

LAKE LOUISE
ALBERTA

SCALE 1:50,000 ÉCHELLE
CONTOUR INTERVAL 40 METRES
Elevations in Metres Above Mean Sea Level

Metres
1000
0
1000

116°30'W

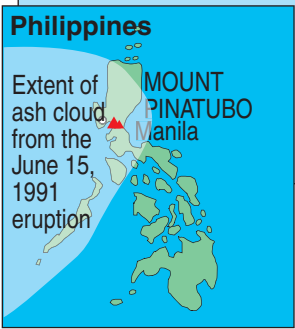
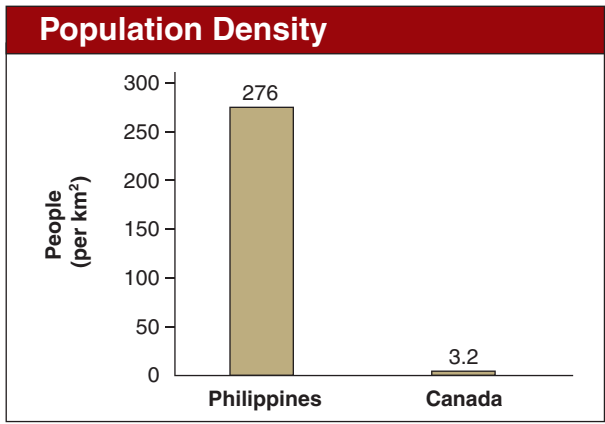
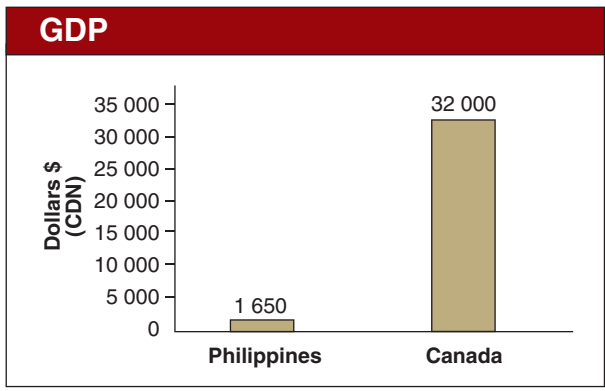
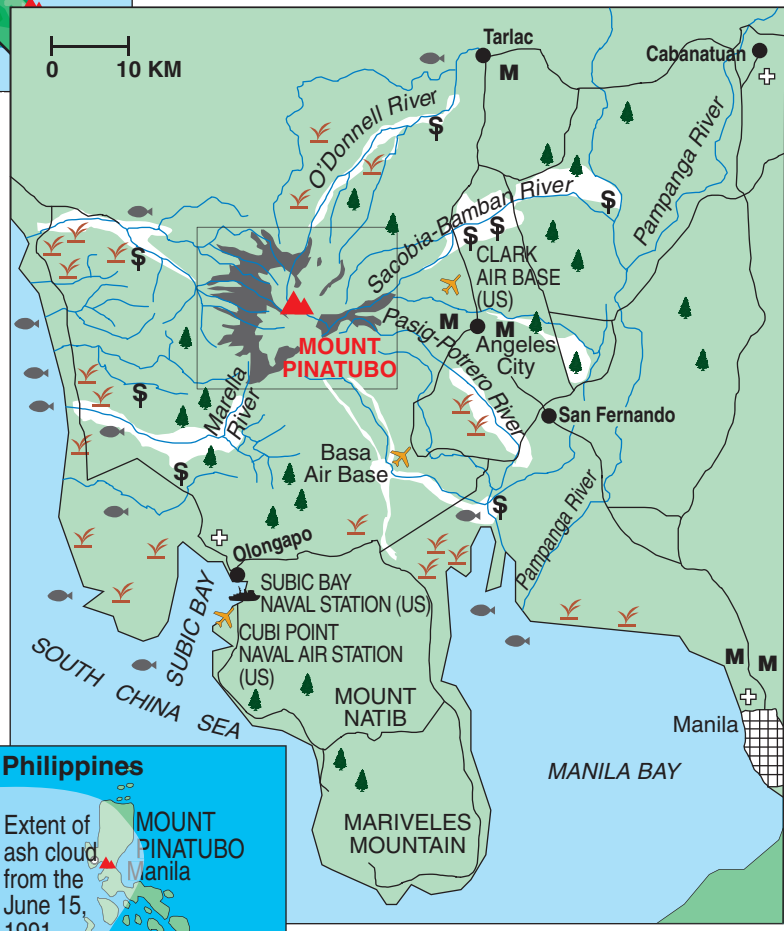
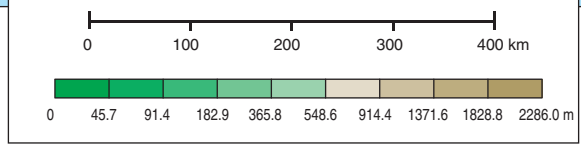
MOUNT PINATUBO 1991 ERUPTION

