

FIRE BRICK OPEN PIT MINE

Exploration Drilling

2018



Grant Lake Corporation

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Executive Summary

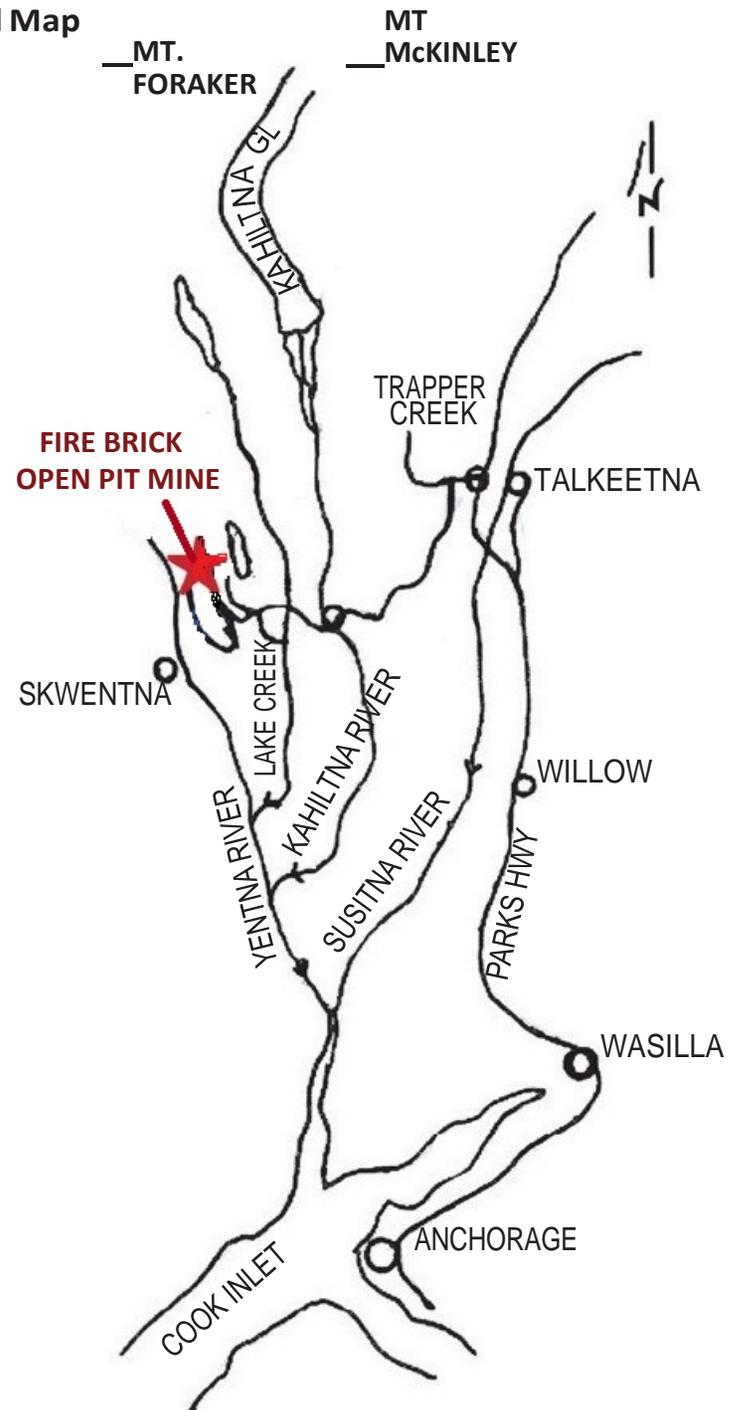
The Fire Brick Open Pit Mine was discovered by Diamond Gold Corporation in 1997. The mine is located in the Yenlo Hills of Alaska. The prospect has been extensively explored and sampled from 1997-2016. In 2010, the ore body was core drilled to a depth of 300'.

