Pebble Mine
Technical/Mining Concerns

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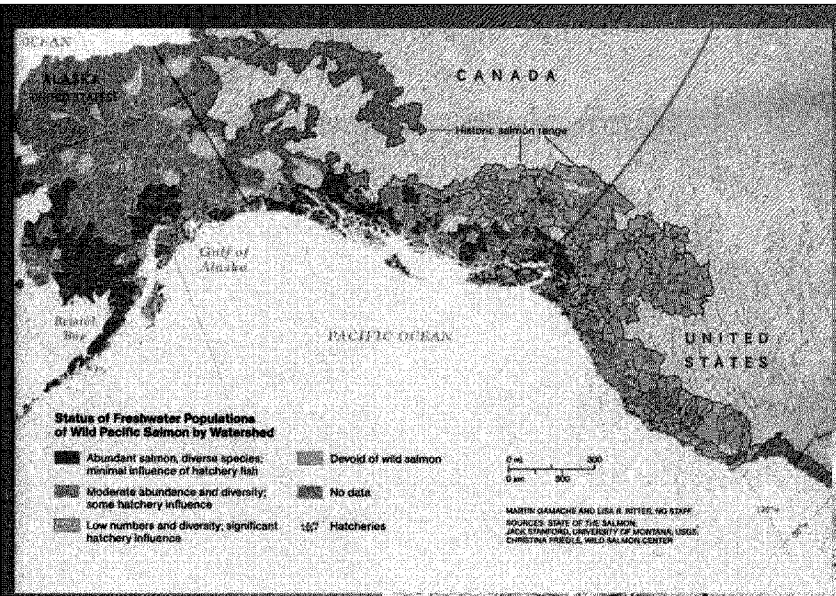
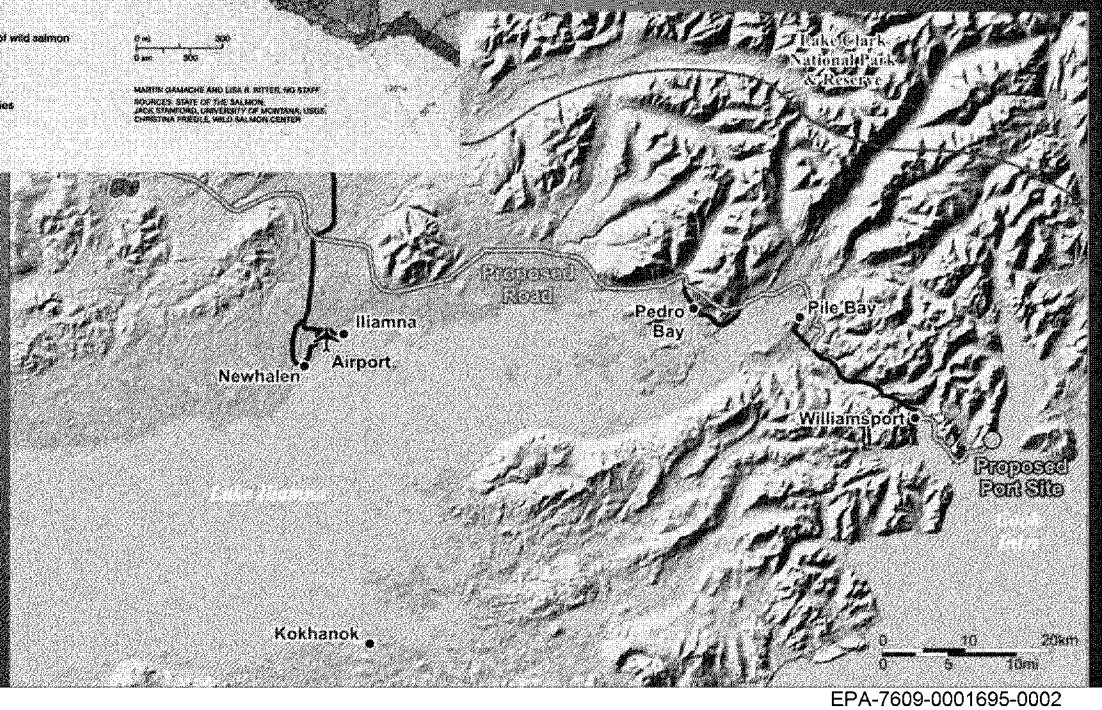
Center for Science in Public Participation

