

**Tsunami hazard curves and deaggregation plots  
for 20 km coastal sections, derived from the  
2021 National Tsunami Hazard Model**

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## **BIBLIOGRAPHIC REFERENCE**

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## ABSTRACT

New Zealand is vulnerable to tsunamis from many sources, and some parts of the coast are more vulnerable than others. The New Zealand National Tsunami Hazard Model (NTHM) provides a nationwide calculation of the level of tsunami hazard, permitting evaluation and comparison of tsunami hazard for the whole coast of New Zealand. The NTHM was originally released in 2013 and subsequently revised in 2021. This report presents results from the 2021 NTHM.

This report contains tsunami hazard curves and deaggregation pie charts for 268 sections of the New Zealand coast, each of which is approximately 20 km long. The results are calculated using the methodology described in the report *The 2021 update to New Zealand's National Tsunami Hazard Model* (Power et al. 2022).

## KEYWORDS

Tsunami, hazard curve, New Zealand, probabilistic



## 1.0 INTRODUCTION

The 2021 update to New Zealand's National Tsunami Hazard Model (NTHM; Power et al. 2022) contained a probabilistic tsunami hazard model covering the entire New Zealand coastline. For that report, the coastline was divided into 268 sections, each approximately 20 km long. Due to space limitations, detailed hazard curves and tsunami-source deaggregation plots were only presented for 16 main urban areas.

This report contains the hazard curves and deaggregation plots for the complete set of all 268 sections. Maps of the coastal sections have been provided in Section 1.2 to help with locating the data for any chosen coastal section.

The methodology for the hazard calculations is exactly the same as appears in Power et al. (2022), which is itself a revision of the original 2013 NTHM methodology (Power 2013), and the details are not reproduced here. Users of the results presented here should bear in mind the modelling limitations described in Section 4 of Power et al. (2022).

A brief explanation of the interpretation of the data in the figures is given in Section 1.1.

### 1.1 Results Interpretation

The coast of New Zealand was divided into 268 sections, each approximately 20 km long as measured along the open coast.<sup>1</sup> Within each section, the model produces a hazard curve that illustrates the expected maximum tsunami height (as defined in Section 6.6 of Power [2013]) as a function of return period. A series of hazard curves for the coastal sections are included in Appendix 1: the solid line indicates the best-estimate hazard curve and the dashed lines are 'error bars' indicating the 16<sup>th</sup> and 84<sup>th</sup> percentile of uncertainty. During a tsunami, the peak water levels will vary considerably even across a 20 km section of coast; in the curves shown here the 'maximum amplitude' should be interpreted as the tsunami height measured at the location within the section where it is highest<sup>2</sup>; the median tsunami height within the section may be significantly lower (see, for example, Power et al. [2010]).

Opposite the hazard curves are two pie charts; these show the breakdown of the relative contribution of different fault sources to the median hazard (i.e. the 50<sup>th</sup> percentile of uncertainty in the hazard curves) at 500 years and 2500 years. The area of each slice of the pie indicates the proportion of the hazard for which a particular fault is responsible – the larger the area the more frequently that source is expected to produce tsunami of the size corresponding to the return period.

The pie charts typically indicate the six tsunami sources that most frequently generate tsunami at the median height (in terms of confidence) for the 500-year and 2500-year return periods. The number of sources shown on the pie charts has been reduced for a few locations in order not to include very small contributions to the deaggregation that make the charts hard to read. The pie charts also show the effective magnitude of earthquakes on these faults that are necessary to generate a tsunami of this height. While these events are estimated to produce tsunami of the same height at the coast, this height may be reached at different locations within

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1 The hazard model in Power et al. (2022) is primarily an open-coast tsunami hazard model. While the modelling did include harbours, they may not be well resolved at the resolution used. Hence, all coastal sections included ~20 km of open coast.

2 Strictly speaking, the 'maximum amplitude' on the tsunami hazard curves is the 99<sup>th</sup> percentile of the modelled tsunami heights at the shore within a coastal section (see Power et al. [2022]).

a coastal section, and the extent of inundation is expected to vary with the number and period (duration) of waves, along with other factors.

The fault labels on the pie charts indicate the estimated effective magnitude that an earthquake on each source would need to be to produce a tsunami that would reach this height according to our deaggregation. The labelling convention is first the fault or subduction zone name, followed by the magnitude from the deaggregation. Abbreviations used for subduction zone names are shown in Table 1.1; local crustal fault names are tabulated in Appendix 1 of Power et al. (2022) and include the New Zealand National Seismic Hazard Model fault numbers from Stirling et al. (2012). Tentatively identified local faults use the naming conventions in Section 2.5 of Power et al. (2022). Sometimes the effective magnitudes may be greater than those considered possible for the fault – this is a consequence of the approximations used to represent the effects of non-uniform slip and other uncertainties by an ‘effective’ magnitude with a uniform slip. In other words, a uniform slip event of this magnitude is used to approximate a non-uniform slip earthquake of lower magnitude.

Table 1.1 Abbreviations for subduction zone names that are used in the deaggregation pie charts.

Abbreviation	Subduction Zone Name
Alaska	Alaska/Aleutians
Cascad	Cascadia
Japan	Japan/Kurile
Kanto	Kanto
Nankai	Nankai/Ryukyu
KurKam	Japan/Kurile
Ryukyu	Nankai/Ryukyu
IzuBon	Izu-Bonin
Marian	Marianas
Nyap	North Yap
PSYap	Palau-South Yap
Hikur	Hikurangi
Kmdec	Kermadec
Tonga	Tonga
Puys	Puysegur
Hjort	Hjort
Sol_Northw	Northwest Solomons
Sol_Southe	Southeast Solomons
NewHeb_North	New Hebrides (North)
NewHeb_Centra	New Hebrides (Central)
NewHeb_South	New Hebrides (South)
NewHeb_Matthe	New Hebrides (Matthew Islands)
NewBrt	New Britain
NGnTre_East	New Guinea (East)
NGnTre_West	New Guinea (West)

<b>Abbreviation</b>	<b>Subduction Zone Name</b>
Manus_East	Manus (East)
Manus_West	Manus (West)
EcCol	South America (Ecuador/Columbia)
Peru	South America (Peru)
Nchile	South America (North Chile)
Cchile	South America (Central Chile)
Patag_North	Patagonia (North)
Patag_South	Patagonia (South)
Mexico_Jalisc	Mexico (Jalisc)
Mexico_Michoa	Mexico (Michoa)
CntrAm_Elsalv	Central America (Elsalv)
CntrAm_Costar	Central America (Costar)
Phppn_Rigid	Philippine Trench
ELzTro	East Luzon Trough
CatTre	Cotabato Trench

## 1.2 Locating Data

Hazard curves and deaggregation plots are featured in Appendix 1. To find the data for a particular section of coast, first identify the section number using Figures 1.1–1.6. Then use this number to find the appropriate page in the Appendix using the Contents List.

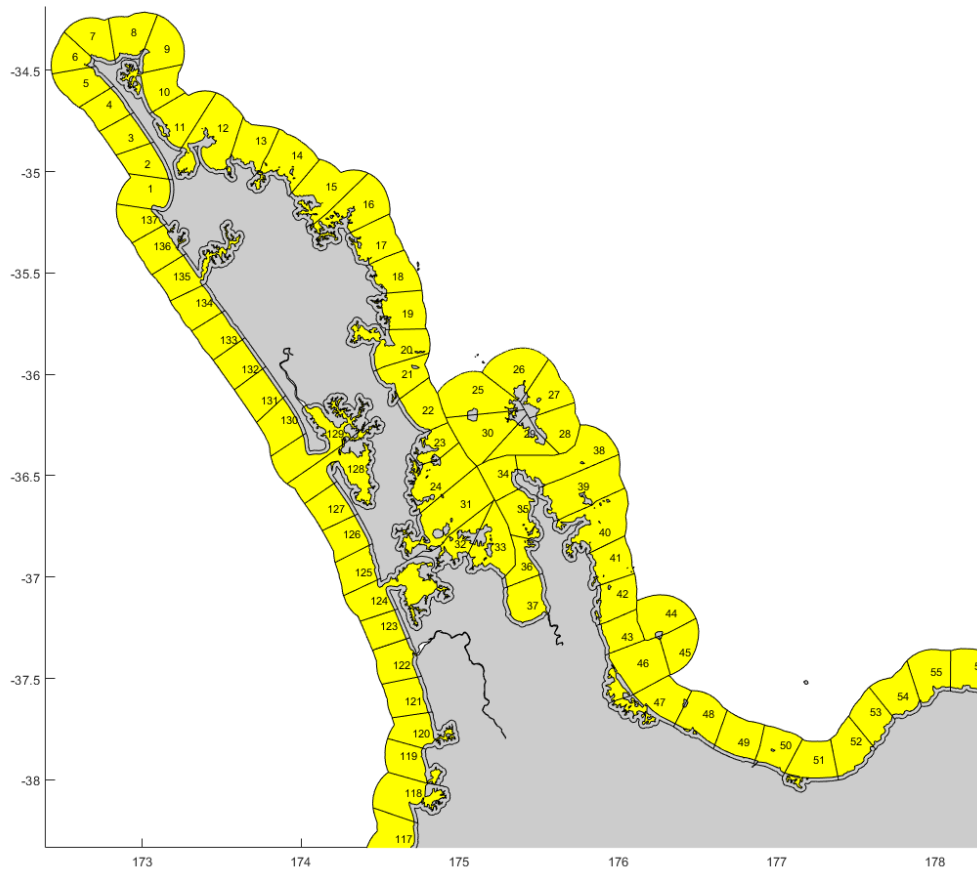


Figure 1.1 Numbered coastal sections for the northern North Island.

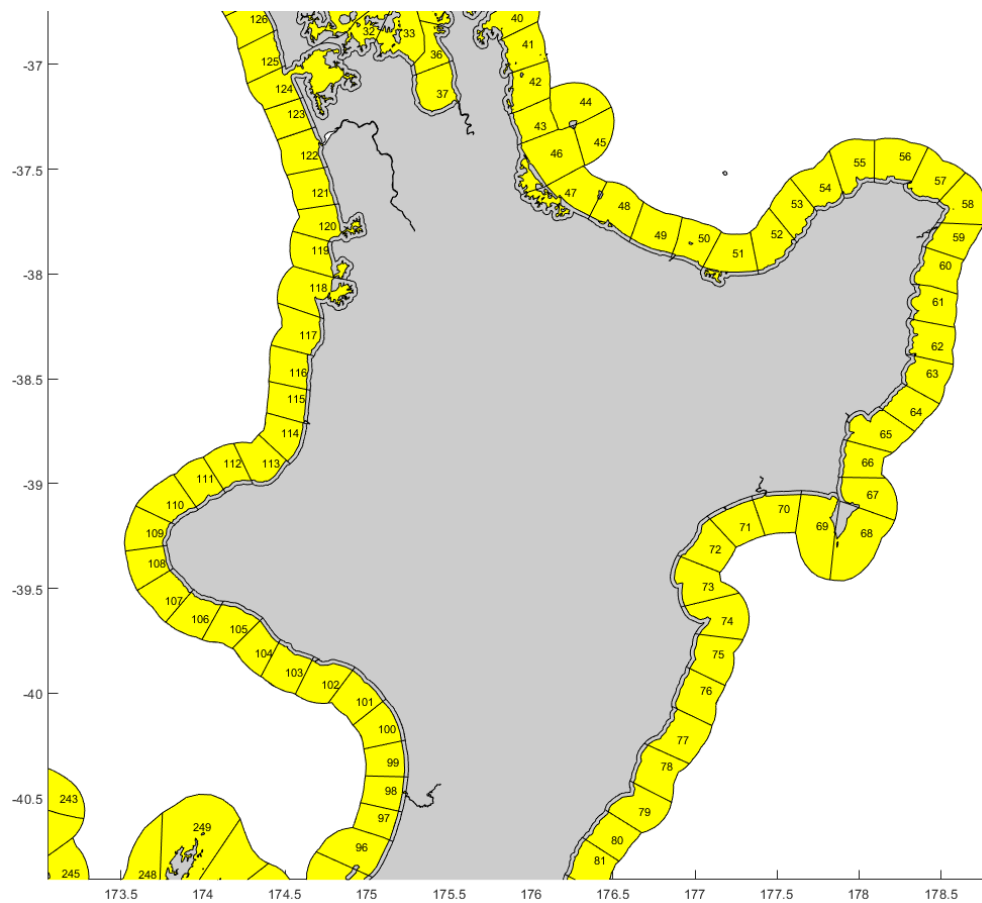


Figure 1.2 Numbered coastal sections for the central North Island.

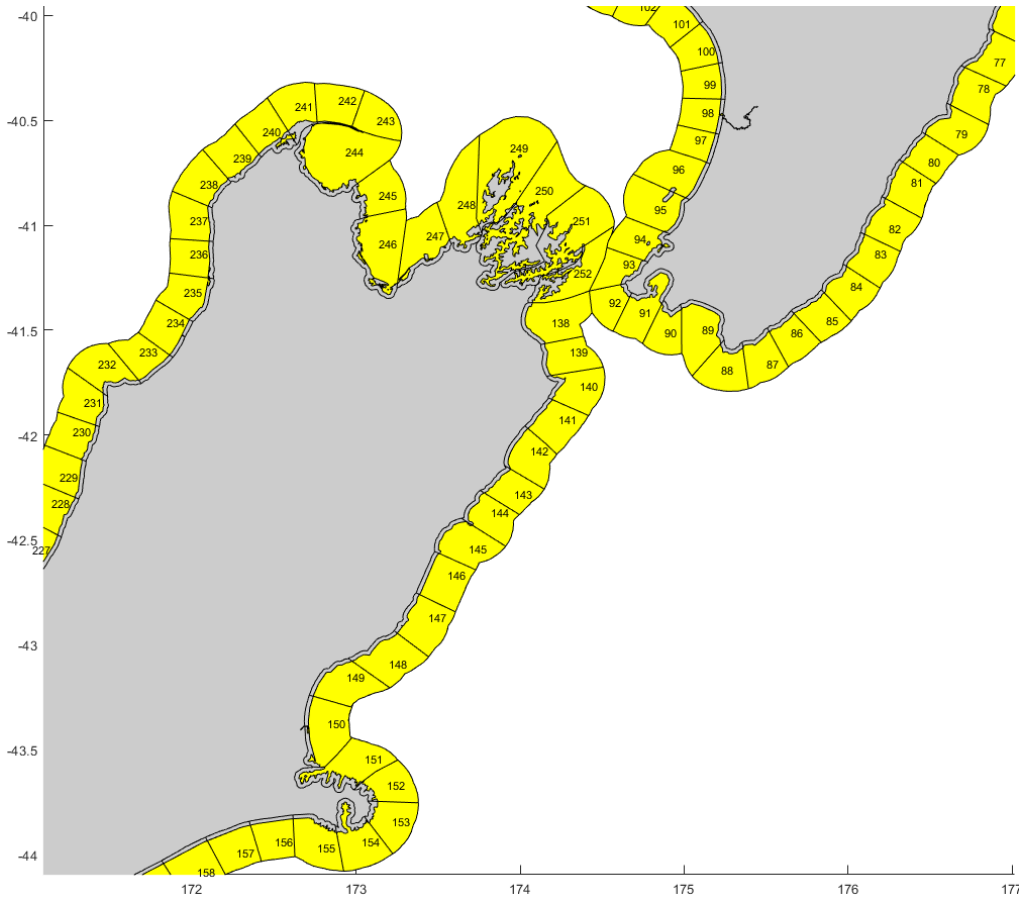


Figure 1.3 Numbered coastal sections for central New Zealand.