The strike is 5,000' long by 1,500' wide by 500' deep. Total inferred ore reserves are 300 million tons. Surface samples average .028 opt gold, .2 opt silver, 1.25 pounds of copper. Up to 71 ppm bismuth is common in both arsenopyrite and quartz samples. Iron occurs as a sulfide/sulfate and as a high-grade magnetite.

Grant Lake Corporation acquired this prospect in September 2017. In 2018, the company plans a \$4 million 20,000' drilling program to indicate the ore body in the west discovery. A contract drilling and geological company will core drill and evaluate a 1,500' by 3,000' area, on a 300' by 300' grid to a depth of 300'. The 2018 drilling program is expected to indicate <108 million tons of ore.

As core drilling will be on-going for several years and this is a remote site, in 2019, a drilling and exploration camp will be constructed to house company personnel and drill crews. The camp modules will be hauled in on an ice road in February 2019. Based on 2018 results, a \$20-30 million 2019 drilling program will measure the ore reserve on a 100' grid to prove the 108 million ton ore reserve for development as a 10 million ton per year open pit mine.

Regional Map





Topography

Fire Brick Mine is located in the Yenlo Hills, Yentna Mining District, Alaska. The Yenlo Hills are a topographic high-appearing as an island in the Yentna basin.

The hills rise to Mount Yenlo 3,956 feet elevation, which was probably a nunatak during the ice age (Wisconsin-Period 40K or so years ago). Glacial striations have been observed in ridge tops of the hills at 3,200 feet elevation.

Fire Brick is in the low-glacially rounded hills of the Northern Yenlo's. The mine ore body surface elevations range from 1800 feet around the mill-site to 3,000 feet elevation in Sulfide Pass- the gossan area of the extreme southern end of ore.

The main Yenlo Pit portion of the ore body is in a glacially sculpted cirque and bowl-shape. Some of the depression form is probably a per-glacial structure when the intruding Hudson Stock (a layered gabbro) degassed and subsided.

On the north-end of the ore body is a steep-narrow gorge following a prominent fault (S. 15 Zone). A low ridge rising 300 feet elevation separates the S. 15 zone and the Yenlo Pit portion to the south.

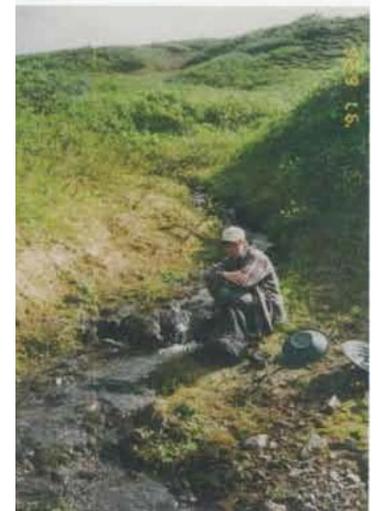


Sulfide Creek drains the Yenlo Pit portion in a steep, structurally-controlled valley rarely exceeding 100-feet in width. The stream is incised into the ore body 50 to 100 feet in depth.

S.15 Stream is much smaller than Sulfide Creek but also structurally controlled. The stream follows a nearly straight course up to exiting the ore body. There it makes a marked turn from its southeast course to northeast and follows the alignment of the Fire Brick Mine ore strike.

Both streams are tributary to Yenlo Creek which flows into Lake Creek.