PEBBLE PROJECT LOCATION





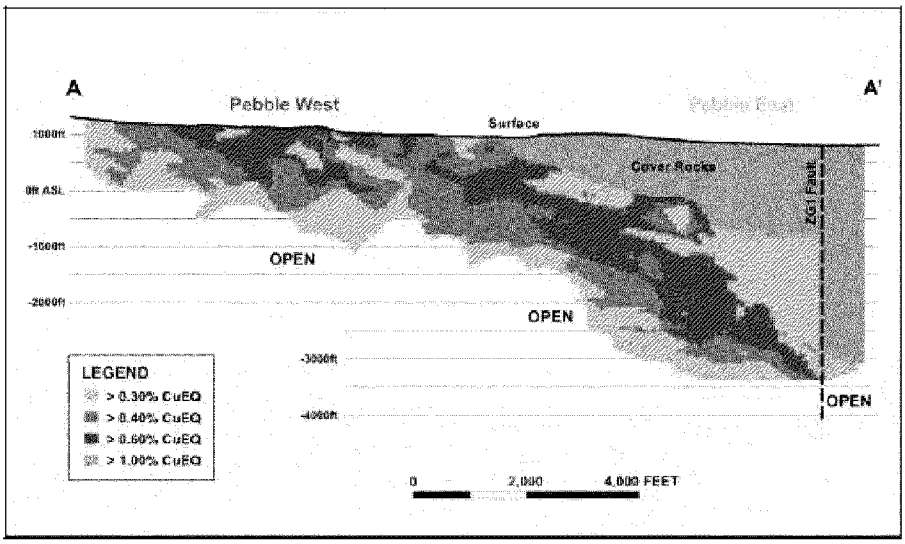
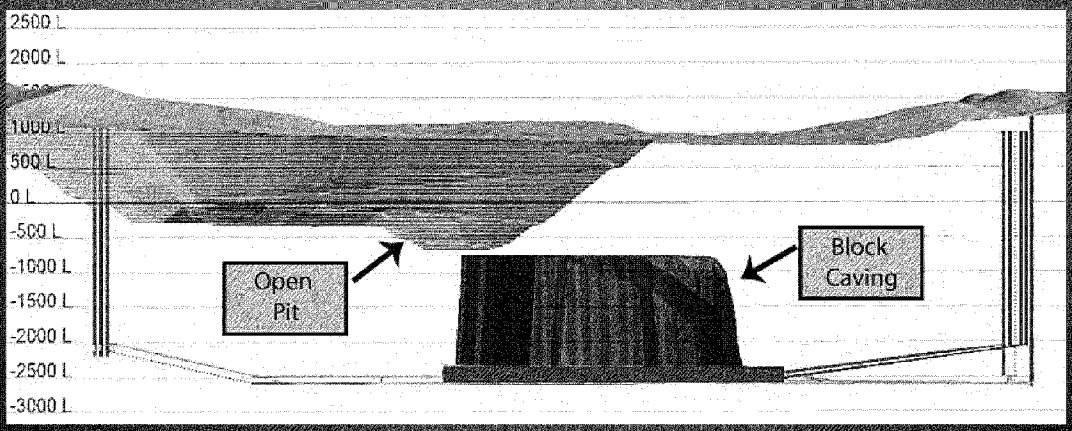


Figure 19.2 Cross Section of Pebble Deposit showing grade distribution in CuEQ from 2008 Mineral Resource Estimate.