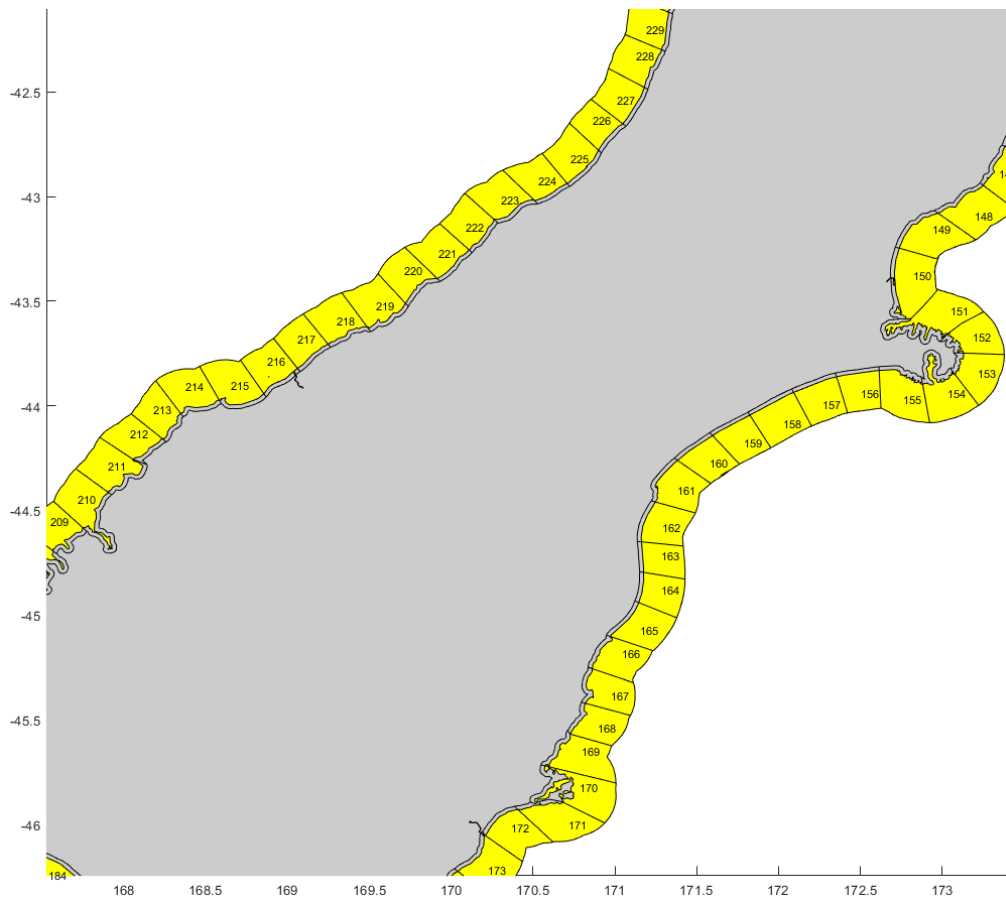


Figure 1.4 Numbered coastal sections for the central South Island.

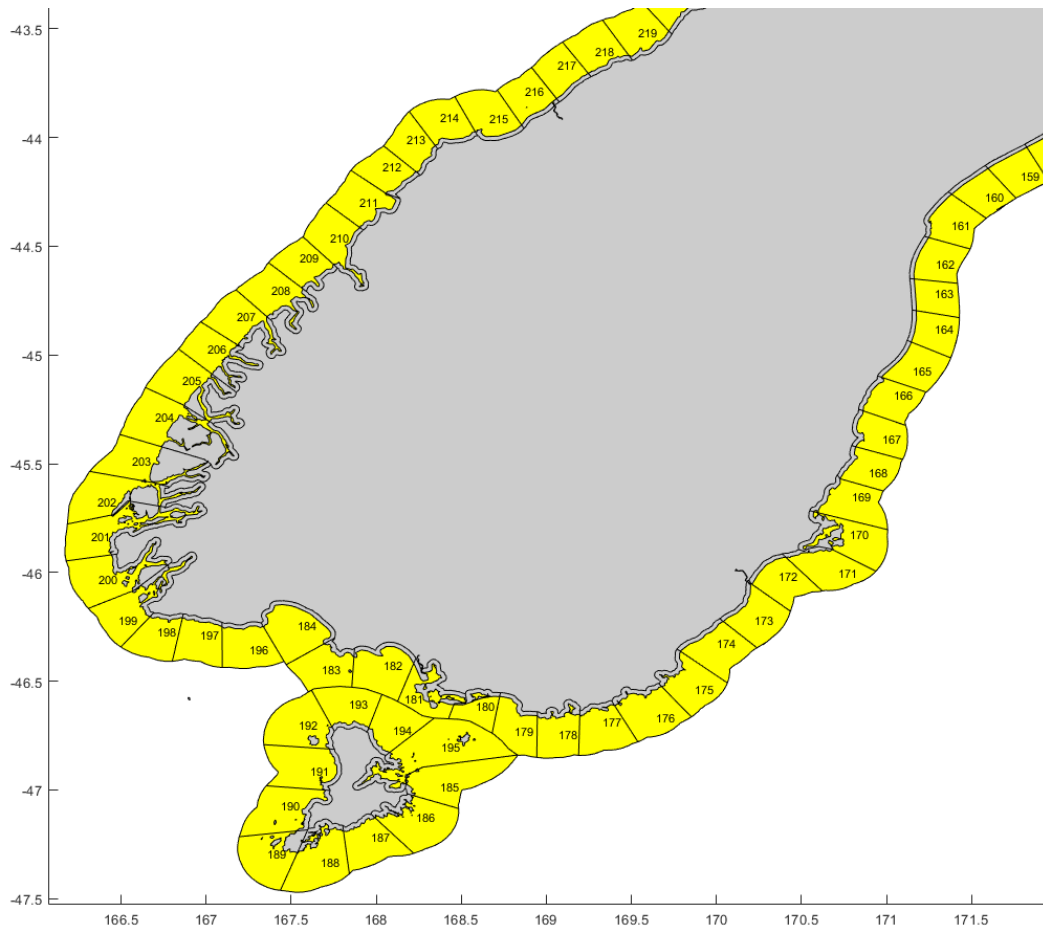


Figure 1.5 Numbered coastal sections for the southern South Island.

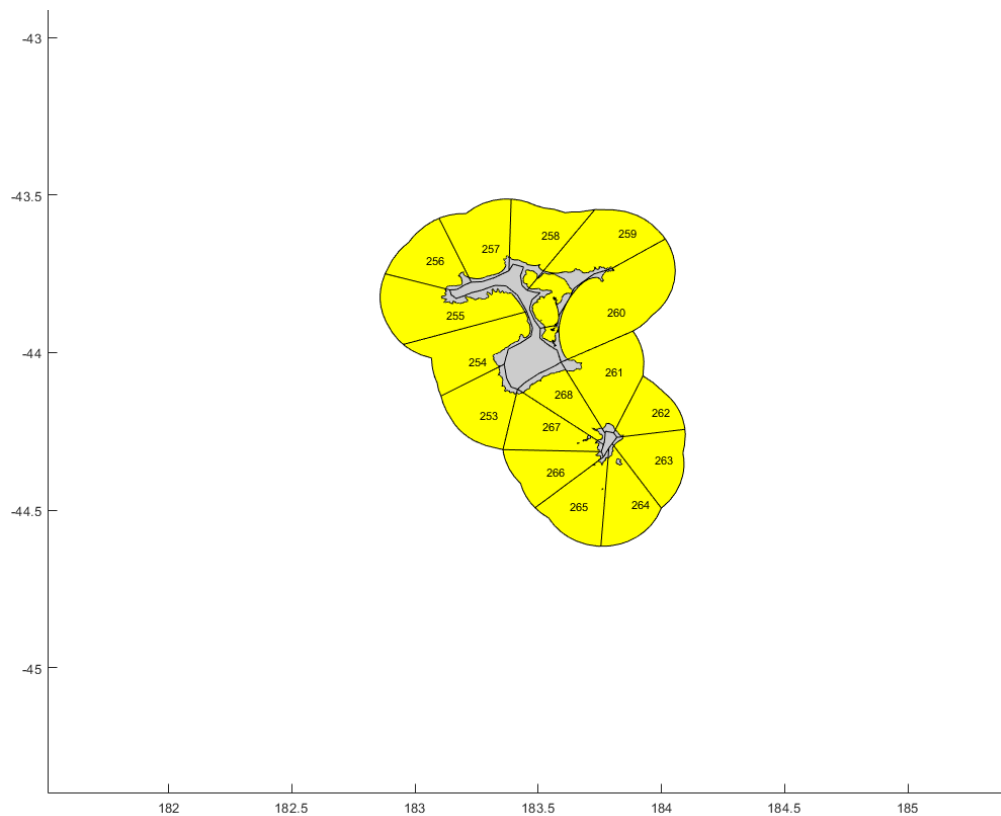


Figure 1.6 Numbered coastal sections for the Chatham Islands.

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- Stirling M, McVerry G, Gerstenberger M, Litchfield N, Van Dissen R, Berryman K, Barnes P, Wallace L, Villamor P, Langridge R, et al. 2012. National seismic hazard model for New Zealand: 2010 update. *Bulletin of the Seismological Society of America*. 102(4):1514–1542. doi:10.1785/0120110170.

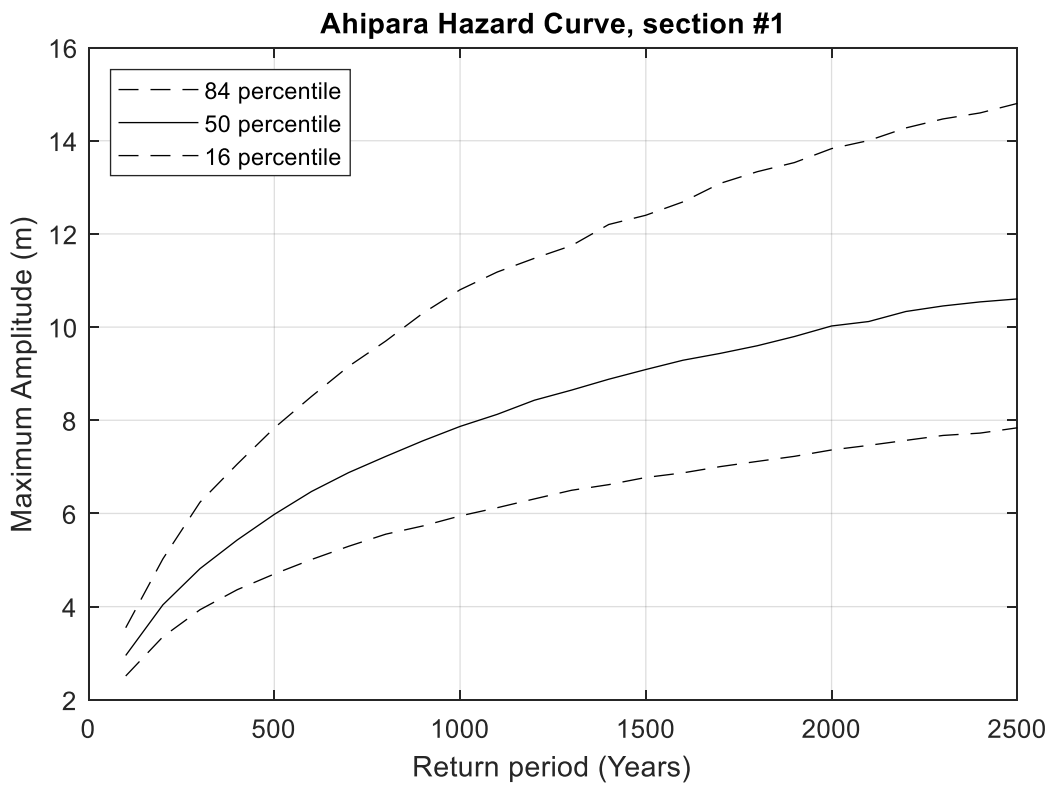
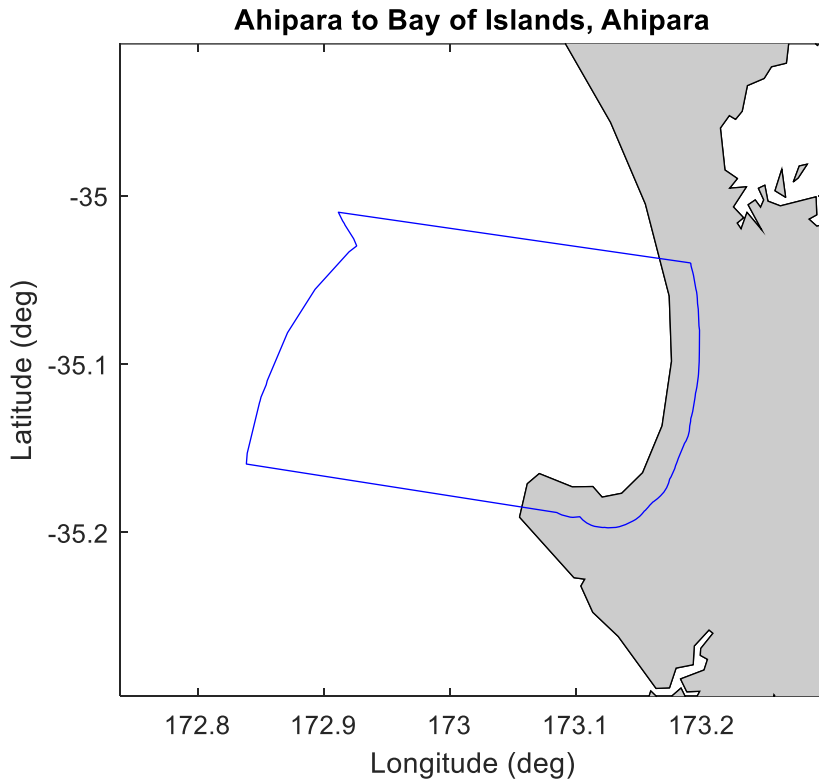
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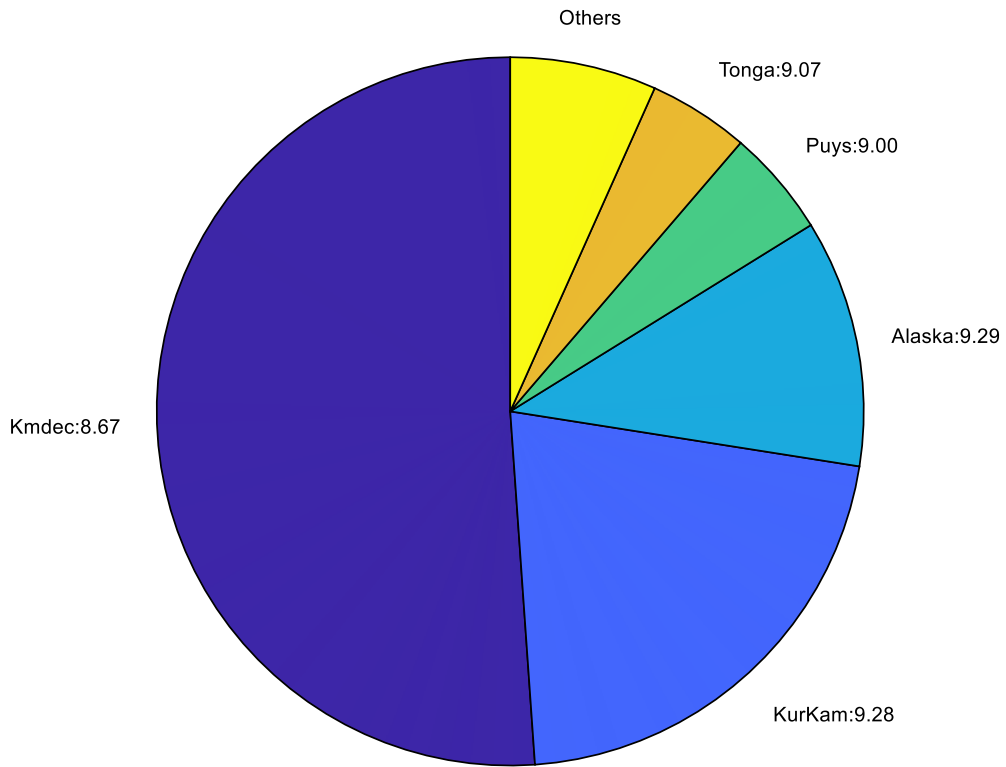
## **APPENDICES**

# APPENDIX 1 HAZARD CURVES AND DEAGGREGATION PIE CHARTS FOR EACH COASTAL SECTION

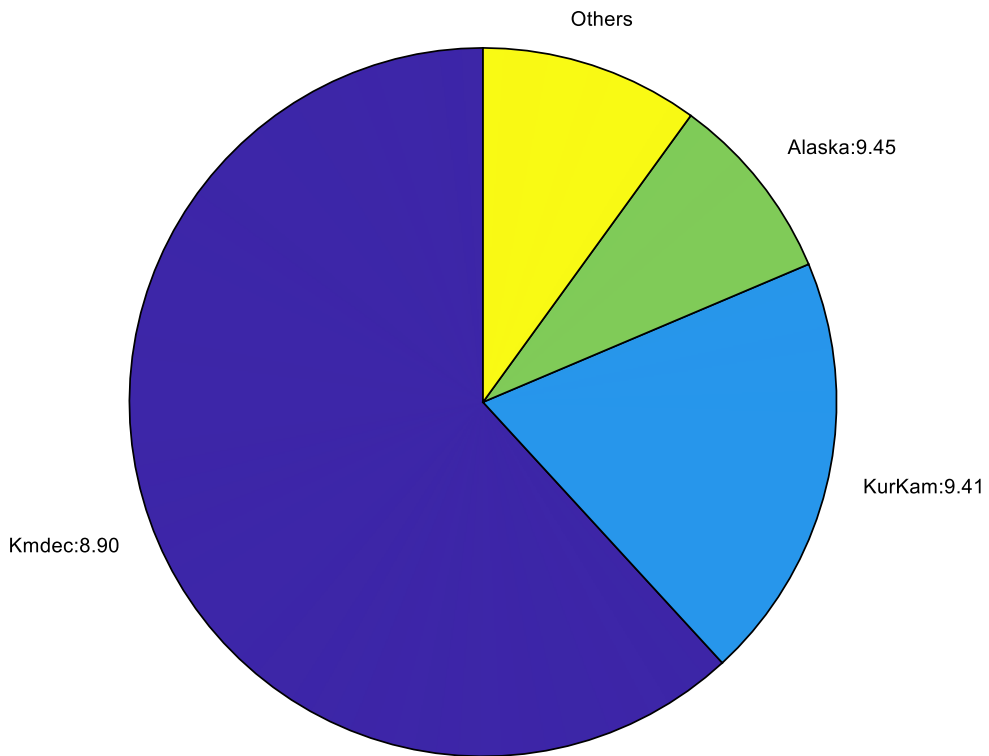
## A1.1 Coastal Section 1: Ahipara



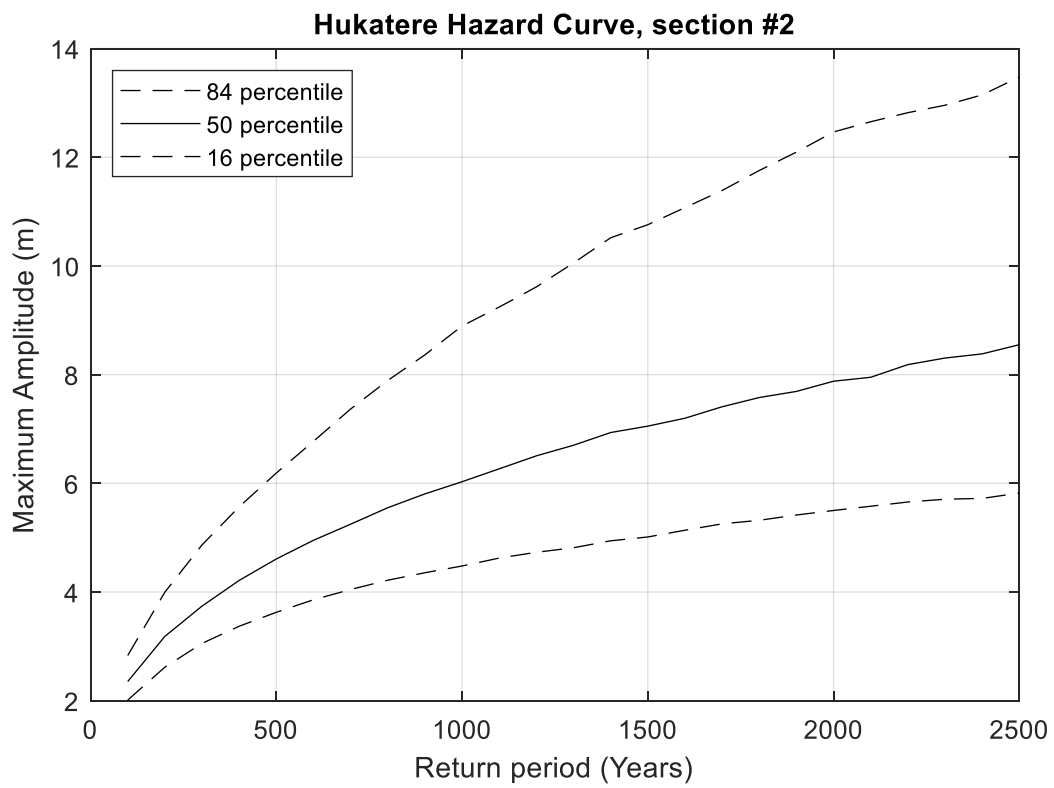
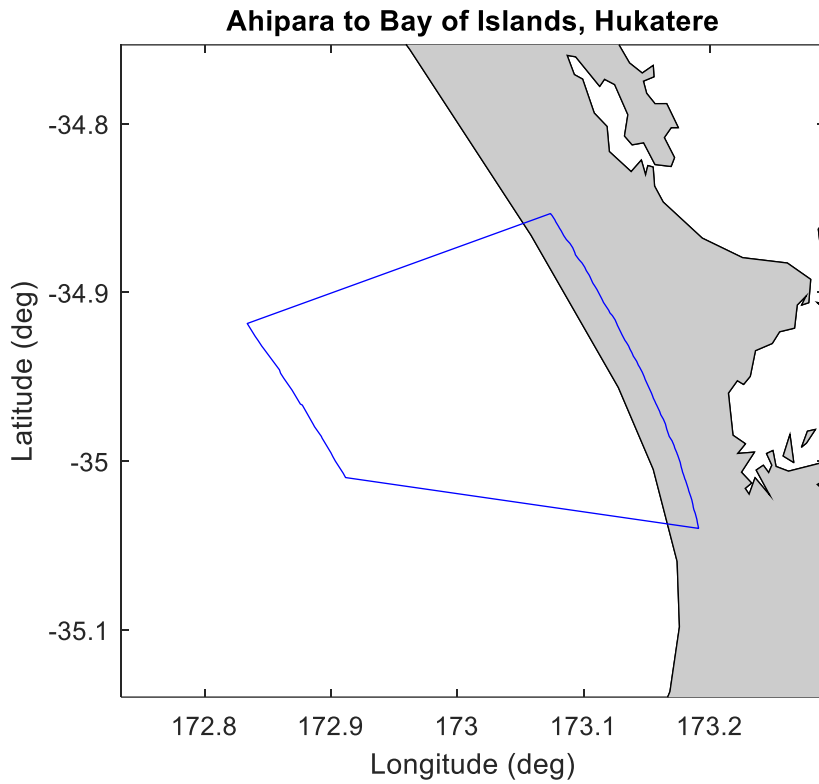
Deaggregation of Section:1, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.98 m



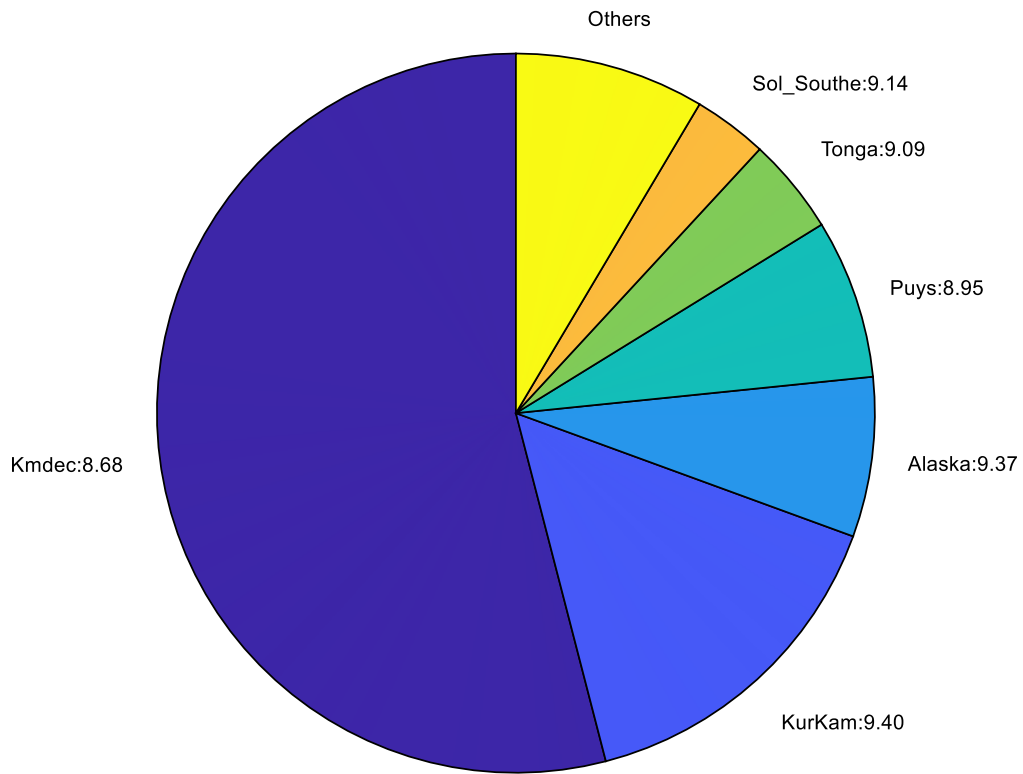
Deaggregation of Section:1, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:10.58 m



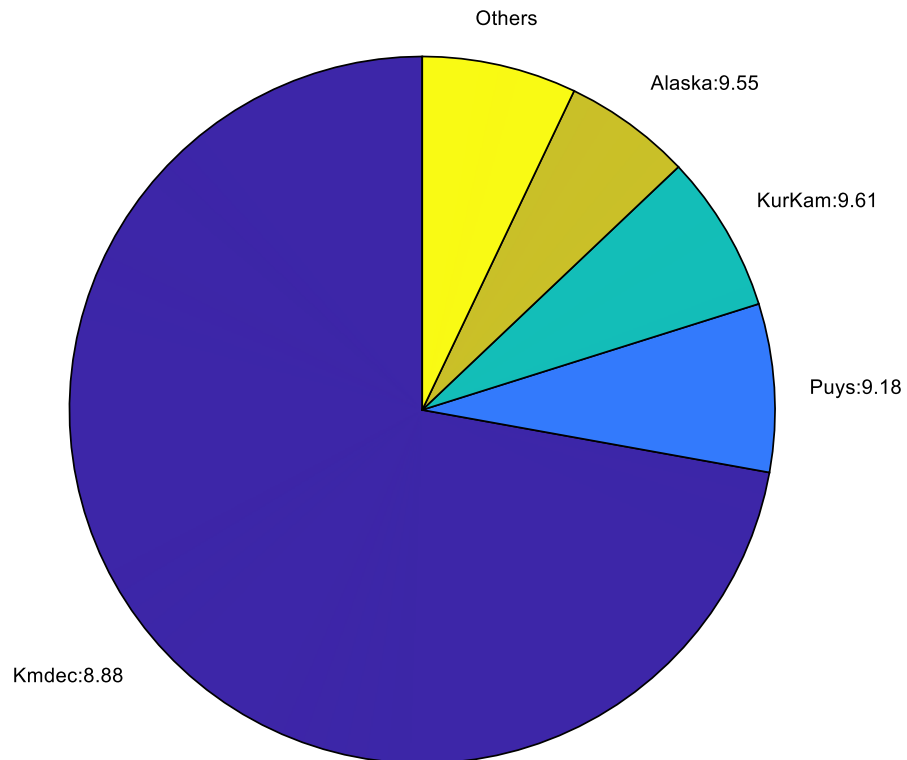
## A1.2 Coastal Section 2: Hukatere



Deaggregation of Section:2, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.61 m

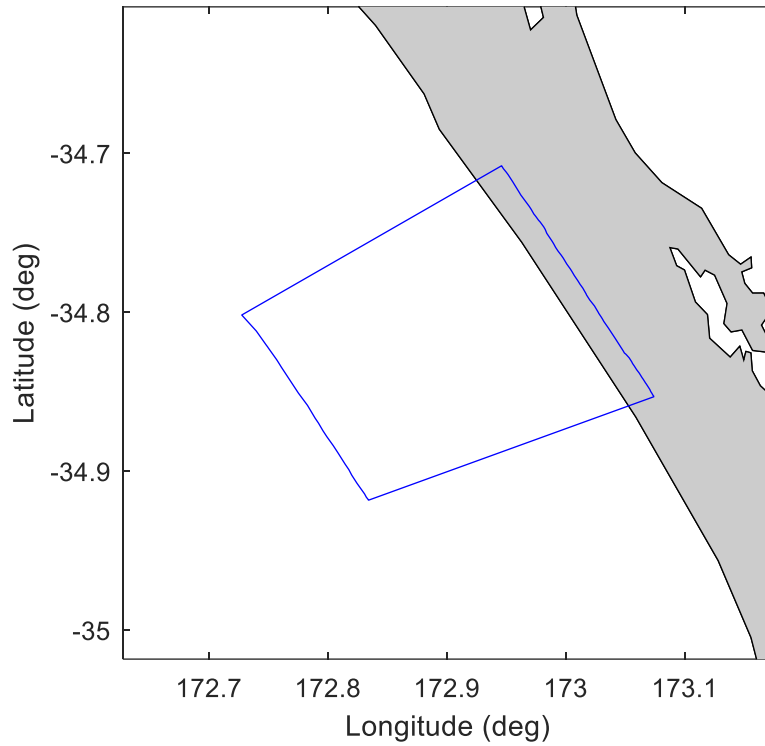


Deaggregation of Section:2, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.55 m

