

Report Title

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A report on research conducted with support from xx

Report GIRS-2021-xx

Natural Hazards Risk and Resiliency Research Center
B. John Garrick Institute for the Risk Sciences
University of California, Los Angeles (Headquarters)

Month Year

ABSTRACT

Succinct summary of the subject of the study, the general approach taken in the research, the main findings, and their professional significance.

It is preferred to keep the abstract to one page.

ACKNOWLEDGMENTS

Support for the xx research project was provided by xx.

The support of these organizations is gratefully appreciated. The opinions, findings, conclusions or recommendations expressed in this publication are those of the authors and do not necessarily reflect the views of the study sponsors, the B. John Garrick Risk Institute, or the Regents of the University of California.

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1 INTRODUCTION

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1.1 FIRST SUBSECTION

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1. Bulleted lists should have the number or bullet at 0.25 inch and the text starting at 0.5 inch
2. All text should have at least 16 pt line spacing
3. Use 6 pt spacing above and below paragraphs.
4. Apply full justification of paragraphs.

5. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Here is a bulleted list (itemize) in the same format as a numbered list (enumerate):

- Item 1
- Item 2
- Item 3

Here is an example equation (see Equation 1.1):

$$a + b = c \tag{1.1}$$

1.2 SECOND SUBSECTION

Text goes here. See Figure 1.1.

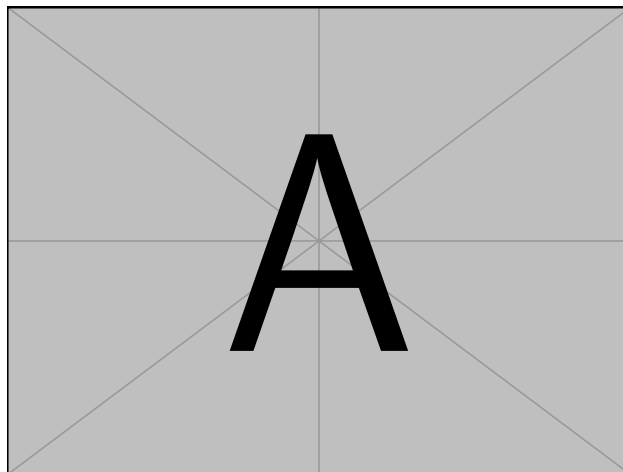


Figure 1.1. A much longer figure description, one that is far too long for the table of contents snippet. Use Calibri 11 pt bold for Figure X.X text and Table X.X text. Remaining caption text not bold. Figure captions go below figures, table captions go above tables.

And here is an example table (Table 1.1). **Users of this template will have to be mindful of the table formatting.** This example uses the *booktabs* package (see [online documentation](#)) to format the lines for the table. Users may use their preferred packages for table management, provided the formatting is maintained. Note that (i) top and bottom horizontal lines are thick (1.5pt); (ii) double horizontal lines below header row; and (iii) thin horizontal lines (0.5pt) between internal rows and columns. This example also uses the *threeparttable* package (see [online documentation](#)) to format the footnote for the table, and the *array* package (see [online documentation](#)) to format the cell justification (also see the *formatting.sty* file, #9).

Table 1.1. A much longer table description, one that is too long for the table of contents snippet. Example of a table that includes footnotes. Note that table font different from that in the main text - non bold Calibri.

Reference	M range	R_{rup} or R_{hyp} range (km)	N events	N recs	Event-types distinguished?
Crouse et al. 1988 ¹	5.1–8.2	28–470	84	129	No
Youngs et al. 1997	5.0–8.2	8.5–550	160	474	Yes; interface, intraslab
Atkinson and Boore 2003	5.5–8.3	10–400	77	1148	Yes; interface, intraslab
Abrahamson et al. 2016	5.0–8.4	13–3070	292	9946	Yes; interface, intraslab

