

**Causes:**

- **Destructive plate boundary**
- **Indian plate being going under underneath the Eurasian plate**
- **Plate movement causes an earthquake**
- **The sea above the earthquake is pushed upwards causing a tsunami**
- **The wave travels at 500km/h in deep water and as it slows in shallow water it rises in height**

**Effects:**

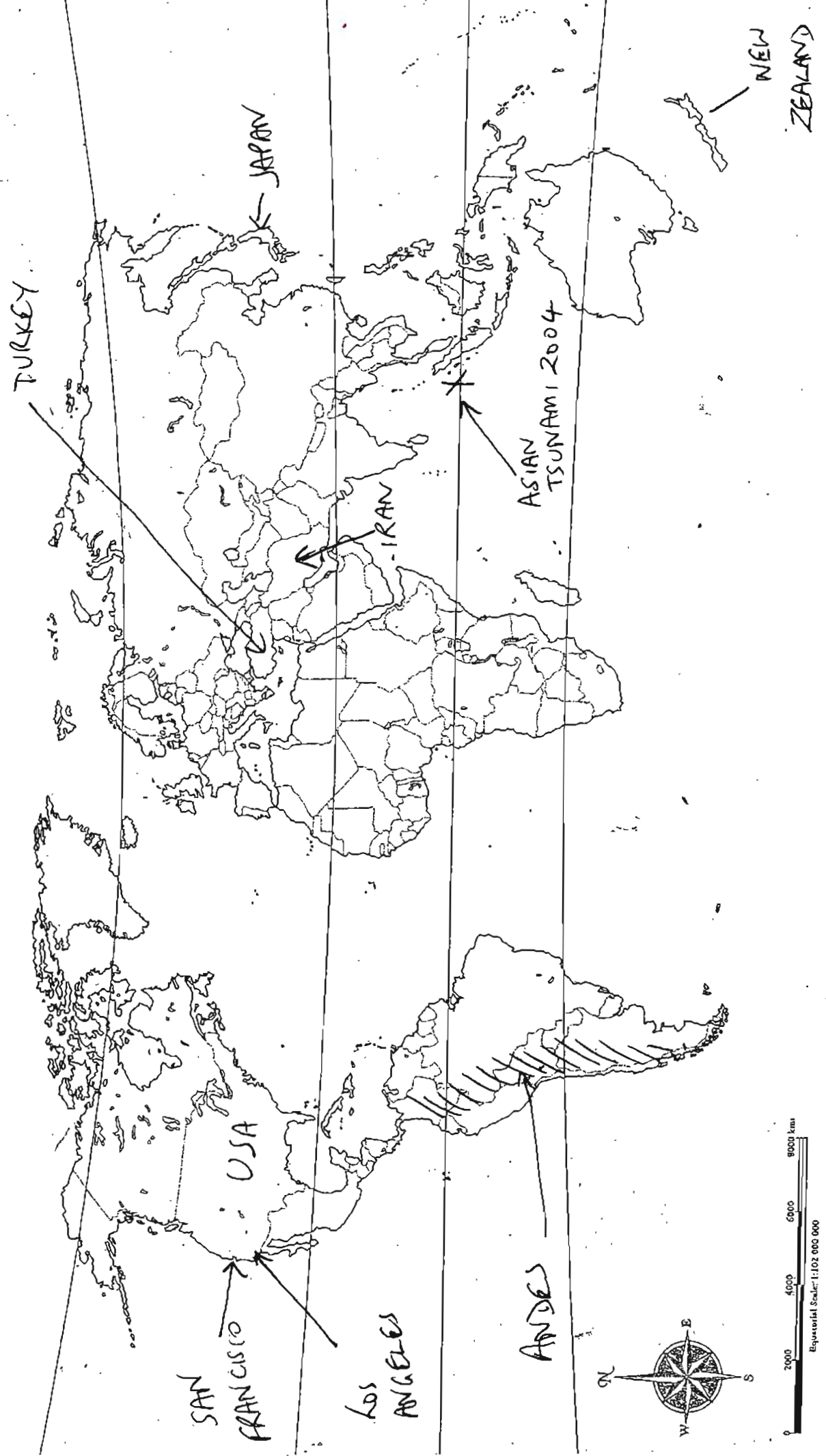
- **300,000 people dead or missing**
- **150,000 people injured**
- **2 million people made homeless**
- **Over \$10 billion of damage**
- **Tourist industry collapsed**
- **Fishing industry badly affected**
- **Coral reefs destroyed by mud**
- **Disease spread after the tsunami as drinking water was contaminated**

**What had been done to reduce the hazard?**

- **Tsunami warning system buoys put in place around the Indian Ocean**
- **Building prohibited within 50 metres of beach front area in Thailand**
- **Educate people so they know what to do if another tsunami struck**
- **Prepare and train emergency services**
- **Sirens to warn people if tsunami is coming**

# CASE STUDIES: ASIAN TSUNAMI 2004

## AND EARTHQUAKES



Key:

