

# USGS Hazard Information Centers 1. National Earthquake Information Center (NEIC) 2. National Geomagnetic Information Center (NGIC) 3. National Landslide Information Center (NLIC) ► USGS

## What Resources does the National Landslide Information Center contain?

- •Hazard Studies from Around the World
- •Fact Sheets, landslide processes and events
- Case Studies Those performed by the USGS
   Landslide Program & others
- Landslide Research Papers & other published information
- Emergency Management Information
- Recent landslide events, chronologically
- •Bibliographic database searchable, interactive
- Photographic Images (most not copyrighted and are public domain)
- Video Tape collection of landslide events & info.
- for loan



## How does the National Landslide Information Center Disseminate Information?

\*Publications – both online, in libraries, and at exhibits WEBSITE Information.

### http://www.geohzards.cr.usgs.gov

- \*Public talks and presentations schools, civic
- \*Exhibits at conferences, schools, and other public forums
- \*Tours of the Landslide Center & free educational materials
- \*Toll-free number for emergencies and information Press releases
- \*Research and publication of subjects such as economic losses, field reports of impacts of landslides



### **International Activities**

- 1. Clearing house for landslide inventory
- Represents USGS Landslide program at meetings of the International Union of Geologic Sciences, United Nations, & other International meetings
- Participation in Workshops for foreign earth scientists - aspects of public information
- 4. Sponsorship of foreign student interns



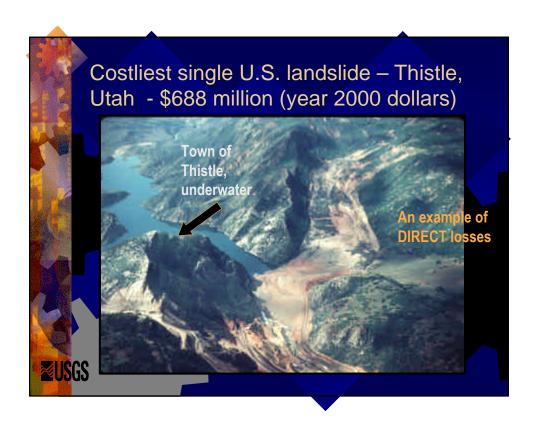
### **FUTURE DIRECTIONS**

- 1. Greater role in landslide inventory and loss studies
- 2. Development of web-based real-time monitoring presentations
- 3. Expanded working relationship with State Geologists
- 4. Enhanced role in Emergency Response

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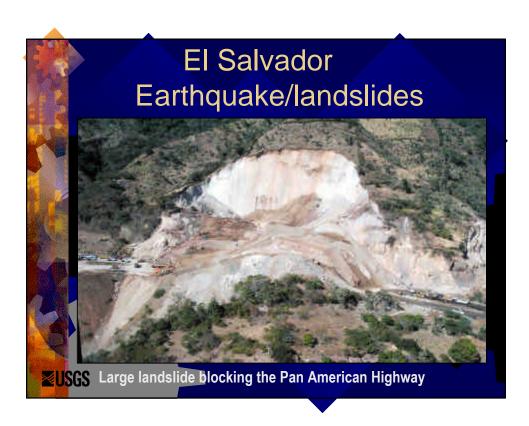
# Losses in North America Canada – Estimates vary between \$70 million and \$1.4 billion (year 2000 dollars) per year Casualties: average - 5 people per year United States – conservative estimate, \$1.6 - \$3.2 billion (year 2000 dollars) – (U.S. National Research Council estimates) Casualties: average - between 25 & 50 people per year











# Landslide effects on the Natural Environment

- Morphology of both subaerial and submarine surfaces of the earth
- The natural forests and grasslands that cover much of earth's surface
- Quality of streams and other bodies of water
- Habitats of native wildlife, on earth's surface and its streams and oceans

THESE LOSSES CAN BE DIRECTLY CONVERTED INTO DOLLAR AMOUNTS