FACT SHEET:
TAILINGS ARE SAFE

THE pebble PARTNERSHIP

Engineered for safety.

Our Tailings Storage Facility (TSF) combines natural and engineered features which make sure tailings—and the water they come into contact with—stay put. The final Environmental Impact Statement (EIS) affirms that tailings are no threat to the downstream habitat.

1 The TSF has been designed for maximum safety.

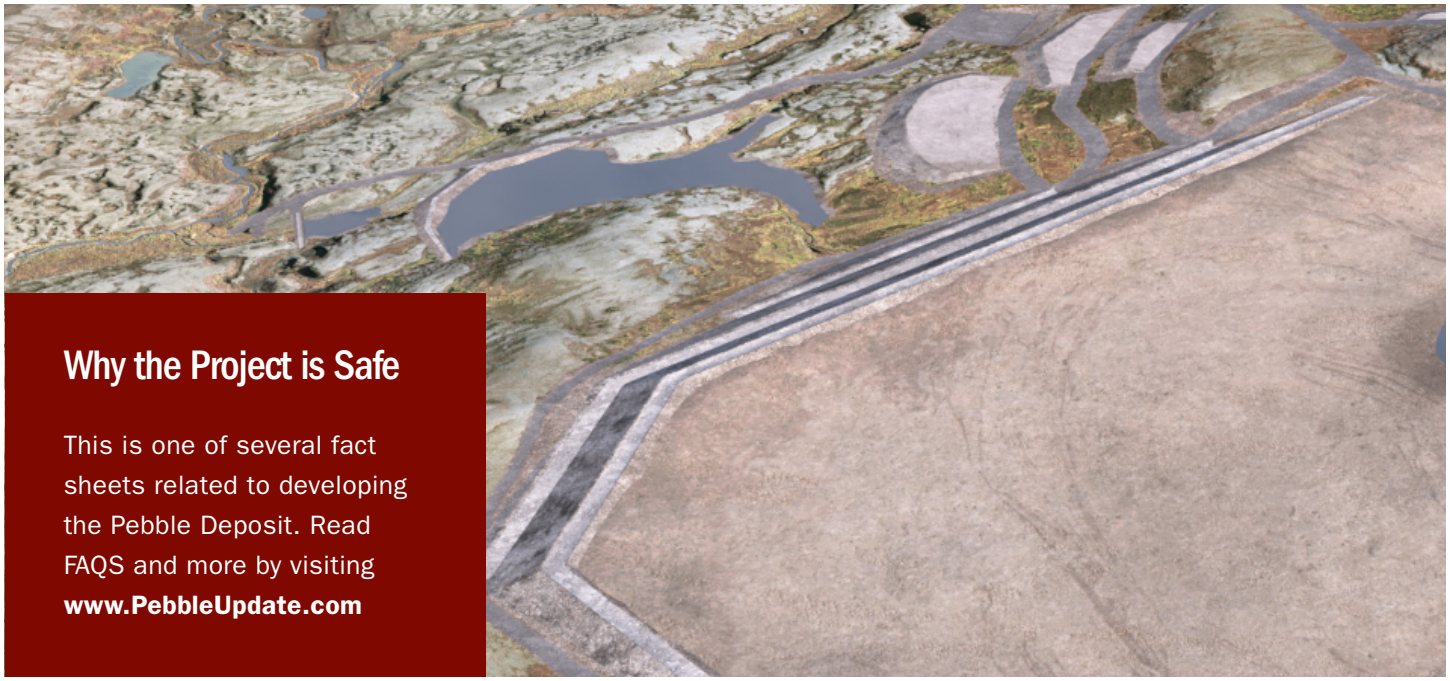
Our Tailings Storage Facility redesign features a **graduated slope** and long beach area, plus a **new buttress for improved stability**.

2 There will be no long-term storage of pyritic tailings.

The pyritic TSF design uses an **impermeable synthetic liner**. And all pyritic tailings will be backhauled to the pit at closure. This means **no "perpetual" storage**.

3 Our design meets Alaska Dam Safety Program requirements.

The TSF design is based on **proven, world-class engineering**. Construction and operations will be **overseen and certified** by the Alaska Dam Safety Program.