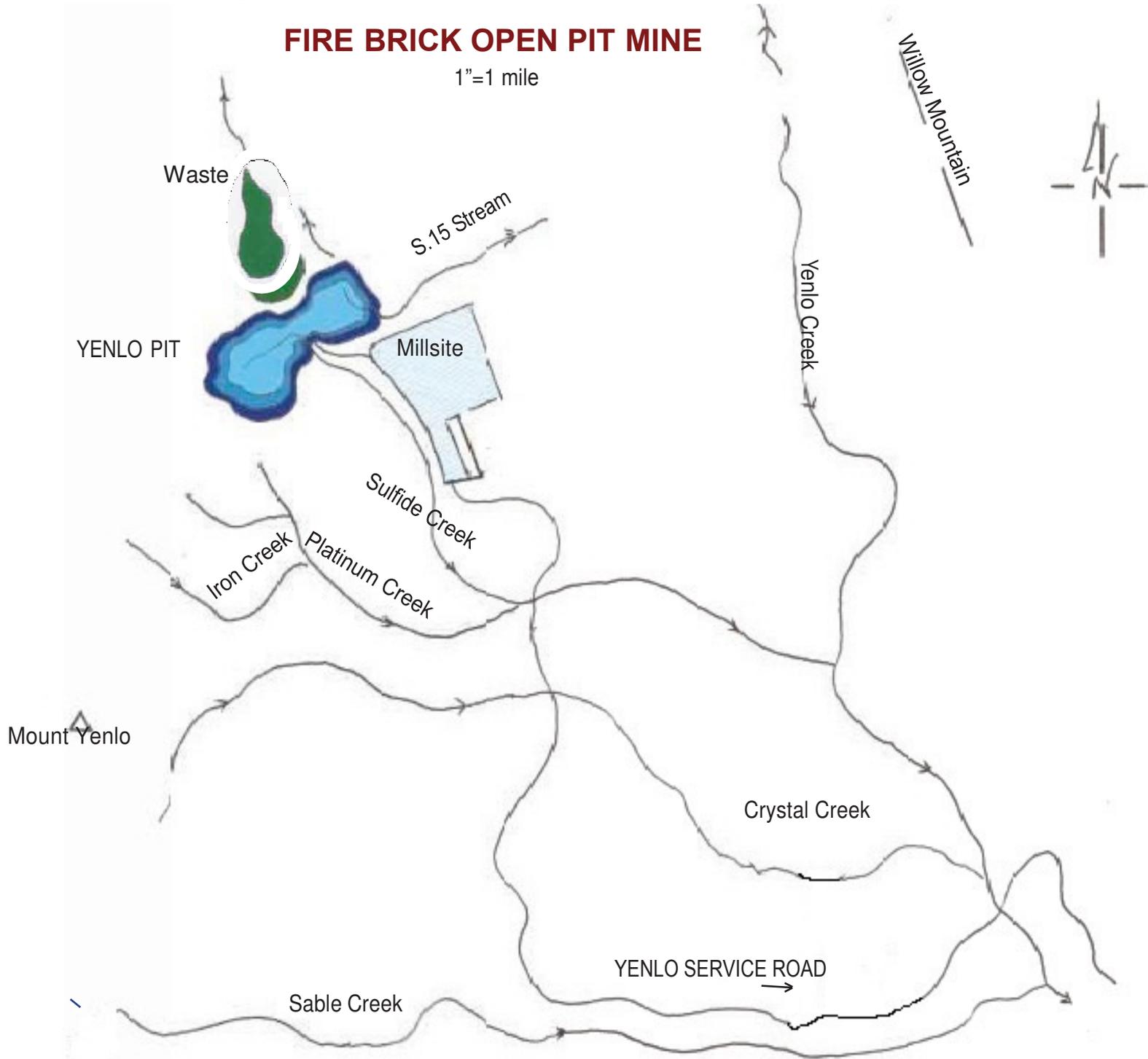
The mill site is on gentle sloping ground and is well drained.