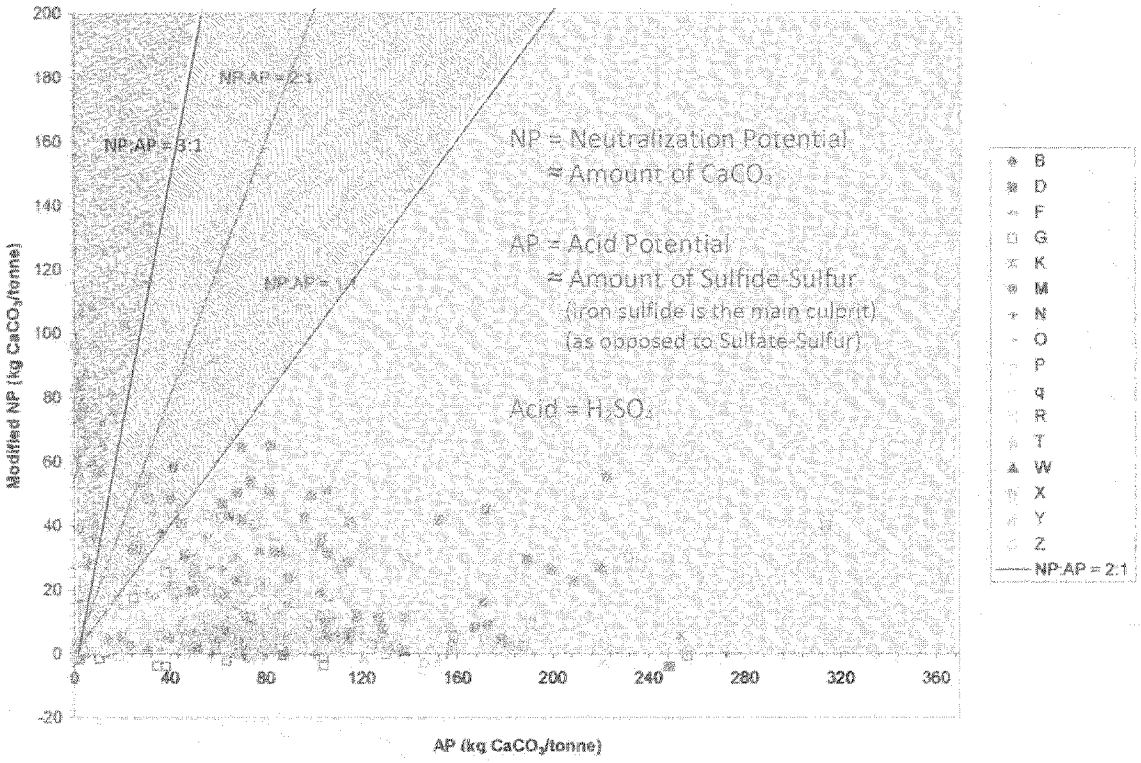