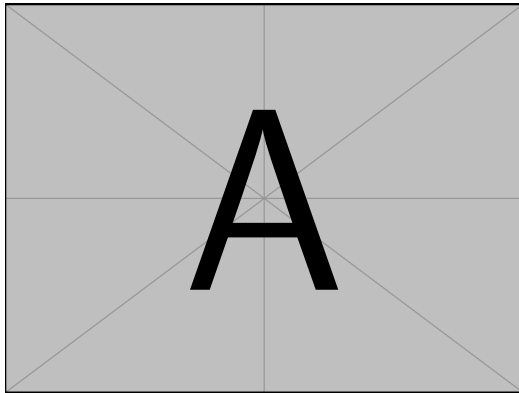
¹ The database from Crouse et al. (1988) was subsequently updated for the development of a GMPE by Crouse (1991), but event details for the latter were not presented and hence are not shown in Table 1.1. The expanded Crouse (1991) database was used subsequently by Youngs et al. (1997)

1.2.1 2nd Level Subsection

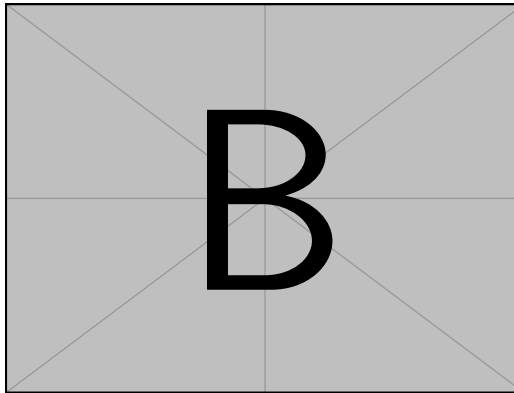
Subsection text is also not indented in the first paragraph, but is intended for subsequent paragraphs.

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Figure 1.2 is an example figure for subplots, and you can reference a specific subplot like Figure 1.2a. It is set up in landscape page format



(a) Optional subcaption



(b)

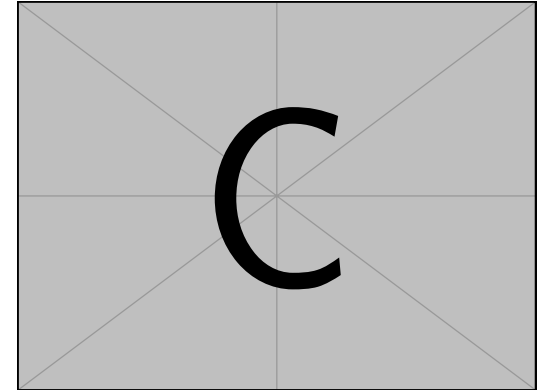


Figure 1.2. A much longer figure description, one that is too long for the table of contents snippet. This example uses subfigures on a landscape layout. (a) You can give an optional subcaption. (b) Omit the subcaption and just use this main caption for text. (right) You can omit the a/b/c labels and use left/middle/right descriptions in this main caption.

REFERENCES

- Abrahamson, N., Gregor, N., and Addo, K. (2016). "BC Hydro ground motion prediction equations for subduction earthquakes." *Earthquake Spectra*, 32(1), 23-44.
- Atkinson, G. M. and Boore, D. M. (2003). "Empirical ground-motion relations for subduction-zone earthquakes and their application to Cascadia and other regions." *Bulletin of the Seismological Society of America*, 93(4), 1703-1729.
- Crouse, C., Vyas, Y. K., and Schell, B. A. (1988). "Ground motions from subduction-zone earthquakes." *Bulletin of the Seismological Society of America*, 78(1), 1-25.
- Youngs, R., Chiou, S.-J., Silva, W., and Humphrey, J. (1997). "Strong ground motion attenuation relationships for subduction zone earthquakes." *Seismological Research Letters*, 68(1), 58-73.

APPENDIX A

THE TITLE OF THE APPENDIX

A THE TITLE OF THE APPENDIX

The appendix should be formatted the same as the chapters.

A.1 FIRST SECTION

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