

## TABLE OF CONTENTS

<b>1</b>	<b>INTRODUCTION .....</b>	<b>1</b>
<b>2</b>	<b>SHALLOW ACTIVE TECTONIC REGIONS.....</b>	<b>3</b>
2.1	ABRAHAMSON AND SILVA – 1997.....	5
2.2	BOORE, JOYNER AND FUMAL – 1997 .....	20
2.3	CAMPBELL – 1997.....	30
2.4	SADIGH, CHANG, EGAN, MAKDISI AND YOUNGS – 1997 .....	52
2.5	SPUDICH, JOYNER, LINDH, BOORE MARGARIS AND FLETCHER – 1999 .....	60
2.6	FIELD – 2000.....	66
2.7	CAMPBELL AND BOZORGNIA – 2003 .....	70
2.8	ABRAHAMSON AND SILVA – 2008.....	83
2.9	BOORE AND ATKINSON – 2008 .....	102
2.10	CAMPBELL AND BOZORGNIA – 2008.....	119
2.11	CHIOU AND YOUNGS – 2008 .....	136
2.12	IDRISS – 2008.....	150
2.13	GRAIZER AND KALKAN – 2009 .....	157
<b>3</b>	<b>SHALLOW STABLE TECTONIC REGIONS .....</b>	<b>167</b>
3.1	TORO, ABRAHAMSON AND SCHNEIDER - 1997.....	169
3.2	SOMERVILLE, COLLINS, ABRAHAMSON, GRAVES AND SAIKIA – 2001 .....	178
3.3	CAMPBELL – 2003.....	186
3.4	SILVA, GREGOR AND DARRAGH – 2003 & SILVA, GREGOR AND LEE – 2004 .....	193
3.5	ATKINSON AND BOORE - 2006 .....	270
3.6	ATKINSON – 2008 .....	282
<b>4</b>	<b>SUBDUCTION ZONES.....</b>	<b>290</b>
4.1	YOUNGS, CHIOU, SILVA AND HUMPHREY - 1997 .....	292
4.2	GREGOR, SILVA, WONG AND YOUNGS - 2002.....	301
4.3	ATKINSON AND BOORE - 2003 .....	309
<b>5</b>	<b>OTHER PARTS OF THE WORLD .....</b>	<b>319</b>
5.1	AUSTRALIA: SOMERVILLE, GRAVES, COLLINS, SONG, NI, AND COMMINS – 2009.....	321
5.2	EUROPE: FUKUSHIMA, BERGE-THIERRY, VOLANT, GRIOT-POMMERA, AND COTTON – 2003.....	326
5.3	EUROPE/MIDDLE EAST: AMBRASEYS, DOUGLAS, SARMA AND SMIT – 2005.....	331
5.4	EUROPE/MIDDLE EAST: AKKAR AND BOMMER – 2010 .....	344
5.5	GREECE: DANCIU AND TSELENTIS – 2007 .....	354
5.6	INDIA: SHARMA – 1998.....	362
5.7	JAPAN: KANNO, NARITA, MORIKAWA, FUJIWARA AND FUKUSHIMA – 2006 .....	365
5.8	JAPAN: ZHAO, ZHANG, ASANO, OHNO, OOUCHI, TAKAHASHI, OGAWA, IRIKURA, THIO, SOMERVILLE, FUKUSHIMA AND FUKUSHIMA – 2006 .....	376
5.9	NEW ZEALAND (CRUSTAL): MCVERRY, ZHAO, ABRAHAMSON AND SOMERVILLE – 2006 .....	387
5.10	NEW ZEALAND (SUBDUCTION): MCVERRY, ZHAO, ABRAHAMSON AND SOMERVILLE – 2006 .....	399
5.11	PUERTO RICO: MOTAZEDIAN AND ATKINSON – 2005 .....	410
5.12	TAIWAN: LIN AND LEE – 2008 .....	416
5.13	TURKEY: GÜLKAN AND KALKAN – 2002 .....	424
5.14	TURKEY: KALKAN AND GÜLKAN – 2004 .....	432
<b>6</b>	<b>OTHER PARAMETERS.....</b>	<b>443</b>
6.1	ARIAS INTENSITY: TRAVASAROU, BRAY AND ABRAHAMSON – 2003.....	444
6.2	ARIAS INTENSITY: LEE AND GREEN – 2009.....	450
6.3	CHARACTERISTIC PERIOD: RATHJE, FARAJ, RUSSELL AND BRAY – 2004.....	454
6.4	CHARACTERISTIC PERIOD: LEE AND GREEN – 2009 .....	461
6.5	DAMPING CORRECTION FACTORS: CAMERON AND GREEN – 2007.....	470
6.6	DURATION (BRACKETED AND EFFECTIVE): LEE AND GREEN – 2009 .....	487
6.7	DURATION (SIGNIFICANT): LEE AND GREEN – 2009 .....	494
6.8	EQUIVALENT NUMBER OF STRESS & STRAIN CYCLES: LEE AND GREEN – 2009 .....	498
6.9	DURATION (SIGNIFICANT, BRACKETED AND UNIFORM): BOMMER, STAFFORD AND ALARCÓN – 2009.....	505