

85°E

90°E

30°N

PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	none	none	none	Very light	Light	Moderate	Moderate/Heavy	Heavy	Very Heavy
PEAK ACC.(%g)	<17	.17-1.4	1.4-3.9	3.9-9.2	9.2-18	18-34	34-65	65-124	>124
PEAK VEL.(cm/s)	<0.1	0.1-1.1	1.1-3.4	3.4-8.1	8.1-16	16-31	31-60	60-116	>116
INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

Convergent

Transform

Ridge

City (Population)

-99 - 610,000620,000 - 2,200,0002,300,000 - 5,700,0005,800,000 - 13,000,00014,000,000 - 36,000,000Slip Region (Bilham, 2004)Hough and Bilham, 2008Slip Region (Bettinelli et al., 2006)

Seismicity (USGS)

Magnitude

34 - 34567 - 8finite_fault_usgs_20150512finite_fault_usgs_20150512

20002ejl_finite_fault.tif

RGB

Red: Band_1Green: Band_2Blue: Band_3

M 7.8

M 7.3

Baglung Pokhara

Bhairawa

Kathmandu

Lalitpur

Ramechhap

1934

1833

Birganj

Gorakhpur

Katmandu

1934

Muzaffarpur

Patna

Bhagalpur

Purnia

Rajbiraj

Biratnagar

Ilam

Siliguri

Gangtok

Alipur Duar

Saidpur

Rangpur

Slip (m)

1

2

3

4

Varanasi



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

25°N