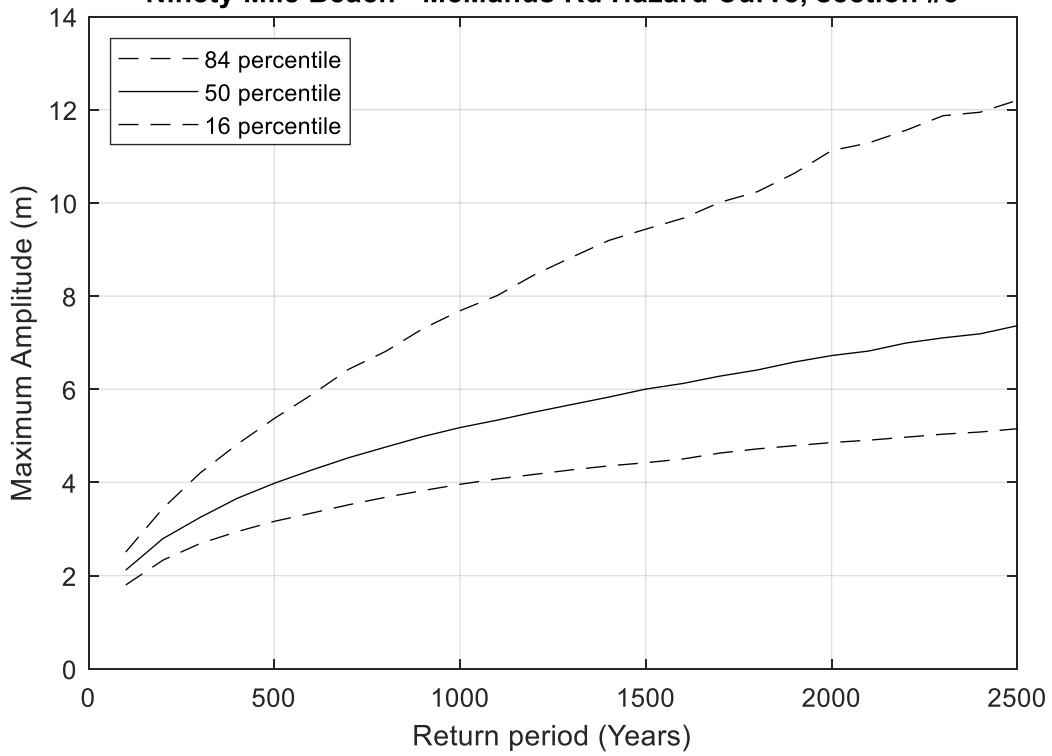


### A1.3 Coastal Section 3: Ninety Mile Beach – McManus Rd

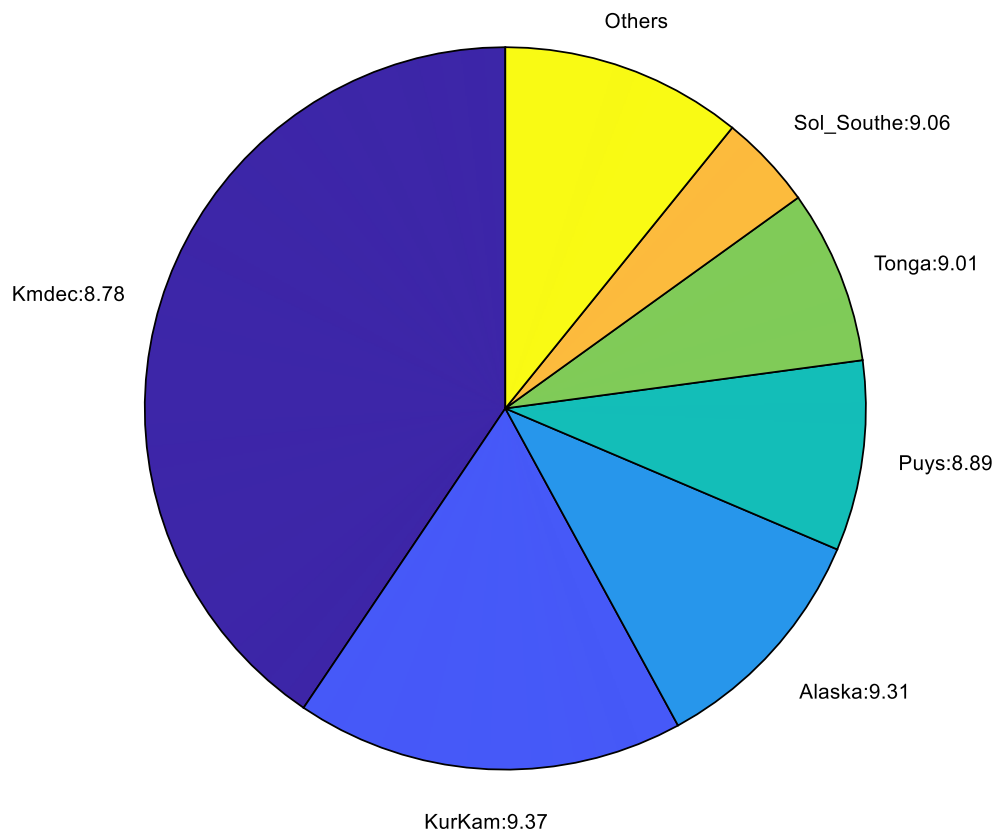
Ahipara to Bay of Islands, Ninety Mile Beach - McManus Rd



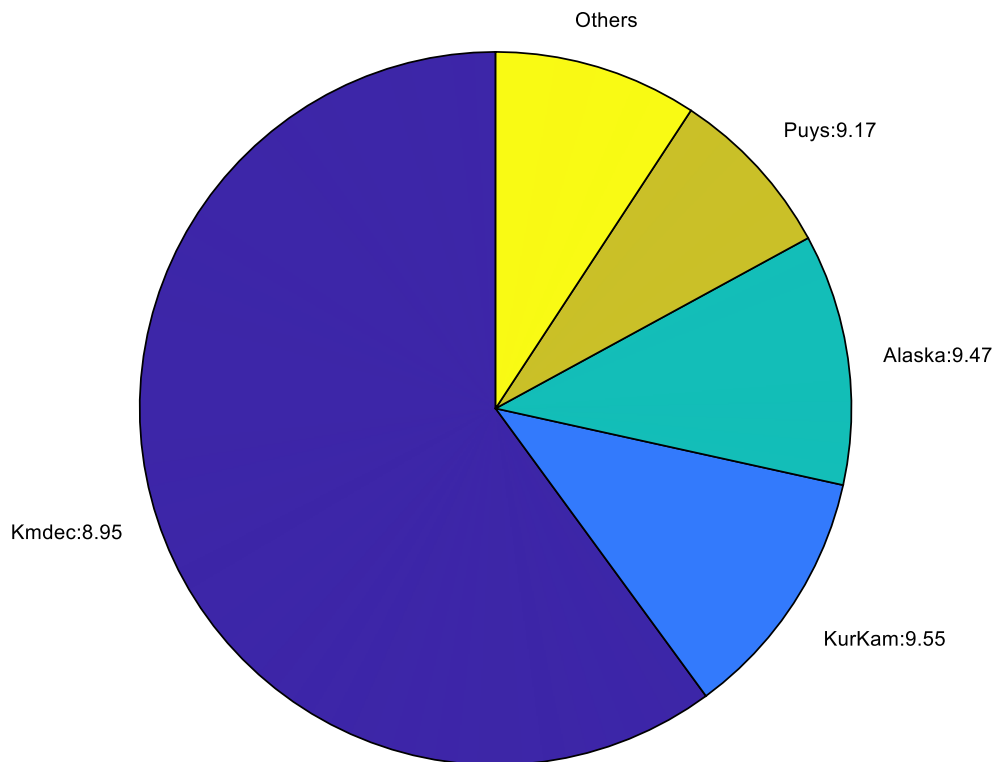
Ninety Mile Beach - McManus Rd Hazard Curve, section #3



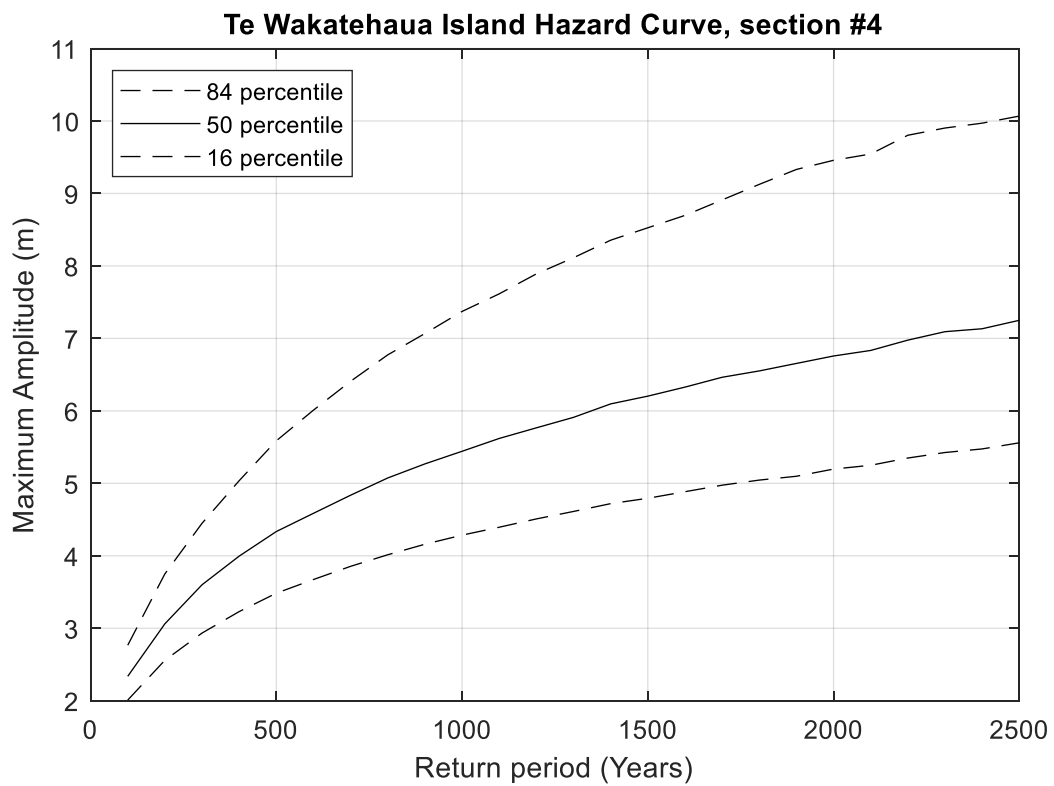
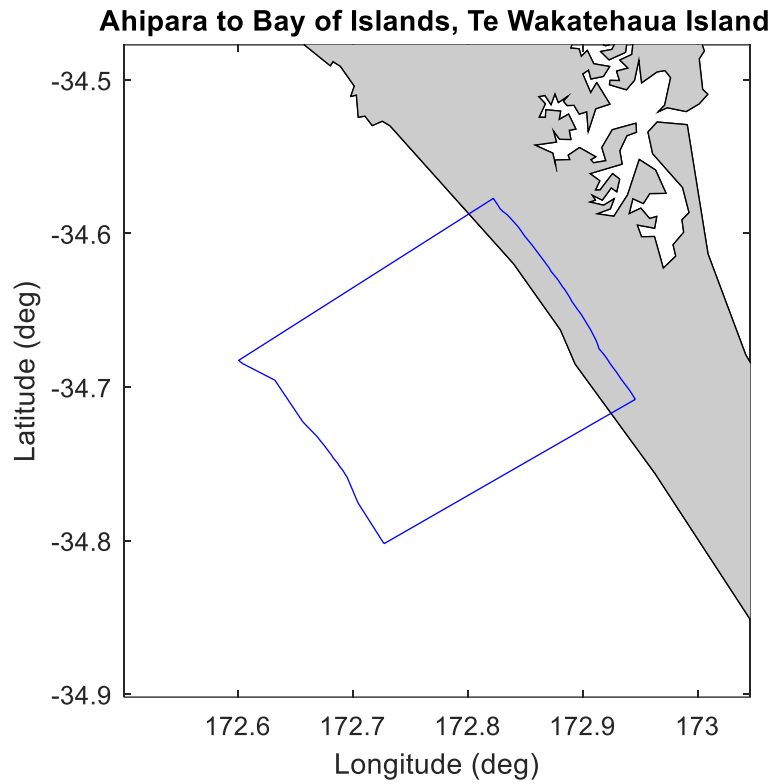
Deaggregation of Section:3, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.98 m



Deaggregation of Section:3, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.36 m

