

Map of Quaternary Faults of Bolivia

A project of International Lithosphere Program Task Group II-2, Major Active Faults of the World

A cooperative project between the U.S. Geological Survey (USGS), Research Institute for Development (IRD), and University of Chile (UC).

Data compiled by Alain Lavenu (IRD) and Ricardo Thiele (UC). Digital representation by Richard L. Dart (USGS).

Project coordination by Michael N. Machette (Co-chairman, ILP Task Group II-2).

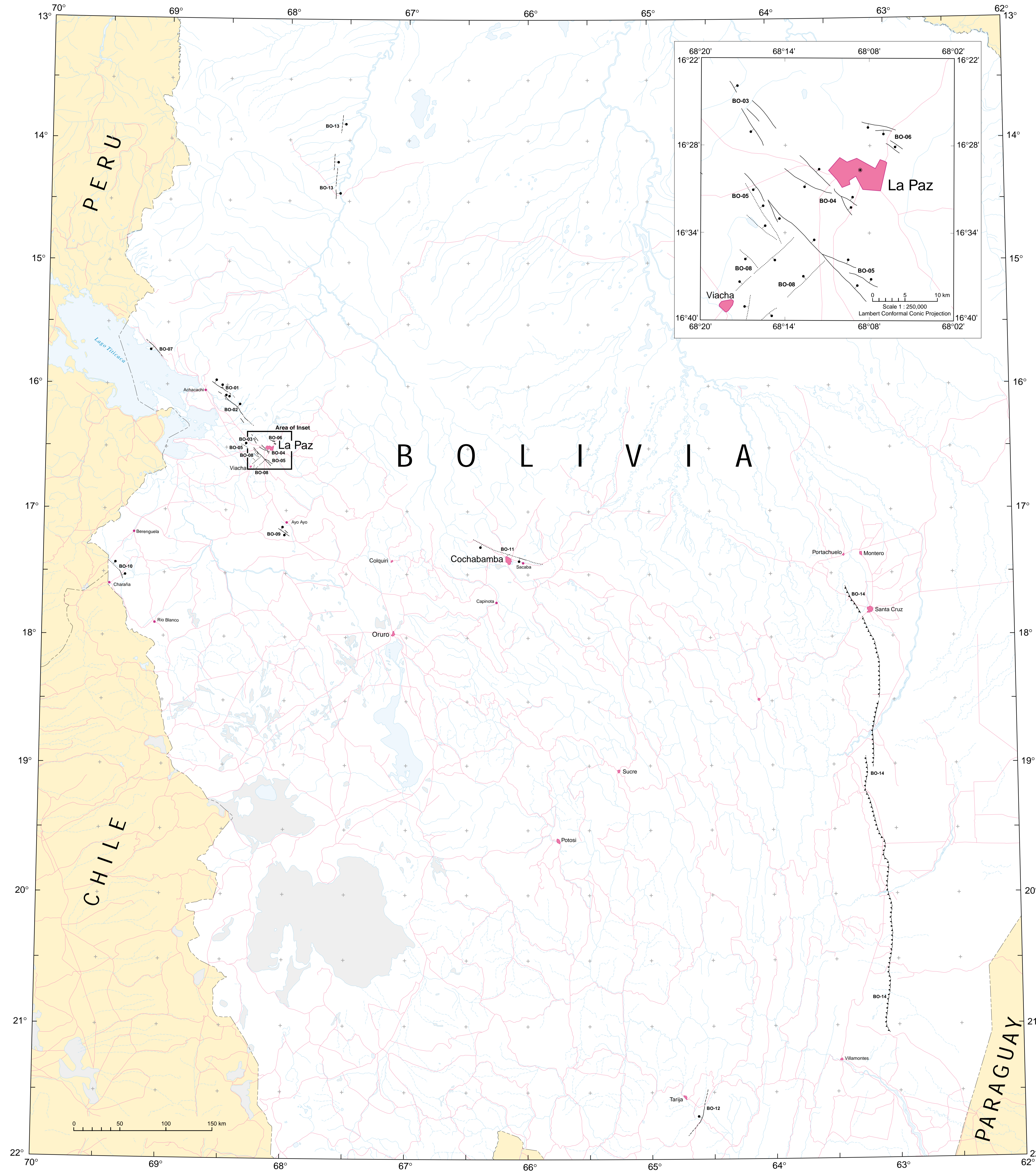
Mapa de Fallas Cuaternarias de Bolivia

Proyecto Internacional de la Litósfera, Grupo de Trabajo II-2, Principales Fallas Activas del Mundo

Un proyecto de cooperación entre el U.S. Geological Survey (USGS), Institut de Recherche pour le Développement (IRD) y Universidad de Chile (UC).

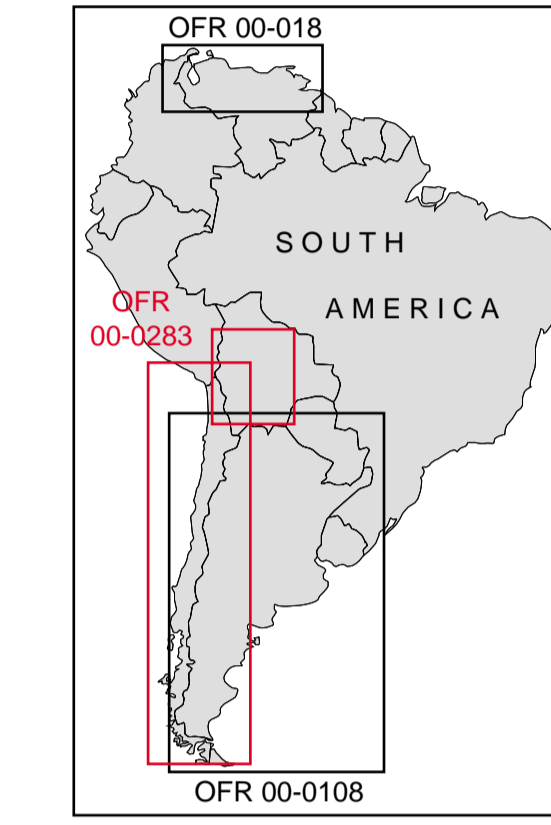
Datos compilados por Alain Lavenu (IRD) y Ricardo Thiele (UC). Representación digital por Richard L. Dart (USGS).

