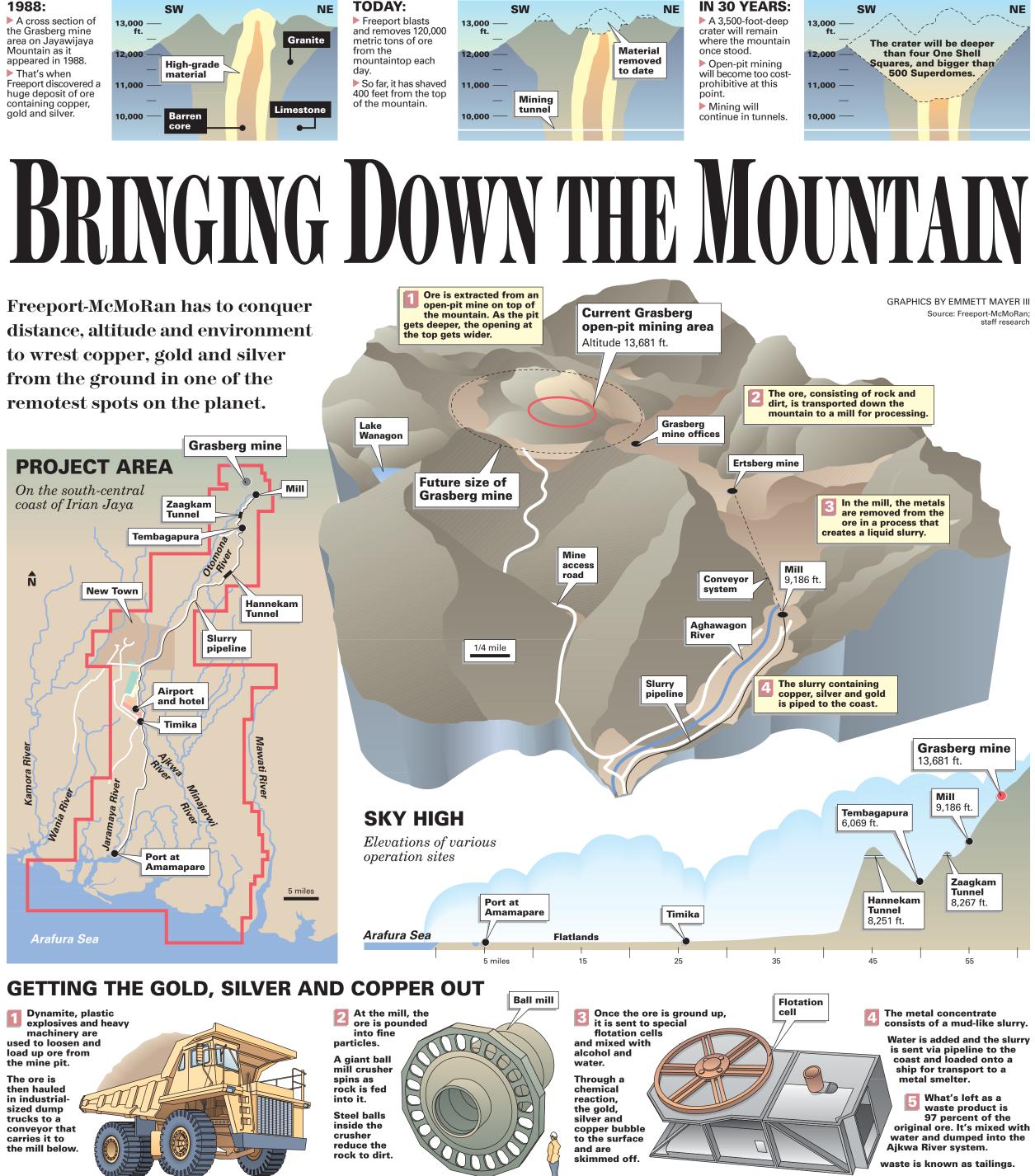
### ROCK AND A HARD PLACE Α



# THE TROUBLE WITH TAILING

Mill

# WHAT ARE **TAILINGS?**

Tailings are like fine dirt. They contain trace amounts of metals, but essentially are unchanged from when they were underground. The waste is dumped into the **Ajkwa River** system, and there the problems begin.

# N Grasberg mine Tembagapura Projected area of overflow Timika without levees

Amamapare

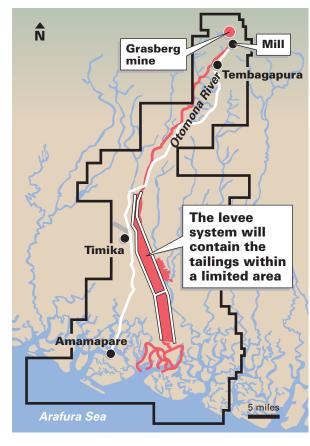
Arafura Sea

# WHAT WOULD HAPPEN IF FREEPORT DID NOTHING

The amount of tailings dumped into the river system each day - 116,000 metric tons currently - is many times more sediment than nature intended the river to handle. Freeport estimates that the Ajkwa River, left unchecked, would clog with tailings, spread out and eventually affect 230 square miles of land.



Tailings can cause flooding that kills trees



## WHAT FREEPORT **IS DOING TO** CONTAIN THE DAMAGE

Freeport is building a \$25 million levee system to contain the Ajkwa **River within a narrow** corridor. If successful. the levees will limit the affected area to about 50 square miles.

# WHAT COULD **GO WRONG**

Freeport wants to increase the amount of tailings dumped into the river each day to 184,000 metric tons. **Some Freeport** environmental officials worry about the ability of the river to handle an unlimited amount of sediment.