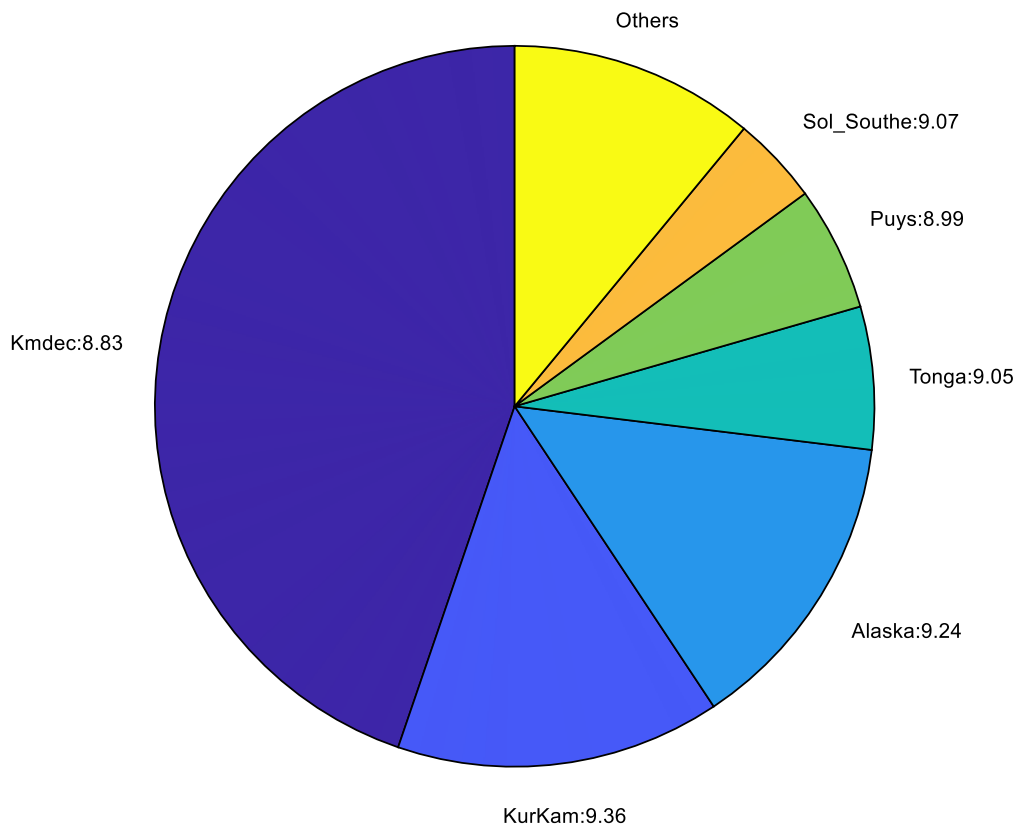


## A1.4 Coastal Section 4: Te Wakatehaua Island

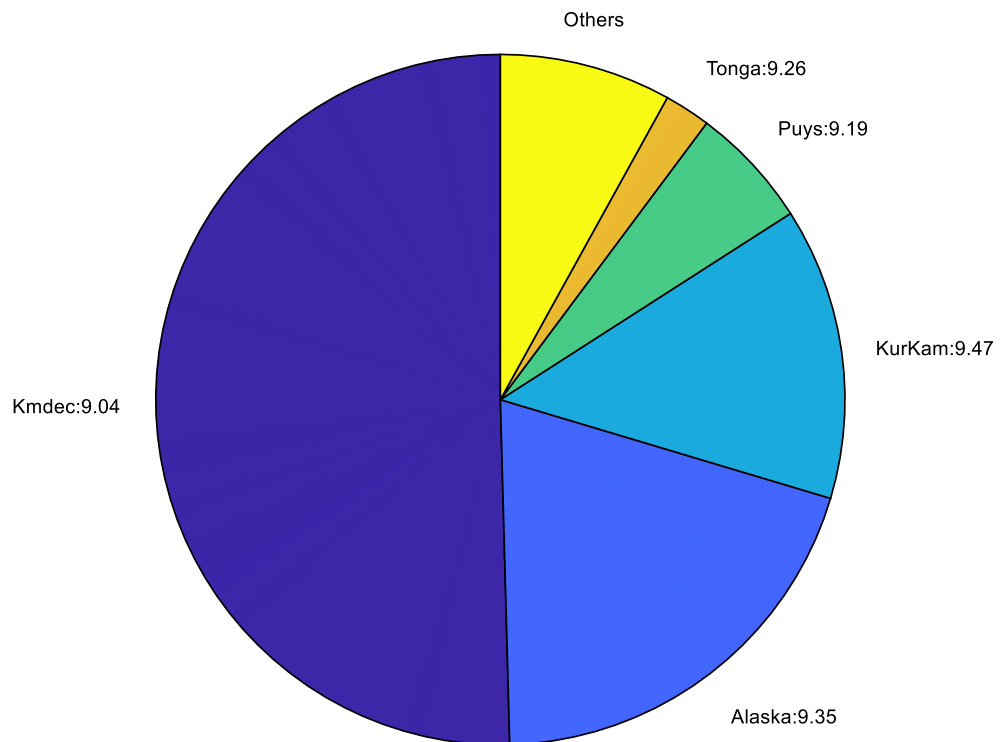




Deaggregation of Section:4, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.33 m

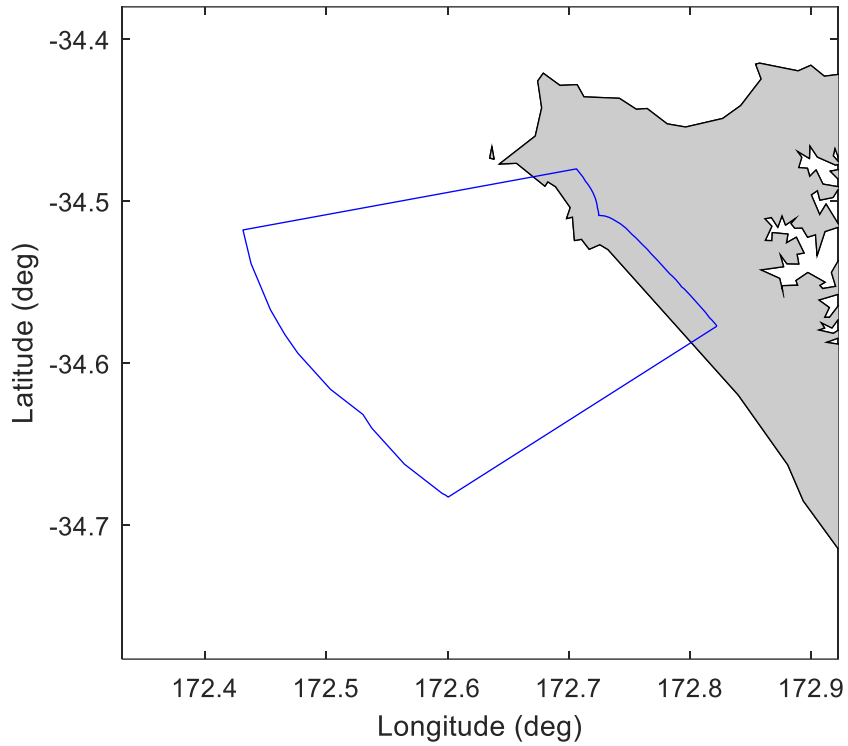


Deaggregation of Section:4, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.25 m

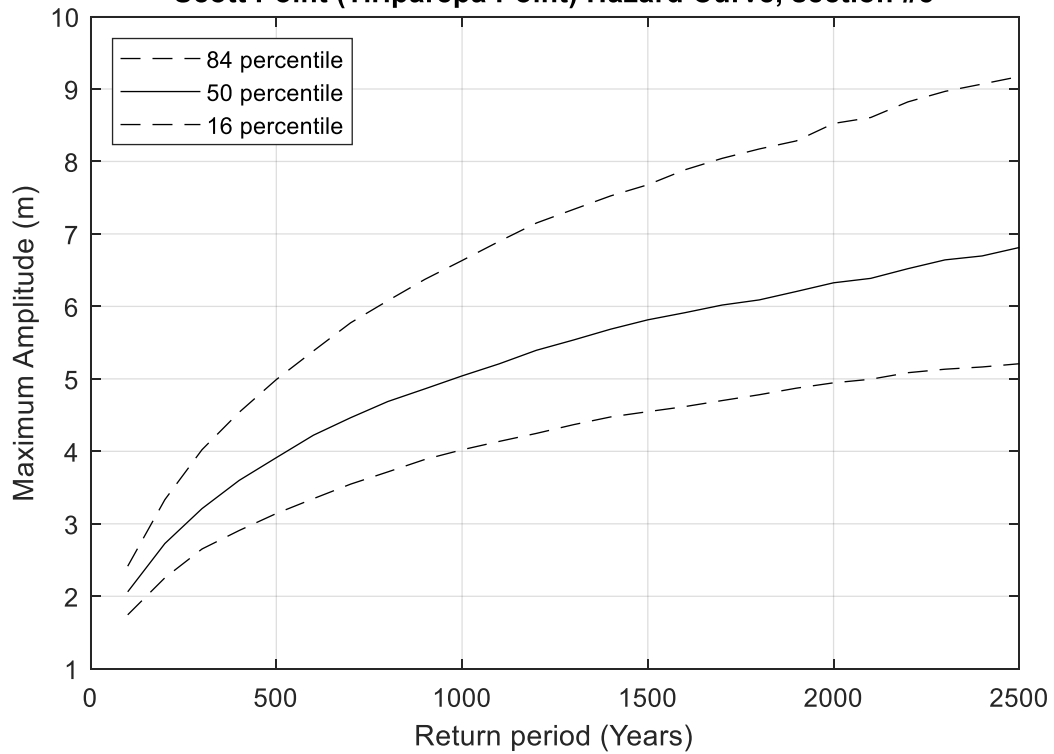


## A1.5 Coastal Section 5: Scott Point (Tiriparepa Point)

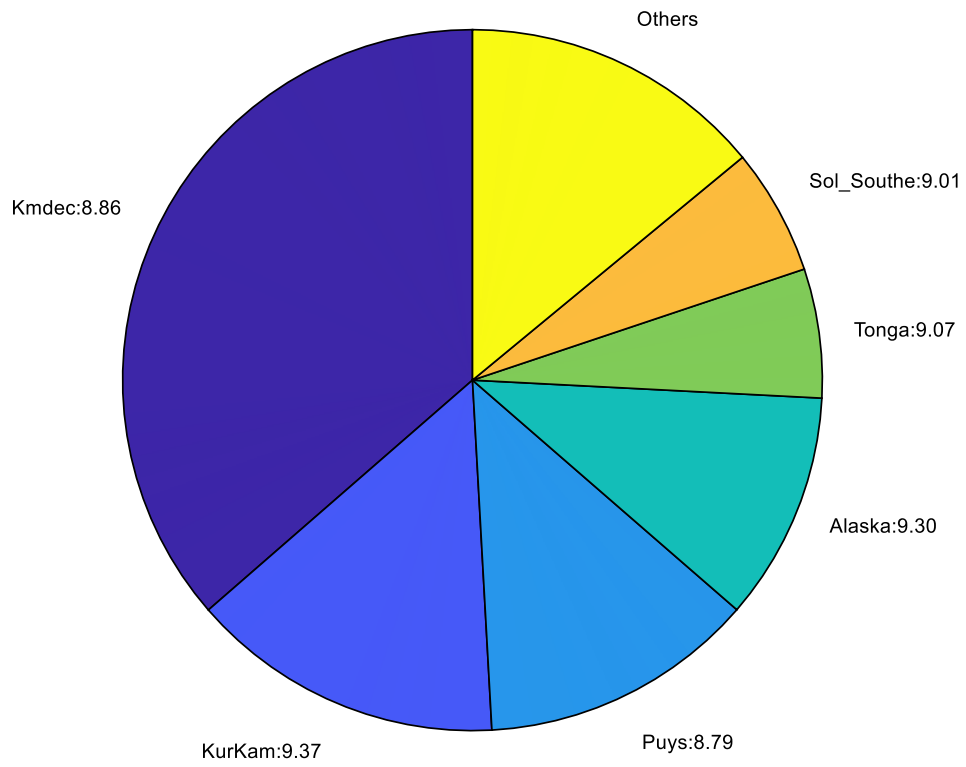
### Ahipara to Bay of Islands, Scott Point (Tiriparepa Point)



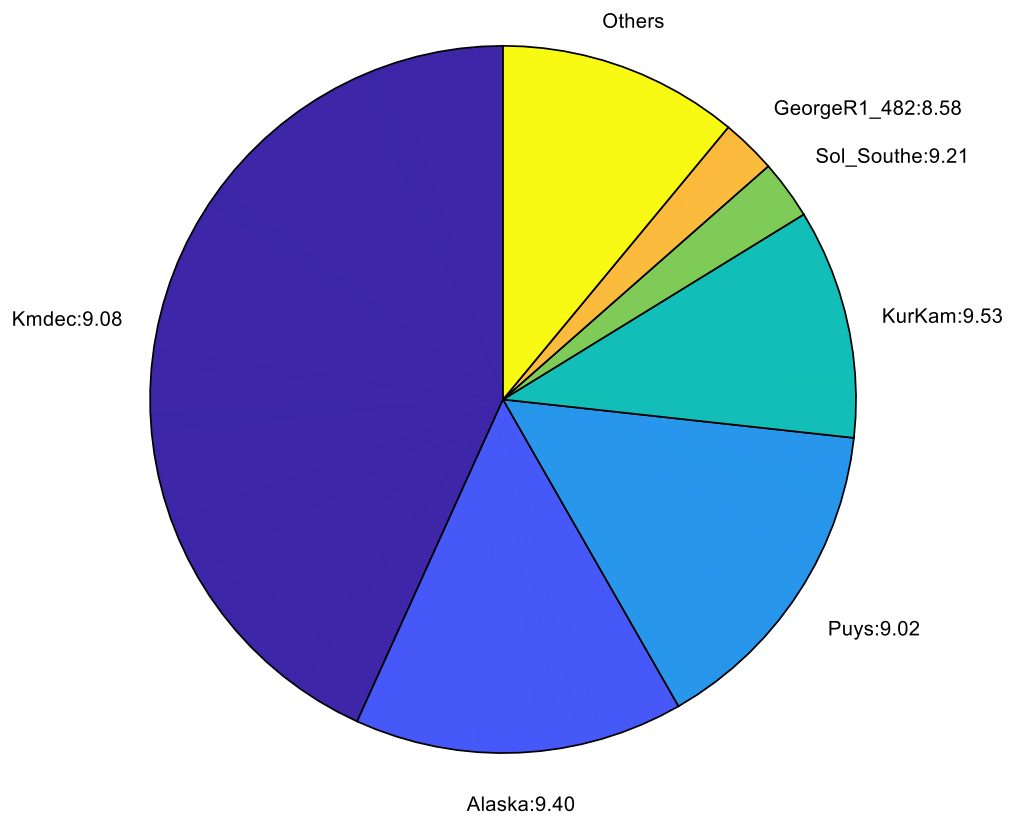
### Scott Point (Tiriparepa Point) Hazard Curve, section #5



Deaggregation of Section:5, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.91 m

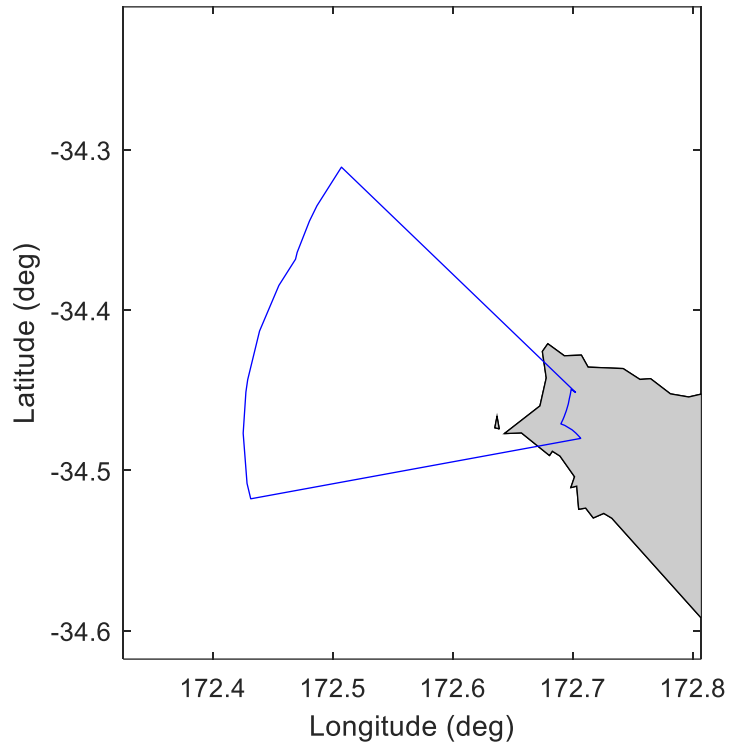


Deaggregation of Section:5, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.81 m

