

## Al-Hajar Gold Mine

### Location:

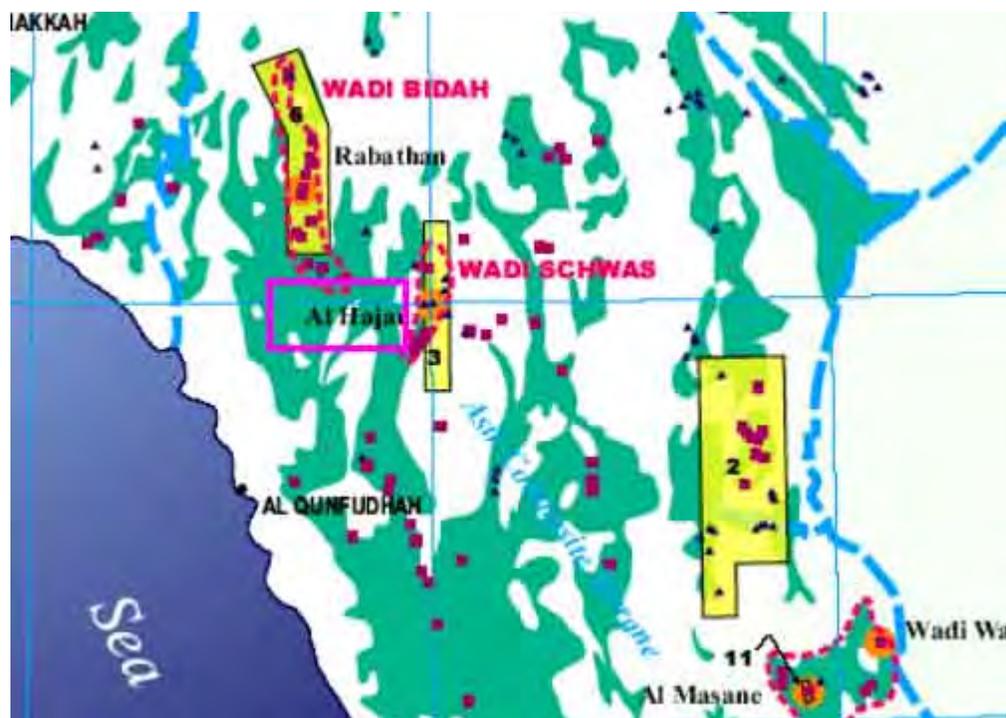
Al-Hajar is Ma'aden's third Gold Mine.

Ma'aden has held a mining license for this mine since 1998.

Al-Hajar is located at Asir Region, in the southwestern of the Kingdom.

Latitude 23 27'N Longitude 45 33'E, 60 Km west of Bishah.

No of employees : 100

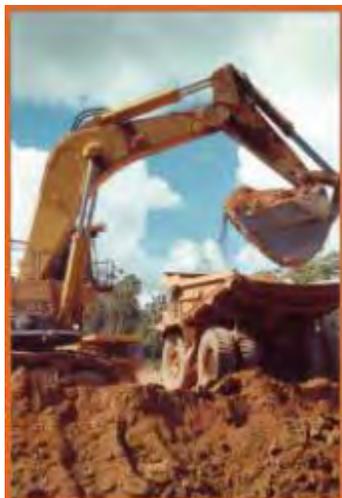


Location map of Al-Hajar Gold Mine

### Resource and Grade:

Al-Hajar deposit occupies two adjacent hills, and is amenable to surface mining. Beneficiation and metallurgical tests have indicated that recovery rates for Gold is up to 80%, while Silver recovery is only 30% as most of the Silver is hosted in Jarosite, an Iron Oxide which is not amenable to leaching.

The area is also known to contain other resources. Plans are being formulated to mine the resources as a satellite operation to Al-Hajar, now in full commercial production.



Al Hajar open pit



Picture of Mill processing at Al-Hajar mine

**Reserve:** Estimated at 3.5 million tons grading 3.28 g/t Gold and 38g/t Silver

**Other Resource:** At Jadmah, some 4Km west of Al -Hajar, a small resource (0.3 Mt) of Gosson has been identified to a depth of 60m at 5.5g/t Au and 56g/t Ag

**Production:** 35,000 oz of gold and 180,000 oz of silver per year.

**Deposit:** Oxidized gossan related to massive sulphide stratiform body

**Host Rock:** Rhyolitic Lavas with flanking Breccias and Tuffs.

**Process Route:** Heap leach cyanidation

**Mining Method:** Open Cut.

### Mining & Processing:

Al Hajar mine began operating at the end of 2000 and will produce 50,000 oz/yr of Gold and 235,000 oz/yr of Silver.

TNT designed, supplied and delivered the crushing and stacking systems for this heap leach project, including crushers, screens, feeders, agglomeration drum, cement silo, hopper, conveyors, sampling system, motor control center (MCC), overland conveyor, portables, and radial stacker.



Ore Dump at Mill Processing



Agglomeration operation at Al-Hajar Mine

Scope designed and supplied the crushing/screening/agglomeration plant and mobile heap leach stacking system, with fabrication carried out in Saudi Arabia.

The MCC for the crushing plant was designed and constructed inside an ocean-going container