The Mountain that Woke the World



Legend

- volcanic mountain
- plate movement
- hospital
- manufacturing (furniture, clothes)
- rice paddies
- sugar plantations
- forestry and reforestation areas
- fishing (open water and inland ponds)
- air base
- naval base
- city
- pyroclastic flows
- lahars/mudflow



Timeline of Major Events

July 16, 1990

7.8 earthquake

April 1991

Magma begins to rise in Mount Pinatubo.

June 12, 1991

Philippine Independence Day, interrupted by first eruption.

June 15, 1991

Pinatubo explodes with an ash cloud rising 35 km into the air.

Ashbelt encircles the globe in the following months.

June 17, 1991

The arrival of Typhoon Yunya.



Mid-day one week after the eruption.

Photo by Itsuo Inouye courtesy of www.dailylife.com



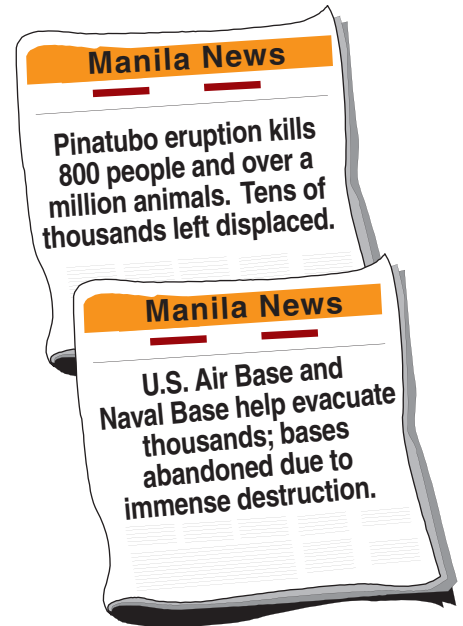
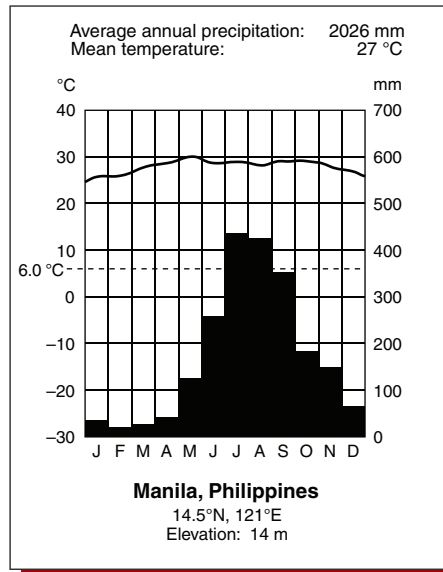
Mudflow and lahars covered many homes.

Courtesy of U.S. Geological Survey



Ash and heavy rains associated with Typhoon Yunya caused havoc in urban areas.