Why the Project is Safe

This is one of several fact sheets related to developing the Pebble Deposit. Read FAQS and more by visiting **www.PebbleUpdate.com**

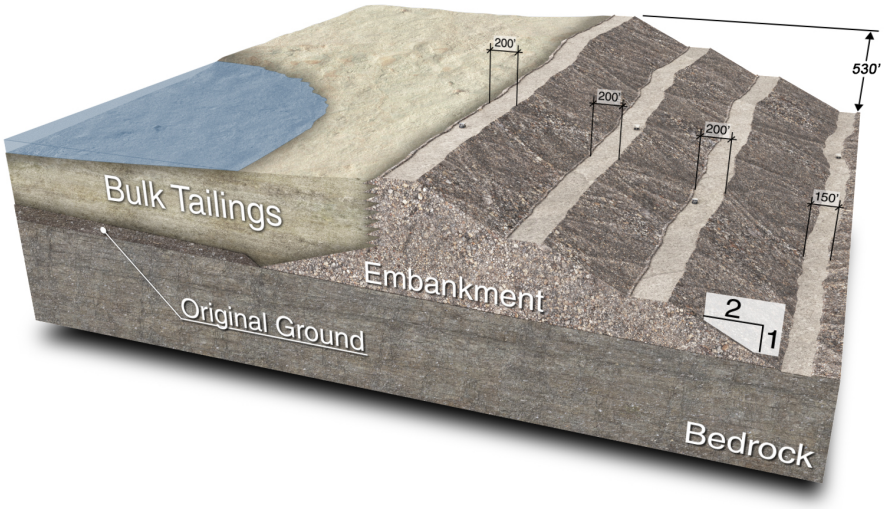
Tailings are just rocks.

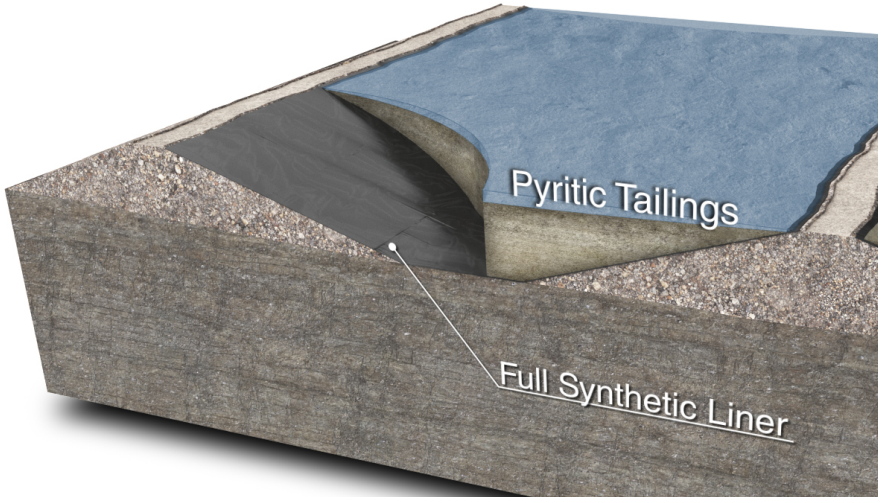
To **extract minerals from ore**, we crush and grind rocks into small particles to **separate out the copper**, molybdenum, and other minerals. What's left behind are tailings.

Approximately **88% of the tailings will be non-acid generating**. But because they're pyritic-rich, the remaining 12% are potentially acid generating — which can occur **if they're allowed to oxidize**.

As a result, **all pyritic tailings will be stored separate from bulk tailings —** and covered by a shallow cap of water to eliminate oxidizing potential. The ground below is protected as well, because **all pyritic tailings storage will be fully lined**.

Tailings will be contained by the TSF embankments, which are more like long hills than walls — **broad at the base and tapering as they rise**. They are stable under the maximum-possible seismic disturbances and **among the most solid, long-standing structures built by man**.





What Does the EIS Say?

the TSF design is based on proven, **world-class engineering**. It will not be a threat to downstream habitat.

According to the EIS analysis, **catastrophic failure is extremely unlikely** (4.27.6.6)— that's what scientists say when they mean **"never."**

Contact the Partnership

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