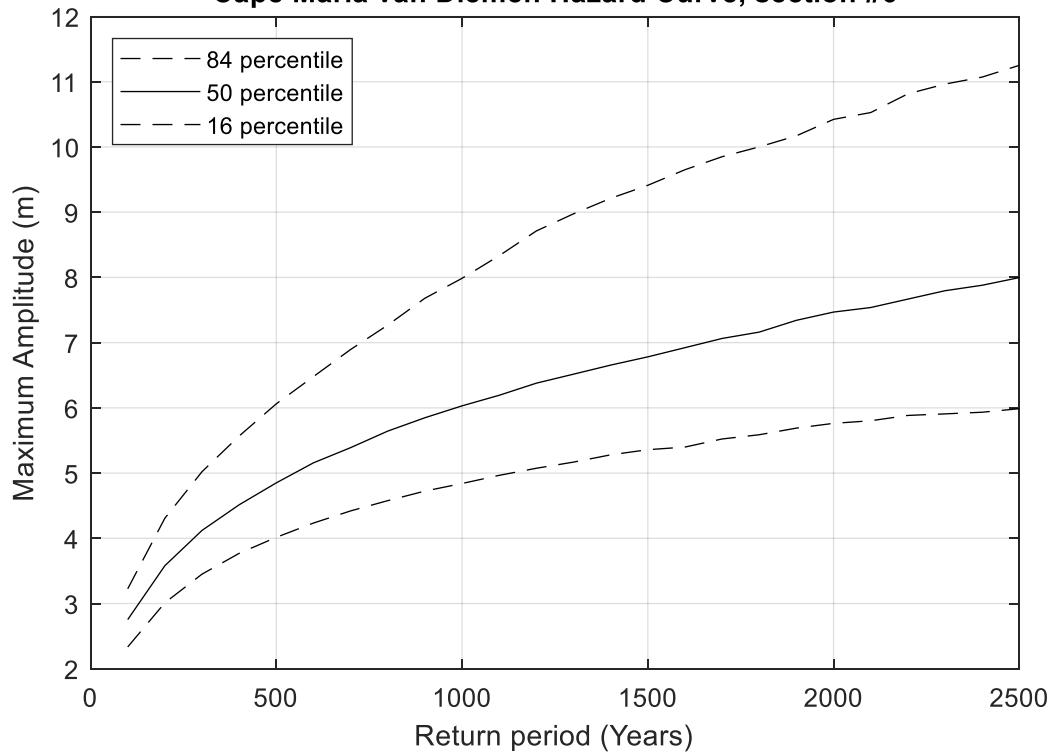


## A1.6 Coastal Section 6: Cape Maria van Diemen

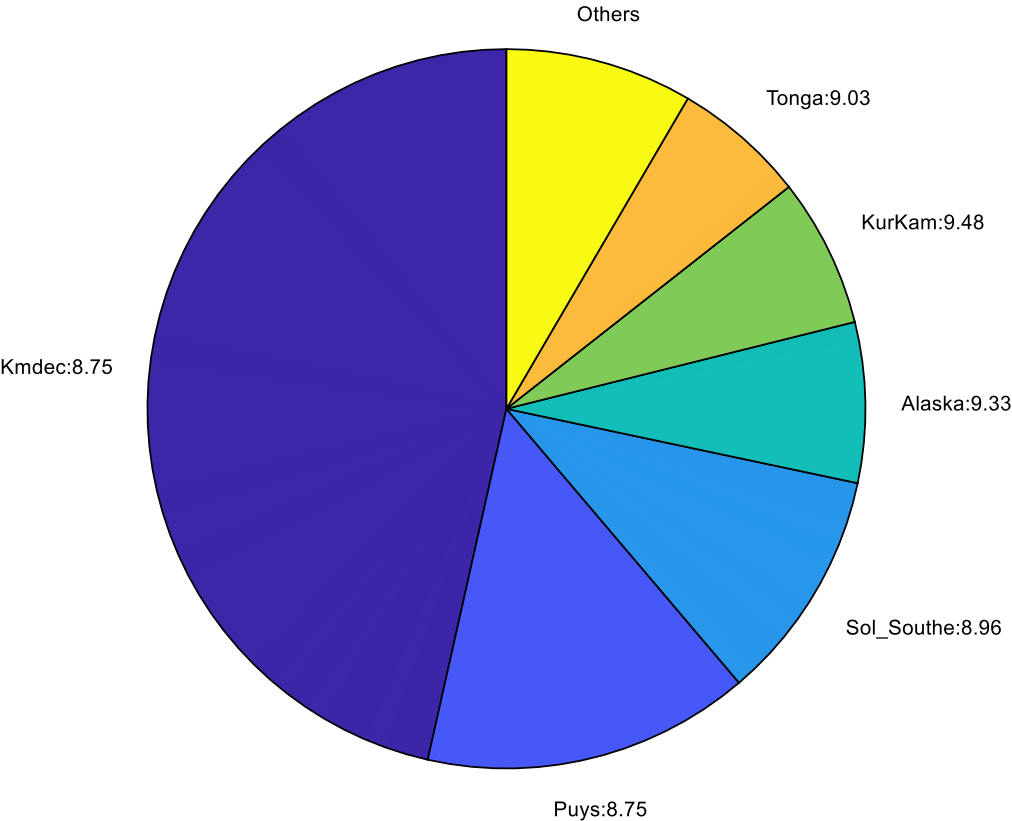
### Ahipara to Bay of Islands, Cape Maria van Diemen



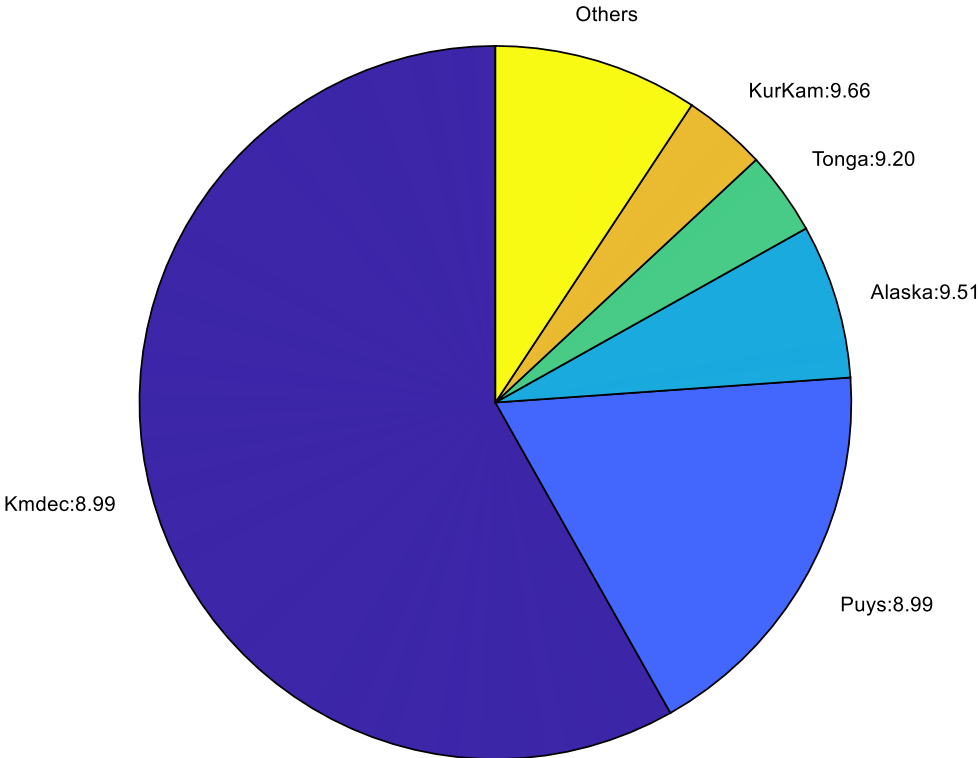
### Cape Maria van Diemen Hazard Curve, section #6



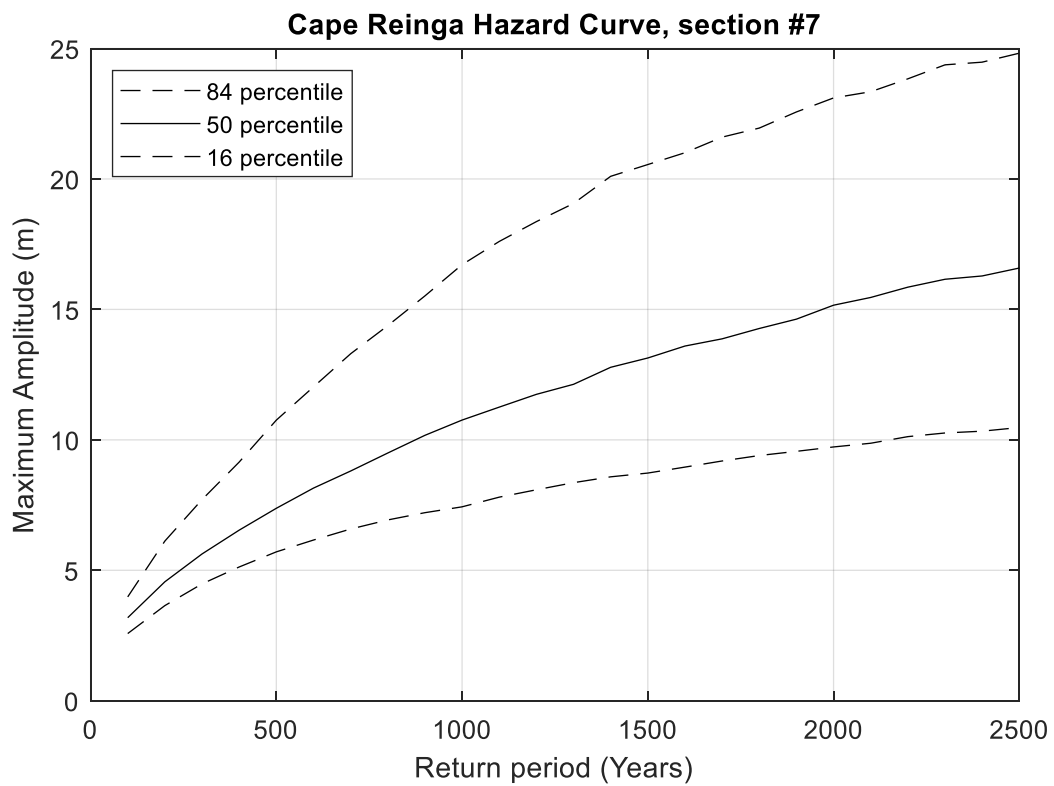
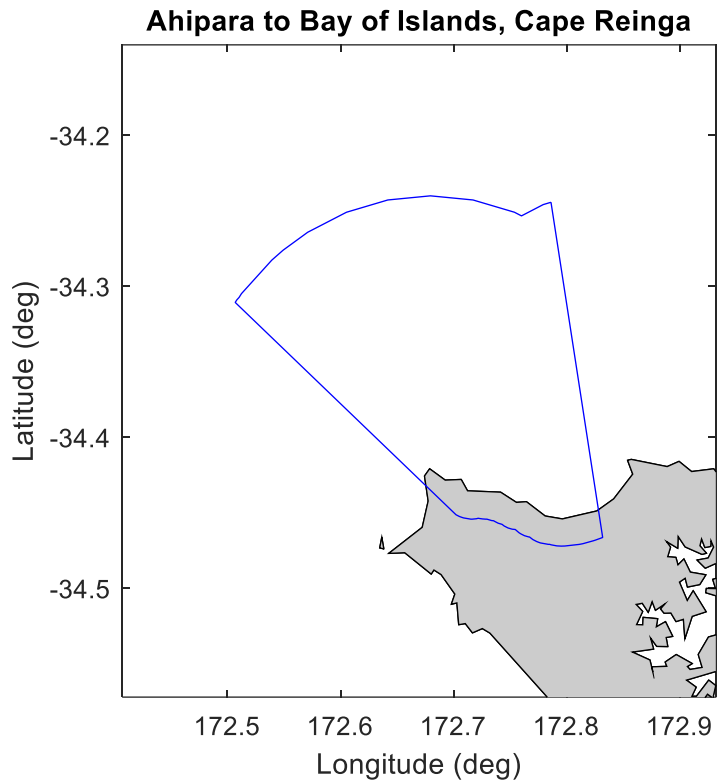
Deaggregation of Section:6, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.85 m



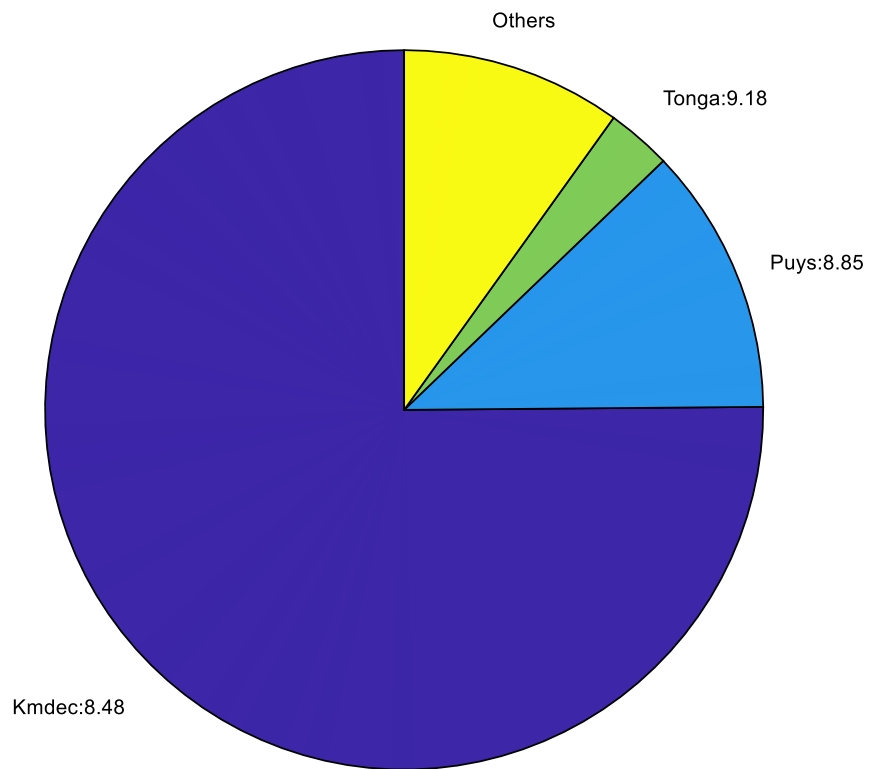
Deaggregation of Section:6, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.99 m