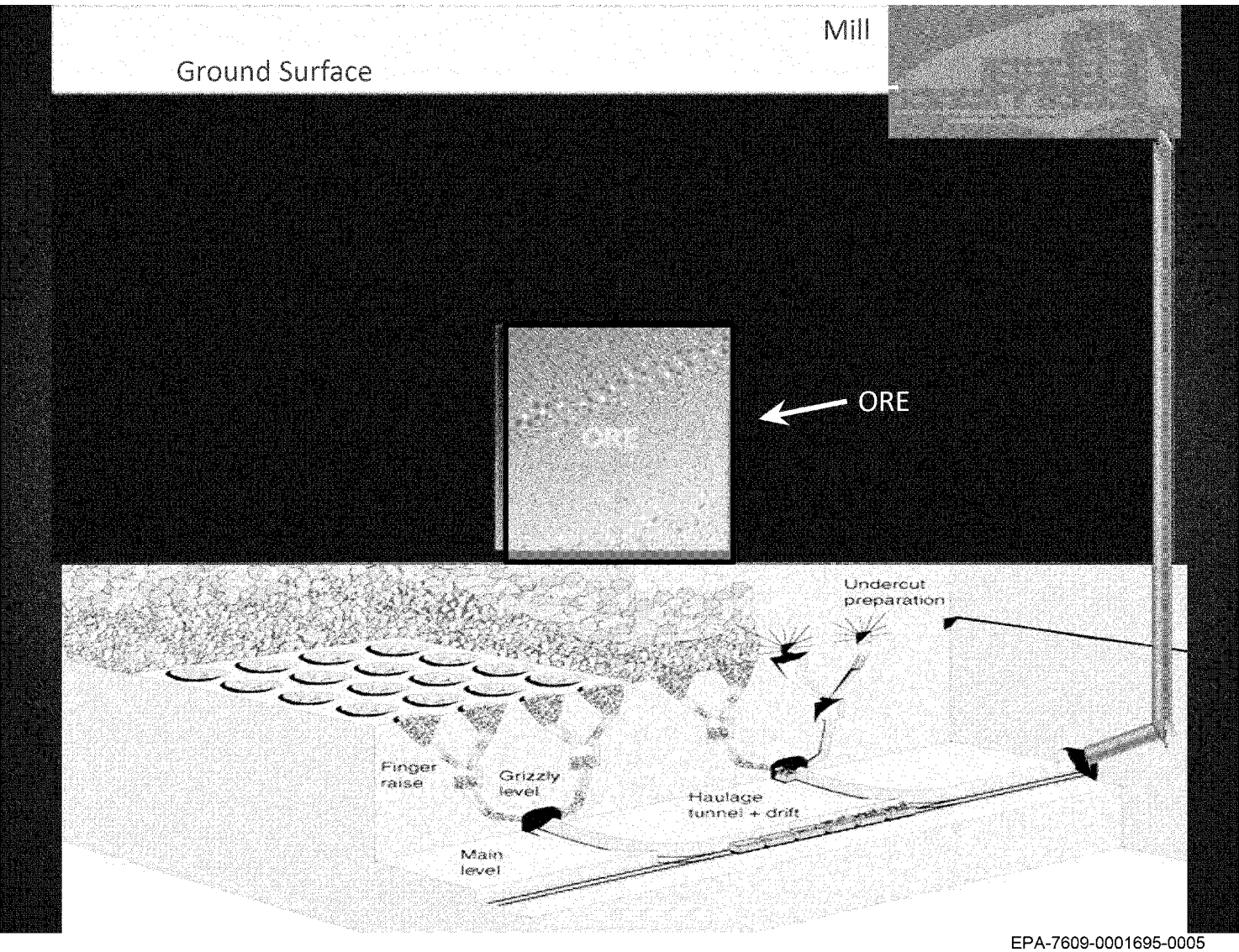


