Map of Quaternary Faults and Folds of Peru and Its Offshore Regions

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

A cooperative project of the U.S. Geological Survey, Denver, Colorado
and the URS Corporation.

2003

DIAGRAM OF MAJOR PLATE BOUNDARY FAULTS FOR PERU ESQUEMA DE FALLAS LIMITES DE PLACAS PARA PERU

ILP FAULT MAPS	USGS OPEN-FILE REPORT NO.
1. ARGENTINA	00-103
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11. VENEZUELA	00-018

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RELATIVE PLATE MOTION

No.	Location	Fixed Plate	Moving Plate	Velocity	Direction
1	82°W, 14°S	South America	Nazca	8.0 cm/yr	82.9°
2	74°W, 10°S	Nazca	South America	7.8 cm/yr	258.1°

Source: Relative Plate Motion Calculator, Nuyol-1A Model; Kensaku Tamaki, Ocean Research Institute, University of Tokyo, 1-15-1 Minamidai, Nakano-ku, Tokyo, 164, Japan (tamaki@ori.u-tokyo.ac.jp)

Scale 1:10,000,000; Mercator Projection

International
Lithosphere
Program
(ILP)

Programa
Internacional
de la Litósfera
(ILP)

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This map is available as a PDF file at
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Mapa de Fallas y Pliegues Cuaternarias de Peru y Regiones Oceanicas Adyacentes

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

Un proyecto de cooperacion entre el U.S. Geological Survey, Denver, Colorado
y el URS Corporation

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Number	Name of structure	Sense of movement	Time of most recent	Slip rate
Número	Nombre de structuro	Sentido de movimiento	Edad del último	Tasa de movimiento
		(mayor/menor)	movimiento	(mm/año)
PE-01	Amudapa fault zone	Reverse	<1.6 Ma	<1 (7)
PE-02	Shitani fault	Sinistral	<15 ka	<1 (7)
PE-03	Chaquibamba fault	Normal	Historic (1937)	<1 (7)
PE-04	Eastern Boundary fault	Normal	<15 ka(?)	1-5(?)
PE-05	Quiches fault	Normal	Historic (1946)	<1
PE-06	Cordillera Blanca fault zone	Normal	<15 ka	<1
PE-06a	Section A	Normal	<15 ka	<1
PE-06b	Section B	Normal	<15 ka	1-5
PE-06c	Section C	Normal	<15 ka	1-5
PE-06d	Section D	Normal	<15 ka	1-5
PE-07	Cayesh fault	Normal	<1.6 Ma	<1
PE-08	Huaylipallana fault	Reverse, sinistral	Historic (1969)	<1 (7)
PE-09	Cuzco fault zone	Normal	Historic (1965 & 1986)	0.2-1
PE-10	Ocoangate fault zone	Normal	<15 ka	0.2-1
PE-11	Vicosca River (fault system)	Sinistral	<1.6 Ma	<0.2
PE-12	Trigal fault	Normal	<15 ka	0.2-1
PE-13	Solarpampa fault	Normal	<15 ka	0.2-1
PE-14	Machado Chico fault	Normal	<1.6 Ma	<0.2
PE-15	Pampa Huancocillo fault	Normal	<1.6 Ma	<0.2
PE-16	Cerro Cordillera fault	Normal	<1.6 Ma	<0.2
PE-16a	Northern section	Normal	<1.6 Ma	<0.2
PE-16b	Central section	Normal	<1.6 Ma	<0.2
PE-16c	Southern section	Normal	<1.6 Ma	<0.2
PE-17	Unnamed fault west of Rio Moquegua	Normal	<1.6 Ma	<0.2
PE-18	Chiloto fault	Normal	<15 ka	<0.2
PE-19	Cerro Loreto fault	Normal	<1.6 Ma	<0.2
PE-20	Chaspaya fault	Normal	<15 ka	<0.2
PE-21	Cerro Chacasco fault	Normal	<1.6 Ma	<0.2
PE-22	Altos los Chilenos fault	Normal	<1.6 Ma	<0.2
PE-23	Cerro Morito fault	Normal	<1.6 Ma	<0.2
PE-24	Pampa Trepiche fault	Normal	<1.6 Ma	<0.2
PE-25	Toquepala fault	Normal	<15 ka	0.2-1.0
PE-25a	Western section	Normal	<15 ka	0.2-1.0
PE-25b	Eastern section	Normal	<15 ka	0.2-1.0
PE-26	Micalaco fault	Normal	<1.6 Ma	<0.2
PE-27	Pampa del Purgatorio fault	Normal	<15 ka	0.2-1.0
PE-27a	Western section	Normal	<15 ka	0.2-1.0
PE-27b	Eastern section	Normal	<15 ka	0.2-1.0
PE-28	Villacollo fault	Normal	<1.6 Ma	<0.2
PE-28a	Northern section	Normal	<1.6 Ma	<0.2
PE-28b	Southern section	Normal	<1.6 Ma	<0.2
PE-29	Cerro Rocoso fault	Normal	<1.6 Ma	<0.2
PE-30	Cerro Caquillico fault	Unknown	<1.6 Ma	<0.2
PE-31	San Francisco fault	Normal	<1.6 Ma	<0.2
PE-32	Peru-Chile trench (Nazca subduction zone)	Thrust	Historic (2001, many prior)	>5 (75-80)