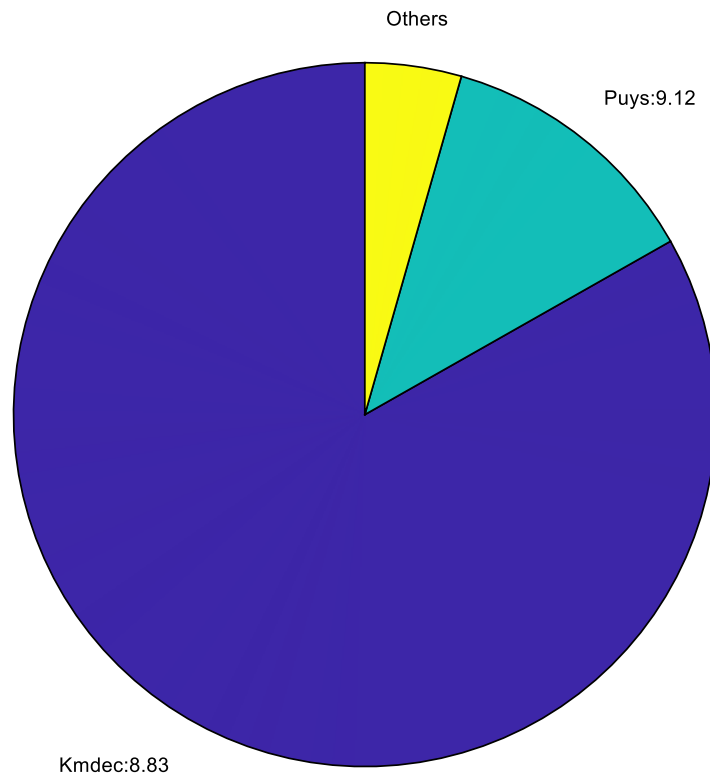
## A1.7 Coastal Section 7: Cape Reinga



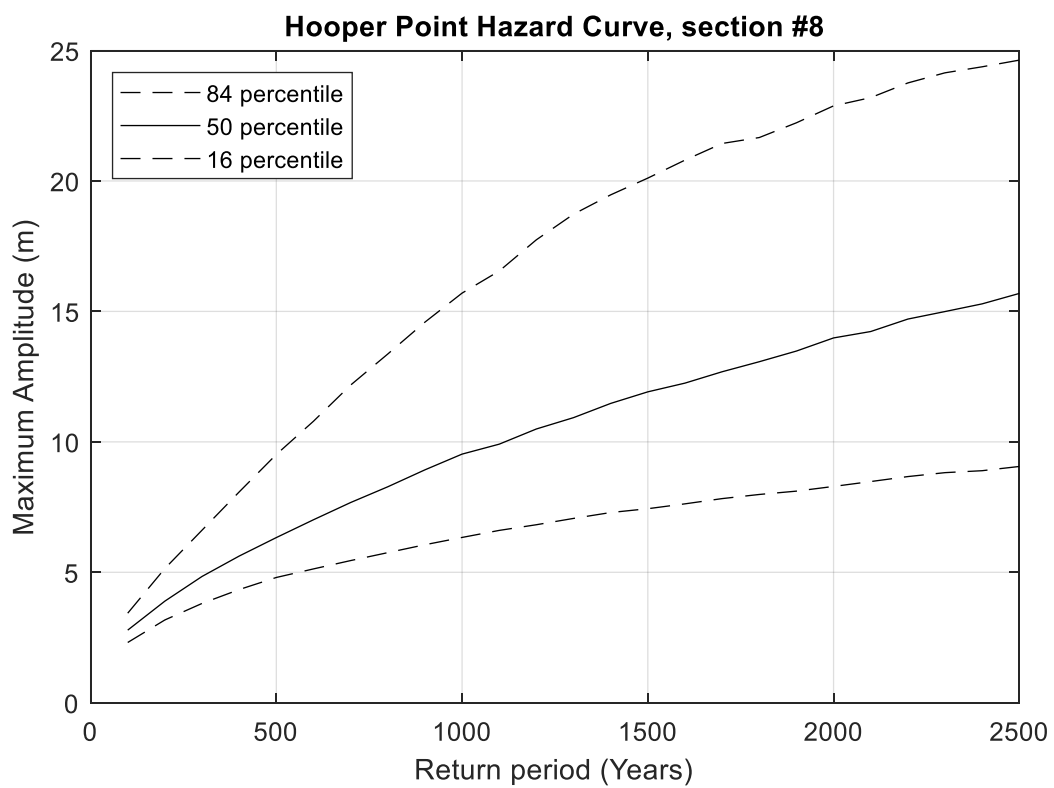
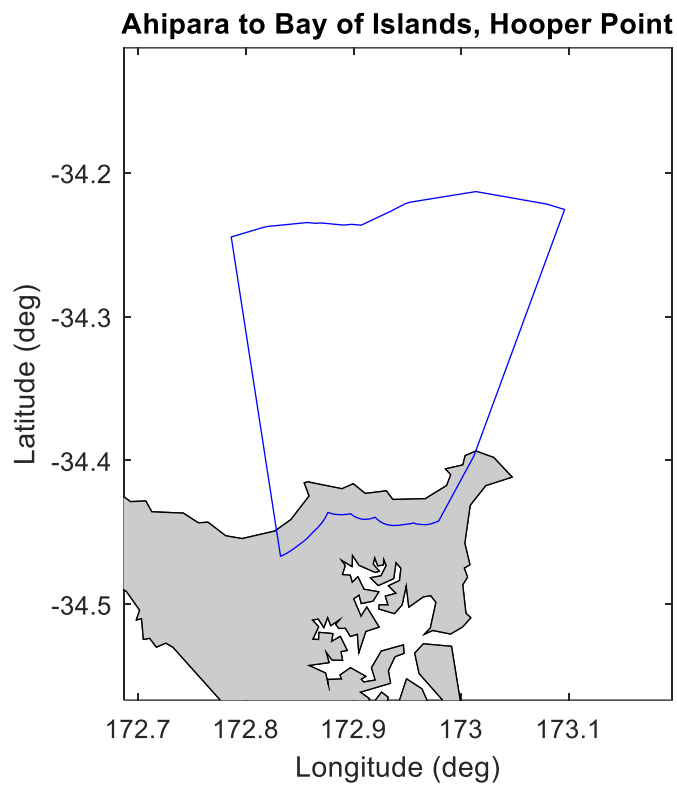
Deaggregation of Section:7, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.38 m



Deaggregation of Section:7, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:16.58 m

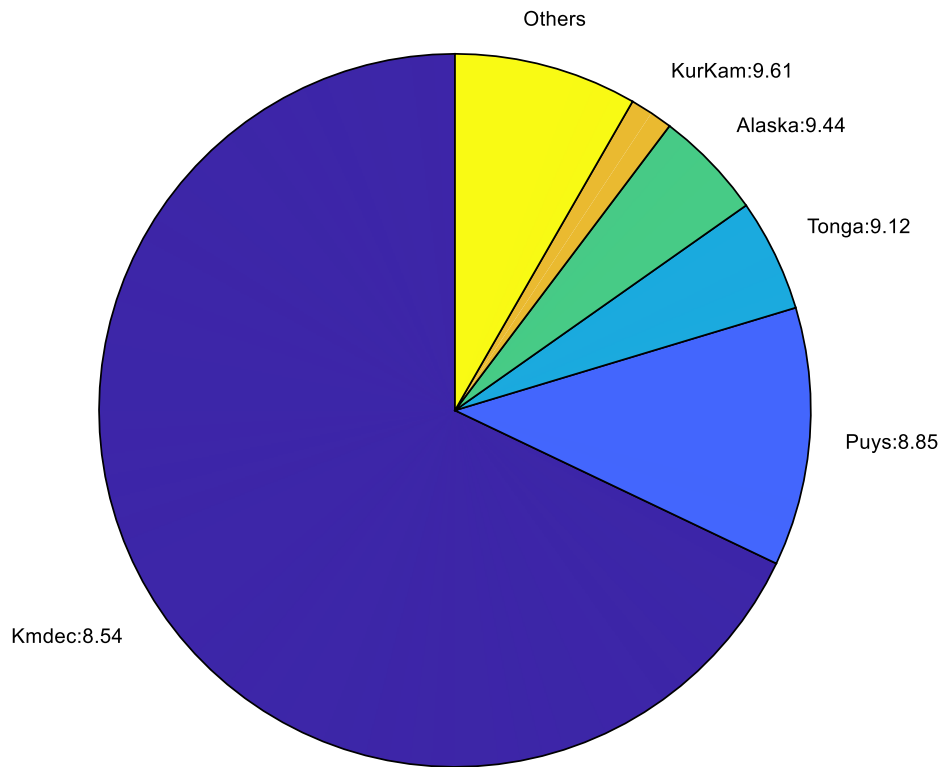


## A1.8 Coastal Section 8: Hooper Point

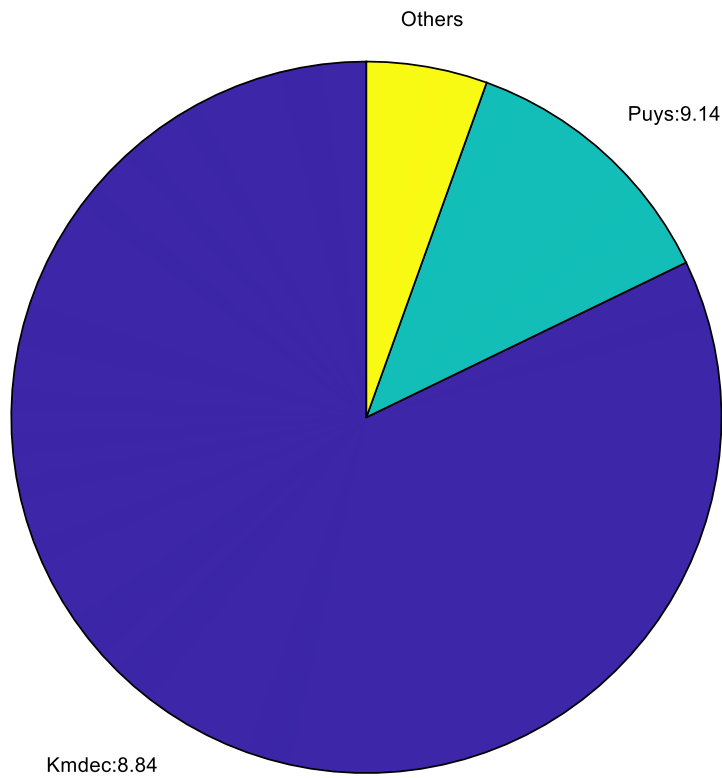




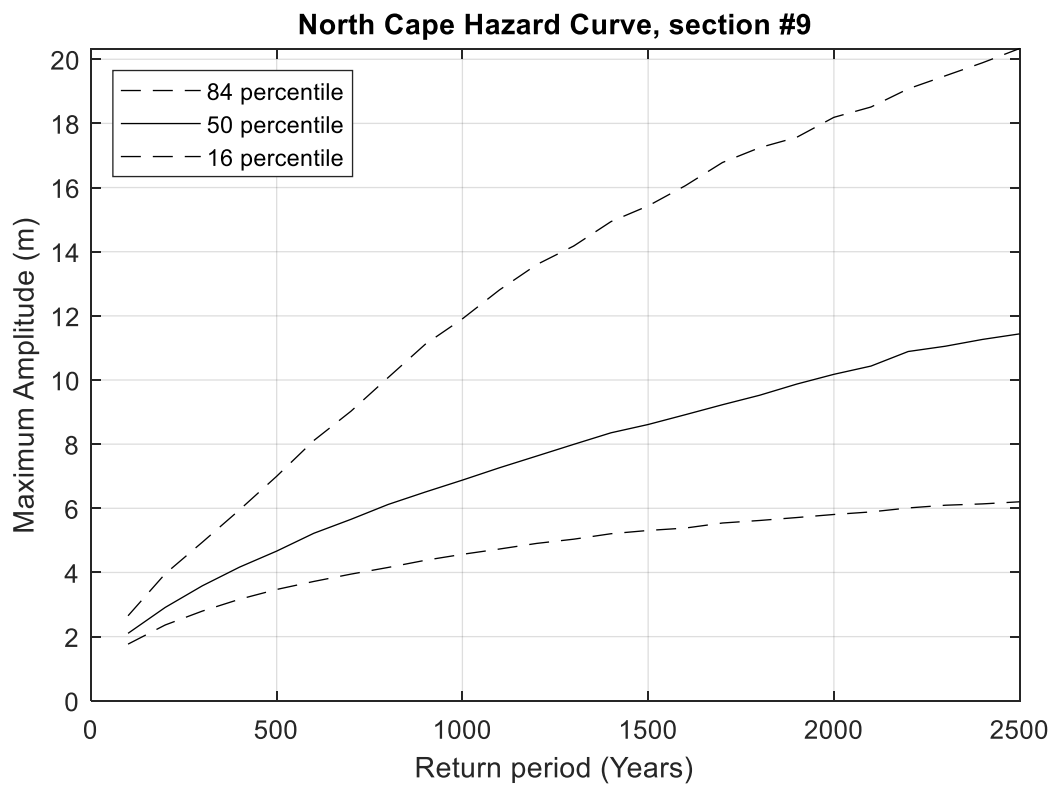
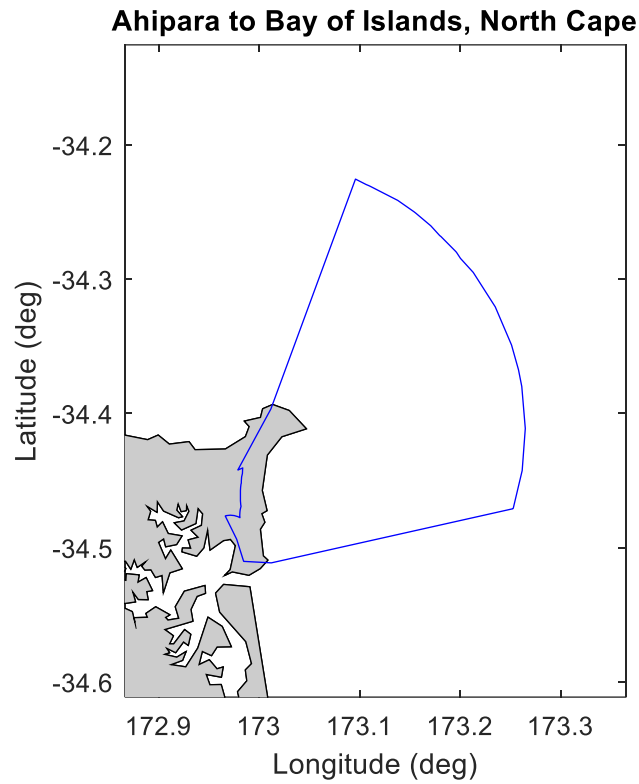
Deaggregation of Section:8, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.33 m



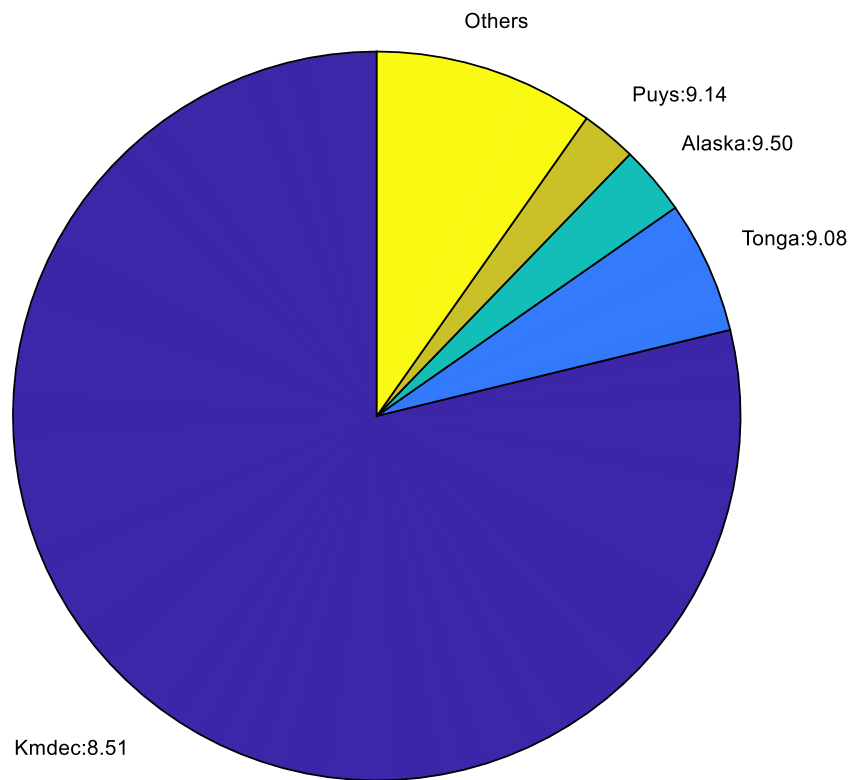
Deaggregation of Section:8, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:15.64 m