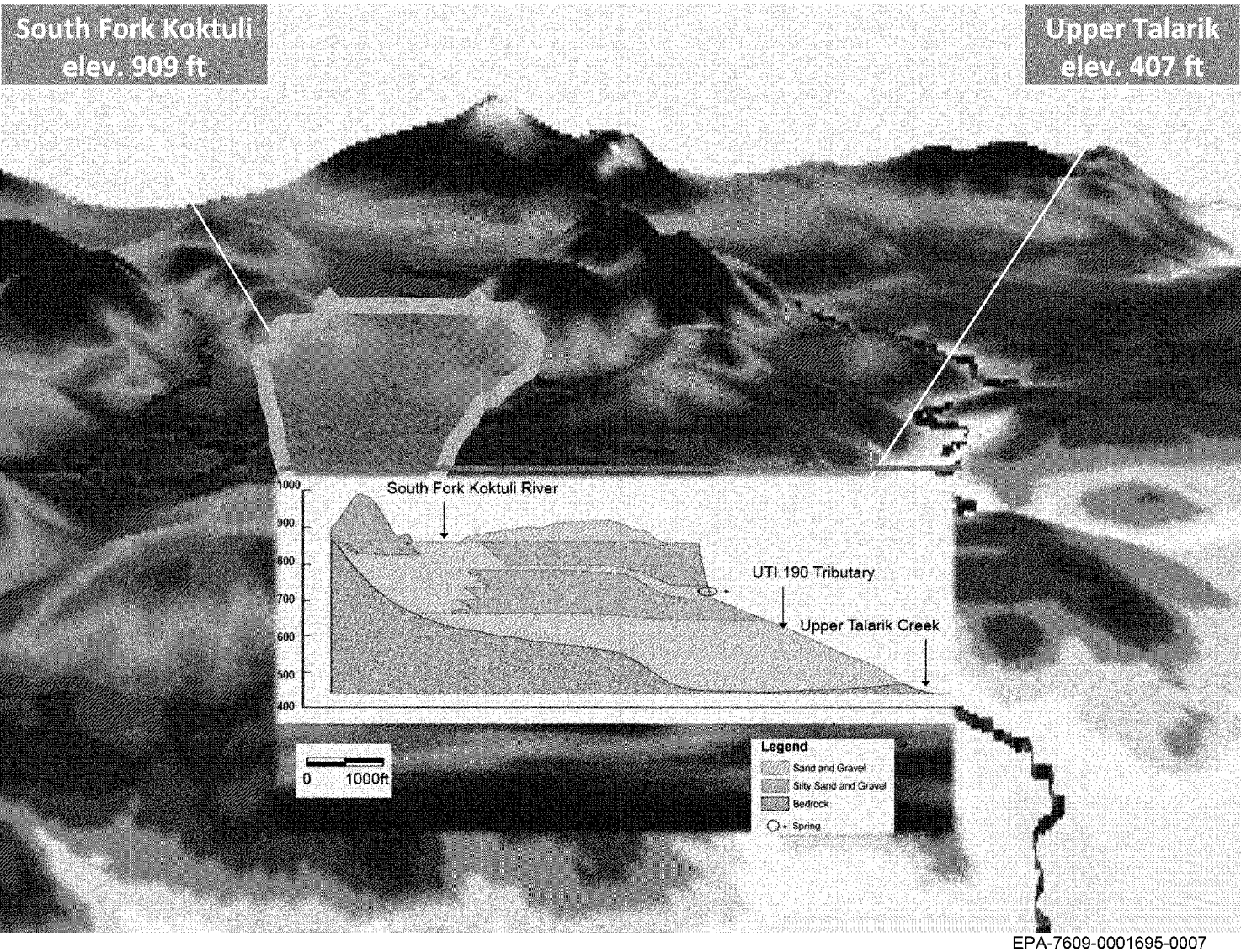
FIGURE 5. Neutralization Potential vs. Acid Potential