S.15 Stream

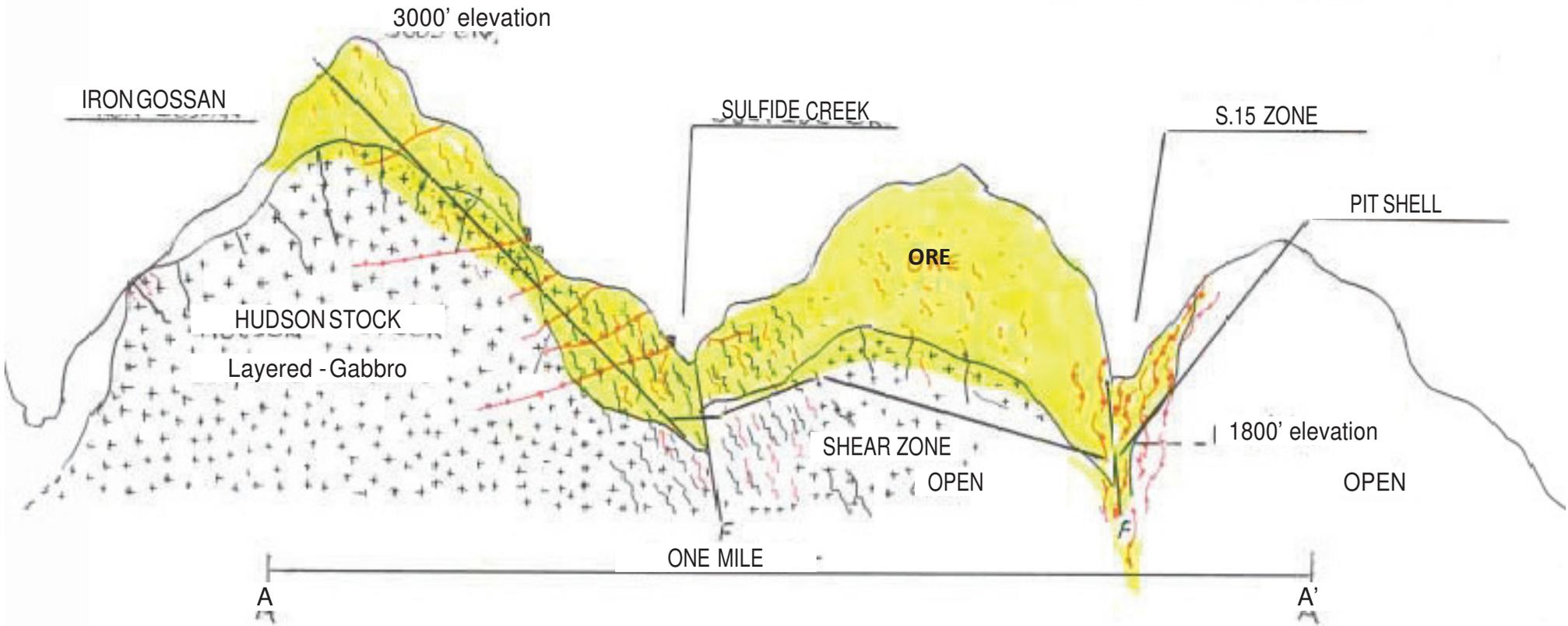
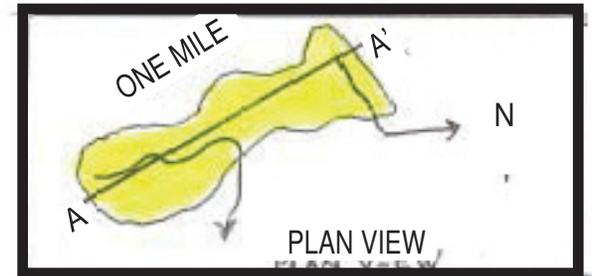
FIRE BRICK OPEN PIT MINE