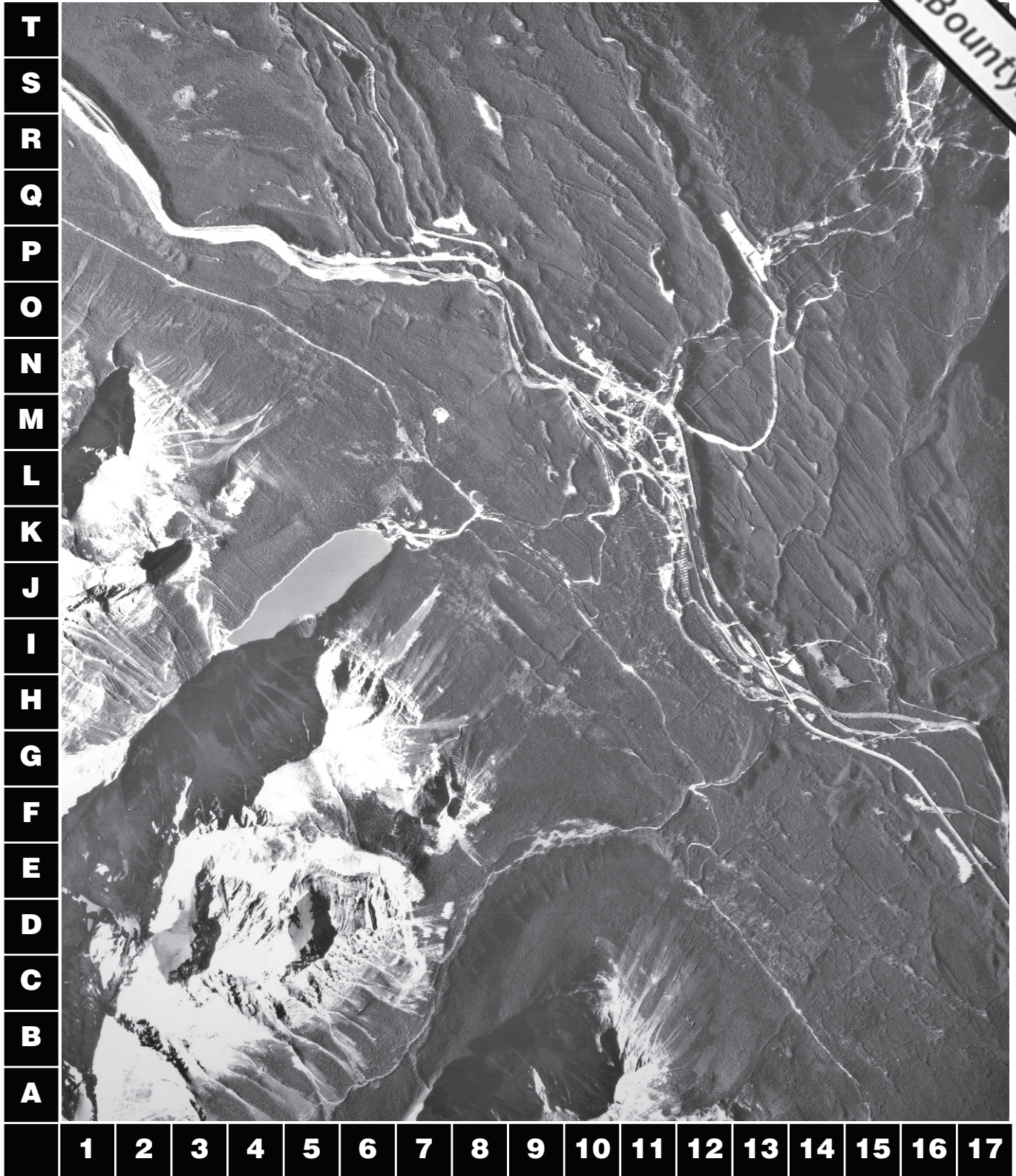
Courtesy of U.S. Geological Survey



Mount Pinatubo explodes in the second largest eruption of the twentieth century.

Courtesy of U.S. Geological Survey

AIR PHOTOGRAPH OF LAKE LOUISE, ALBERTA



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