399 samples from 65 different drill holes were collected,
all from holes drilled in the period 1988 – 2003 (from Pebble West)

Draft Environmental Baseline Studies 2004 Progress Reports, Chapter 8, Geochemical Characterization & Metals Leaching/Acid Rock Drainage, Northern Dynasty Mines, Inc., June 2005,


Mill
Ground Surface
ORE
ORE
Undercut preparation
Finger raise
Grizzly level
Haulage tunnel + drift
Main level

Berkeley Pit, Butte, Montana (2006)



EPA-7609-0001695-0007

USGS Location for M4.4 Earthquake 12 Jul 07

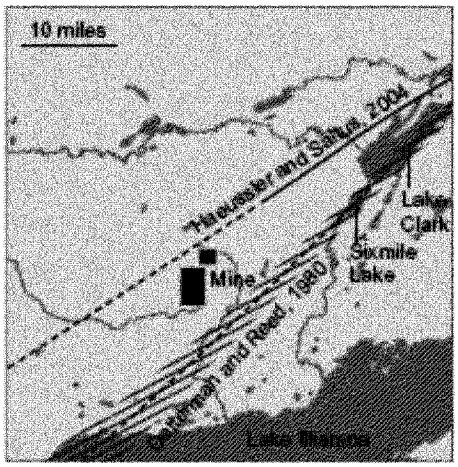
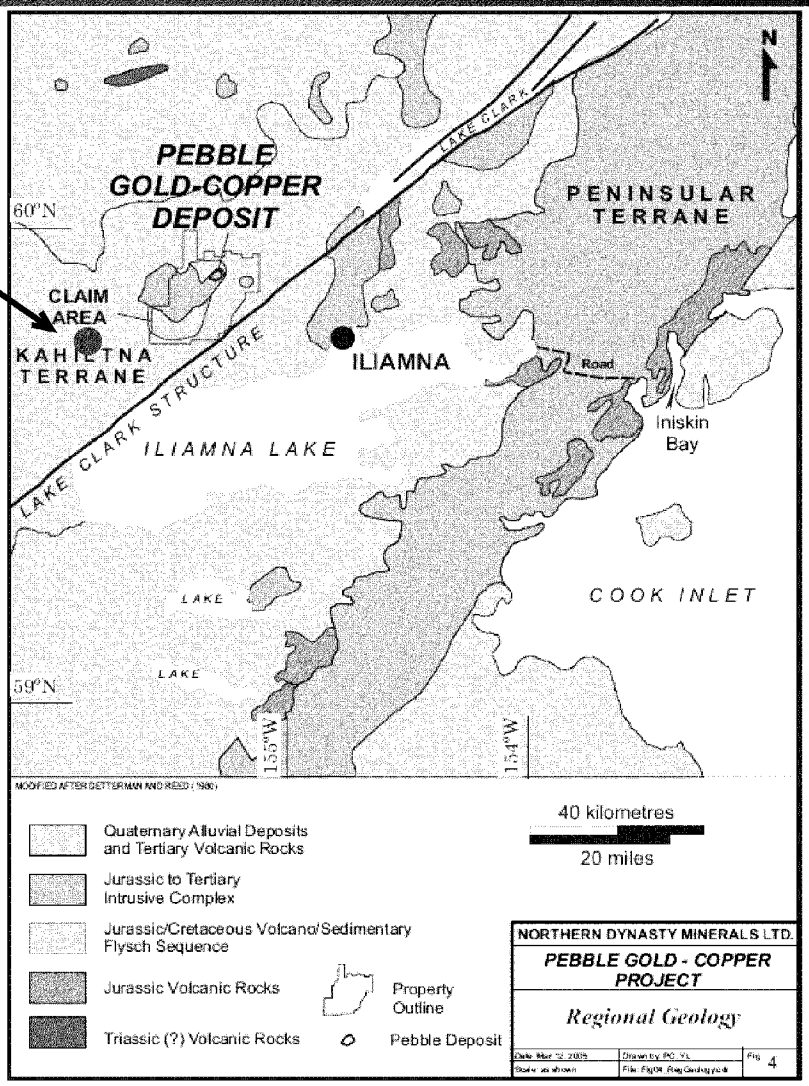
