mineralization is amenable to CN leach with Au leaching as high as 82% and Ag as high as 93%.
- **Explor. Potent:** Ore-grade material crops out along a ridge for about 1,000 feet along strike. Of the 14 samples of breccia Otis has collected on the ridge, all samples contain strongly anomalous to ore-grade silver and gold. Gold values as high as 1.34 g/t and silver values as high as 306 g/t have been collected. Otis samples average 0.55 ppm Au and silver values average 70.4 ppm Ag. The samples average 1.67 g/t Au_{eq}.
- **Summary:** Excellent potential to develop a large silver-gold reserve in a detachment setting hosted within brecciated quartzite. This is a new discovery that contains ore-grade material at the surface, yet has never been drill-tested.