1"=1 mile



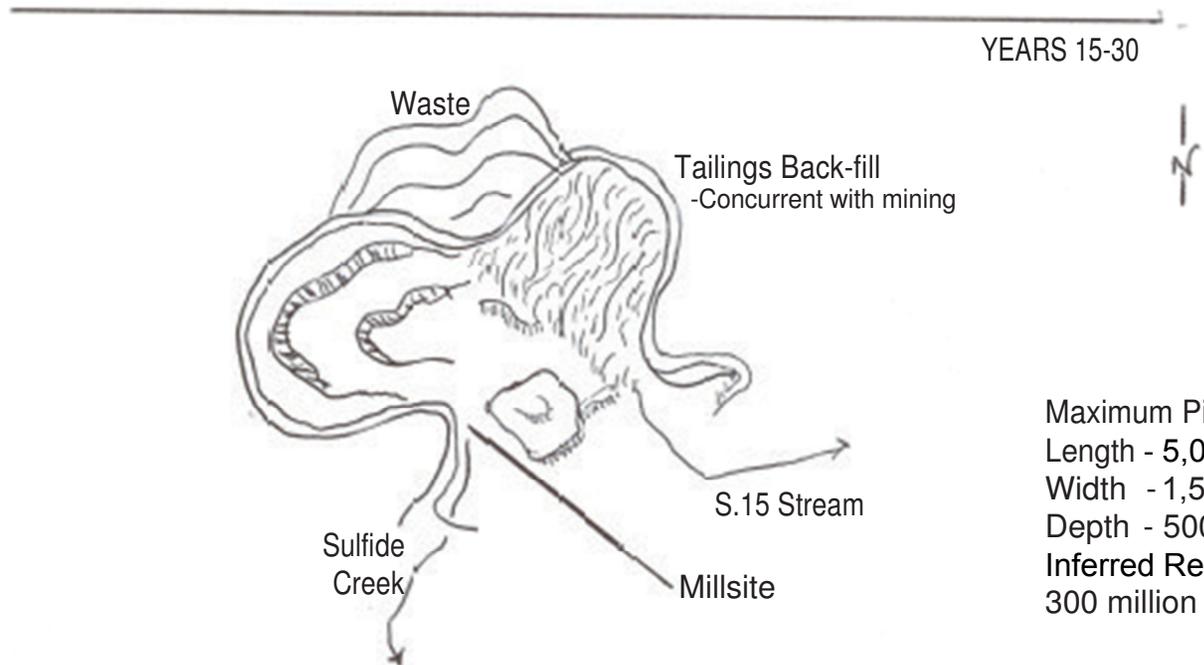
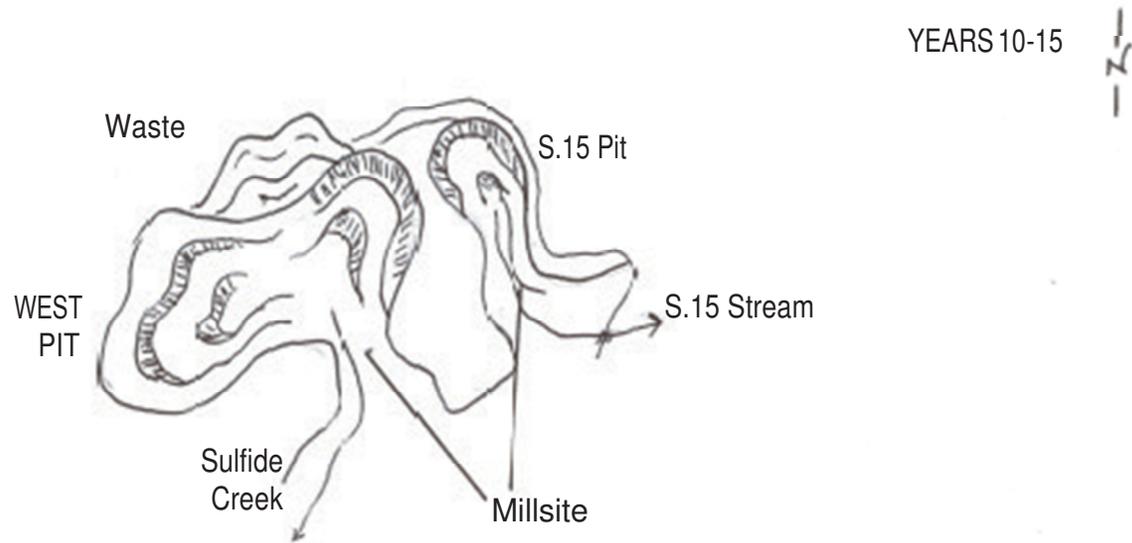
FIRE BRICK OPEN PIT MINE ORE BODY

Cross Section - (Ore strike) Long axis A-A'



FIRE BRICK OPEN PIT MINE

Scale 1"=2000'+



Maximum Pit Dimension
Length - 5,000'
Width - 1,500'
Depth - 500'
Inferred Reserves:
300 million tons ore