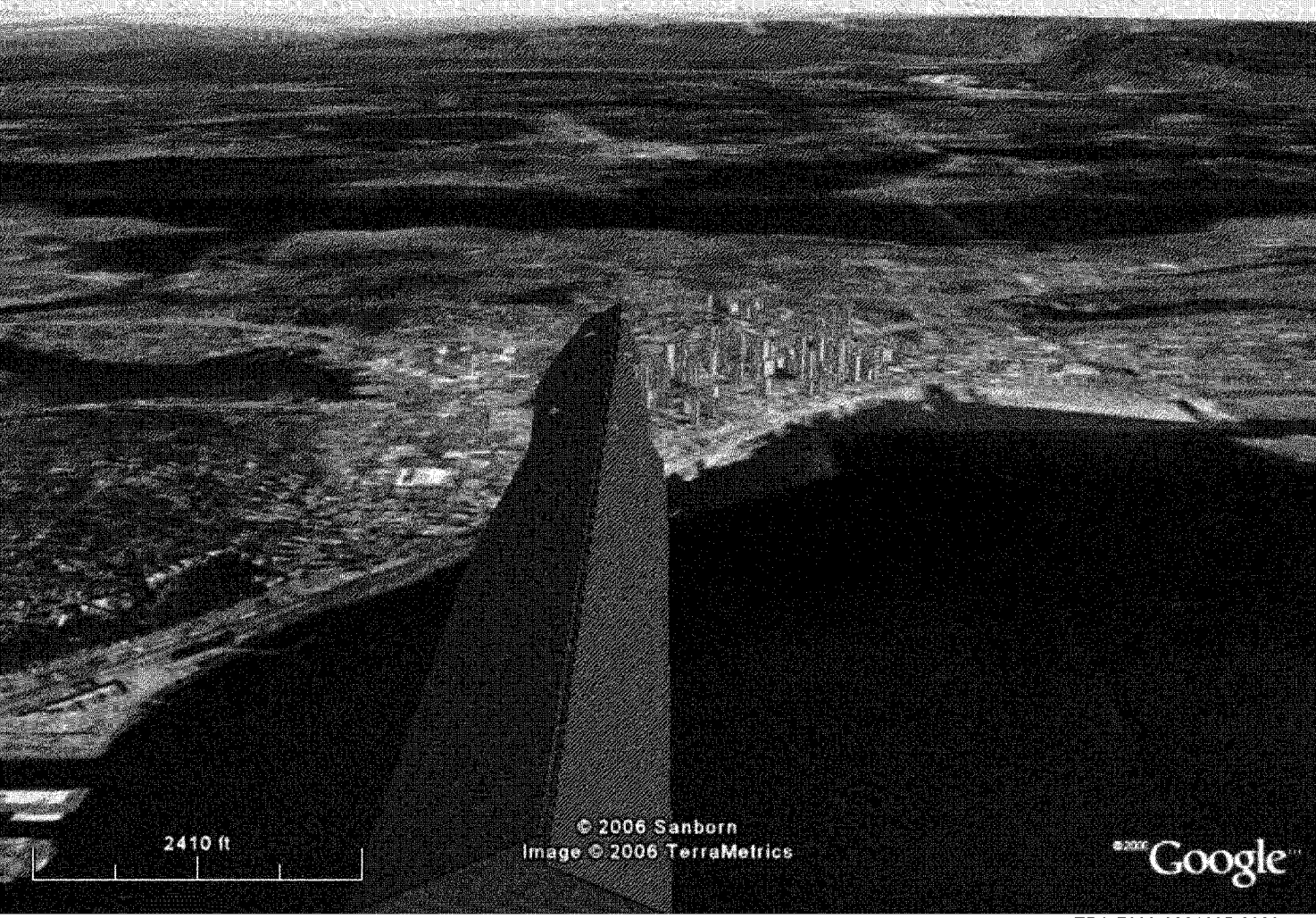


Figure 1. Initial mapping of the Lake Clark Fault extrapolated from over 50 miles northeast, sending it somewhere south of the mine site, probably within 10 miles (Detterman and Reed, 1980). Fault mapping using aeromagnetic methods puts the fault close to the mine, a few miles to the north (Haeussler and Saltus., 2004). In either case the fault is likely closer than 18 miles, the distance Northern Dynasty assumes.



One Proposed Pebble Dam Superimposed on Seattle



Comment: Whether these issues will become actual problems probably won't become apparent until **after** the mine is closed.

QUESTIONS?