Proyecto coordinado por Michael N. Machette (Co-chairman, ILP Grupo de Trabajo II-2).



2000
Escala 1:1,750,000
Proyección de Lambert Conformal Conic
(1st standard parallel, 17°20'N; 2nd standard parallel, 22°40'N; longitud de central meridiano, 66°W; latitud de proyecciones origin, 0°; Clarke 1866 spheroid)

2000
Escala 1:1,750,000
Proyección de Lambert Conformal Conic
(1st paralelo estándar, 17°20'N; 2nd paralelo estándar, 22°40'N; longitud de meridiano central, 66°W; latitud de escala verdadera 0°; con base en el esteroide Clarke 1866)



QUATERNARY FAULTS OF BOLIVIA FALLAS CUATERNARIAS DE BOLIVIA				
Number	Name of structure	Sense of movement (major/minor)	Time of most recent movement	Slip rate (mm/yr)
Número	Nombre de estructura	Sentido de movimiento (mayor/menor)	Edad del último movimiento	Tasa de movimiento (mm/año)
BO-01	Fault east of Achacachi/Falla al este de Achacachi	Normal	<1.6 Ma	Unknown/desconocida
BO-02	Fault east of Peñas/Falla este de Peñas	Normal	<15 ka	Unknown, probably <0.125; desconocida, probablemente <0.125
BO-03	Kenko fault zone/Zona de falla Kenko	Normal-sinistral	<1.6 Ma	<0.2
BO-04	Lijenas fault/Falla de Lijenas	Normal-dextral	<1.6 Ma	<0.2
BO-05	Amachuma fault/Falla de Amachuma	Normal-sinistral	<1.6 Ma	Unknown/desconocida
BO-06	Quebrada Minasa fault/Falla Quebrada Minasa	Normal-dextral	<1.6 Ma	Unknown, probably <0.2; desconocida, probablemente <0.2
BO-07	Escoma fault/Falla Escoma	Normal	<1.6 Ma	Unknown/desconocida
BO-08	Viacha fault zone/Zona de falla de Viacha	Normal	<1.6 Ma	Unknown/desconocida
BO-09	Ayo Ayo fault/Falla de Ayo Ayo	Normal-dextral	<1.6 Ma	Unknown/desconocida
BO-10	Cuenca de Charaña fault/Falla Cuenca de Charaña	Normal	<1.6 Ma	Unknown/desconocida
BO-11	Tunari fault/Falla Tunari	Normal-dextral	<1.6 Ma	Unknown/desconocida
BO-12	Tarija fault/Falla de Tarija	Normal	<1.6 Ma	Unknown/desconocida
BO-13	Beni River fault/Falla del Río Beni	Normal	<1.6 Ma	Unknown/desconocida
BO-14	Mandeyapuca fault/Falla Mandeyapuca	Reverse	<1.6 Ma	Unknown/desconocida

MAP EXPLANATION		SIMBOLOGIA DEL MAPA	
TIME OF MOST RECENT SURFACE RUPTURE			
—	Historic (year)	—	EDAD DE ÚLTIMA RUPTURA SUPERFICIAL
—	Holocene (<10,000 yrs) or post glacial (<15,000 yrs)	—	Holoceno (<10,000 años) o post glacial (<15,000 años)
—	Quaternary, undifferentiated (<1,600,000 yrs)	—	Cuaternaria, sin diferenciar (<1,600,000 años)
SLIP RATE			
—	> 5 mm/yr	—	TASA DE MOVIMIENTO
—	1-5 mm/yr	—	> 5 mm/año
—	< 1 mm/yr (or unknown)	—	1-5 mm/año
—		—	< 1 mm/año (o desconocida)
QUALITY			
—	Continuous at map scale	—	CALIDAD
---	Poor or discontinuous at map scale	---	Pobre o discontinua a la escala del mapa
.....	Inferred or concealed	Interferida u oculta
STRUCTURE TYPE			
—	Thrust or reverse fault (beeh on upper block)	—	FALLAS
—	Right-lateral (dextral) strike-slip fault	—	Falla inversa o corrimiento (triángulos en bloque superior)
—	Left-lateral (sinistral) strike-slip fault	—	Falla de rumbo dextral
—	Normal fault (bar and ball on downthrown block)	—	Falla de rumbo sinistral
—		—	Falla normal (círculo en bloque hundido)
FOLDS			
—	Anticline	—	PLIEGUES
—	Syncline	—	Arquinal
		—	Sinclinal

Digital data prepared with ARC/INFO version 7.2.1 running under Solaris version 2.6 on a Unix workstation. Last revision May 25, 2000. Map prepared by L.A. Bradley using Adobe Illustrator version 9.0. Last revision September, 2000. This map was produced on request, directly from digital files, on an electronic plotter. It is also available as a PDF file at <http://geomwood.cr.usgs.gov>. This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards. Any use of trade, product, or firm names is for descriptive purposes and does not imply endorsement by the U.S. Government.