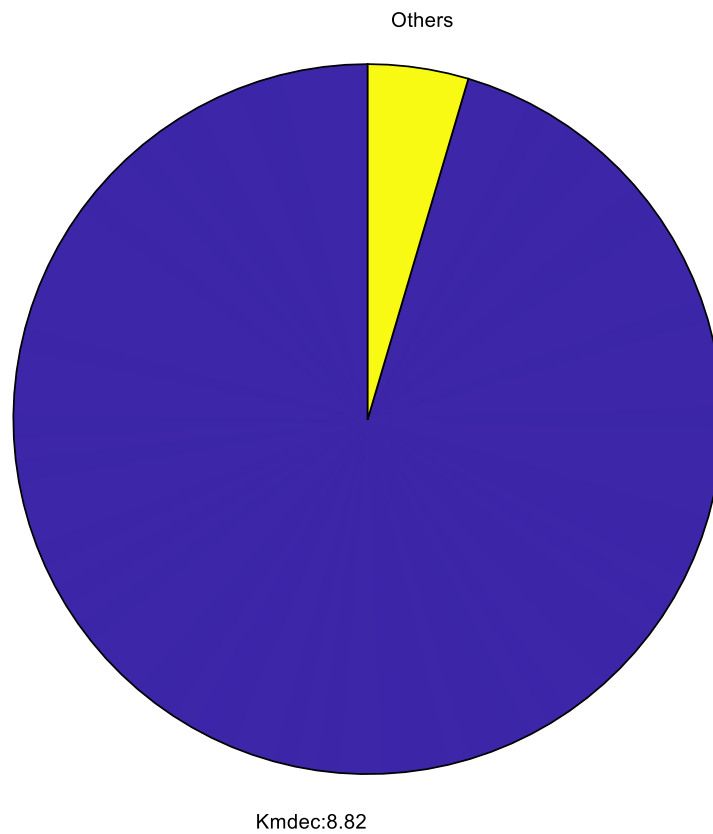
## A1.9 Coastal Section 9: North Cape



Deaggregation of Section:9, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.66 m

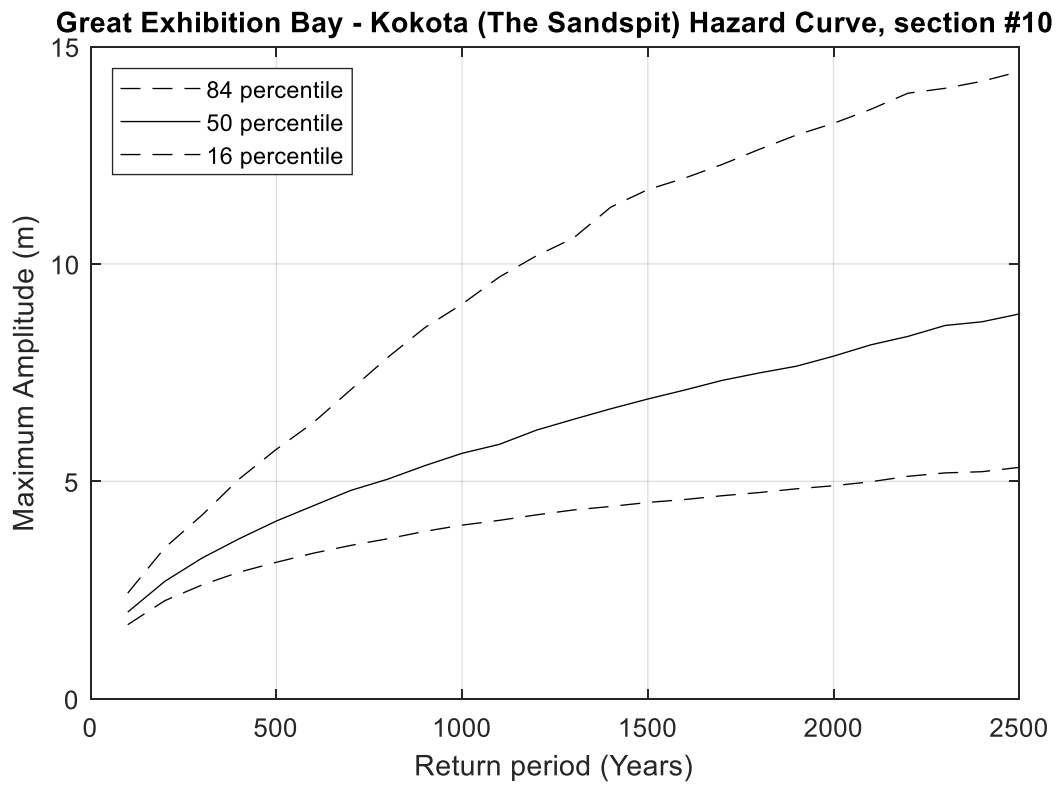
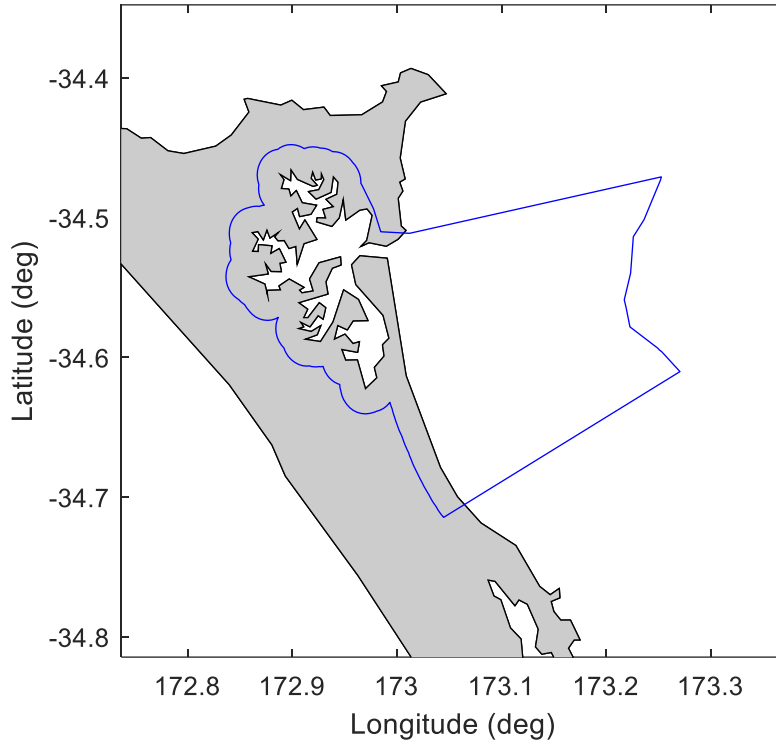


Deaggregation of Section:9, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:11.42 m

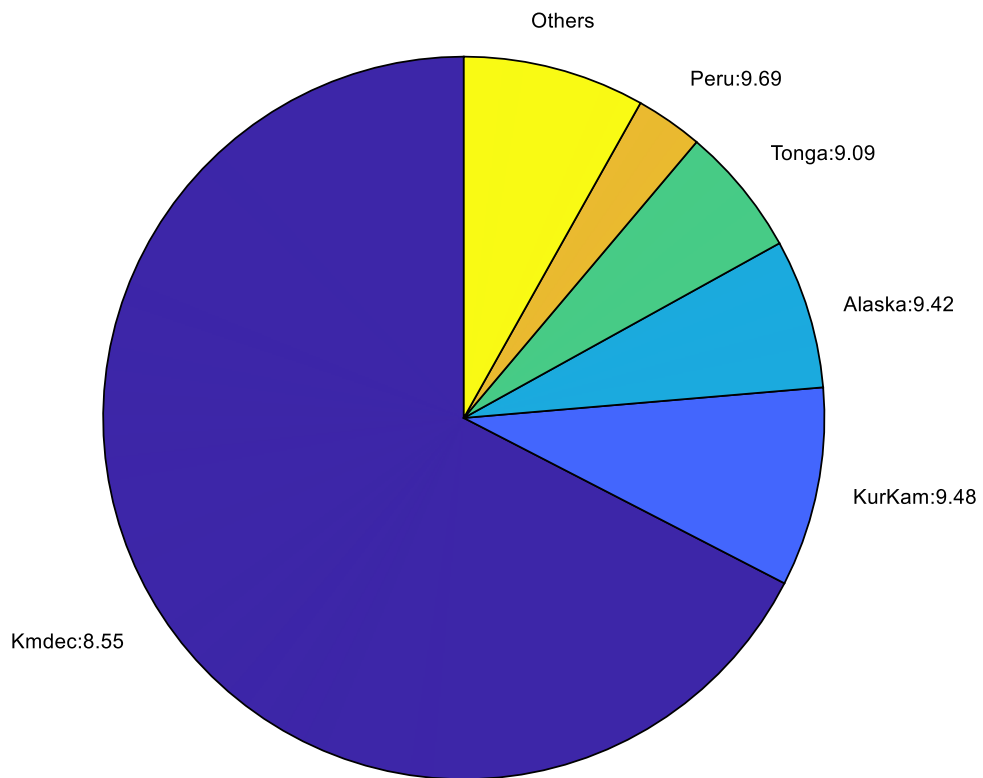


## A1.10 Coastal Section 10: Great Exhibition Bay – Kokota (The Sandspit)

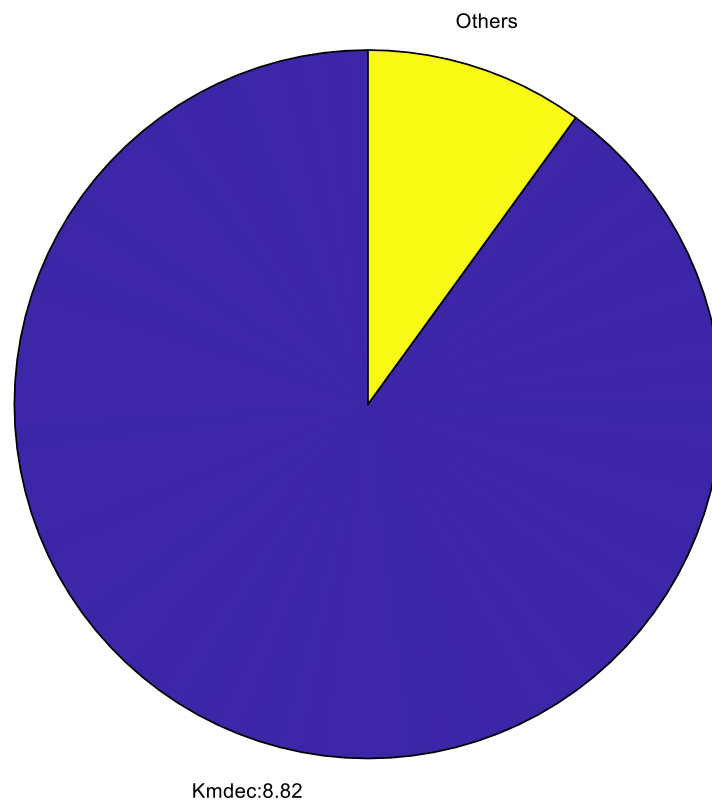
### Ahipara to Bay of Islands, Great Exhibition Bay - Kokota (The Sandspit)



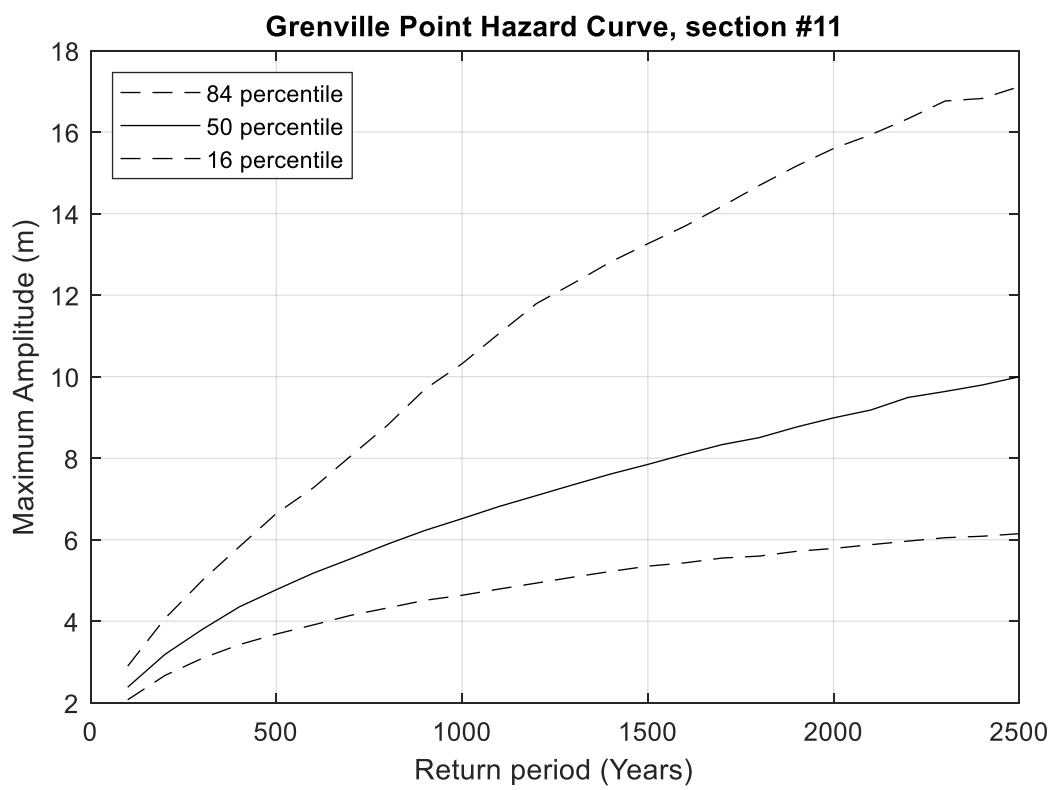
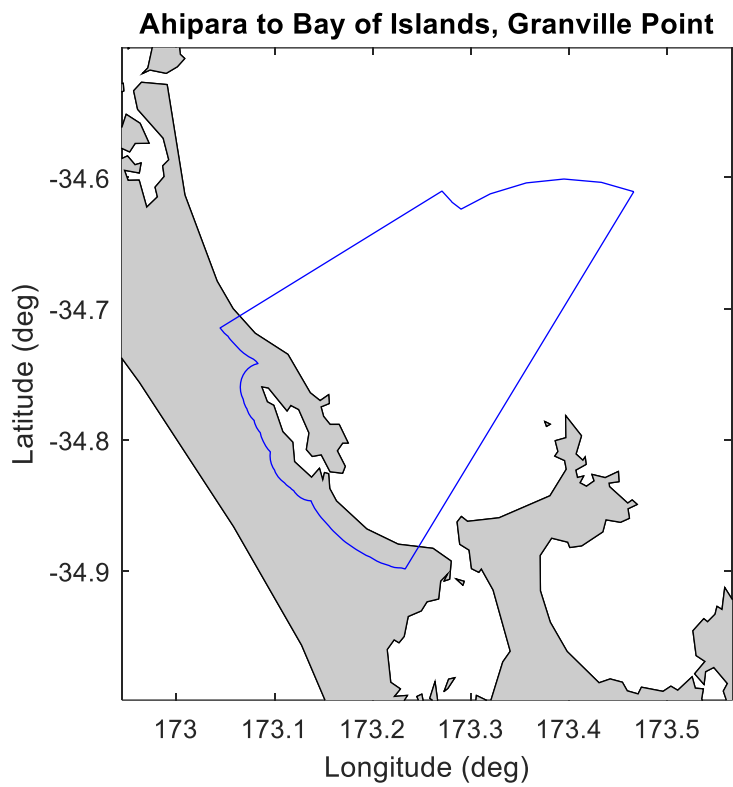
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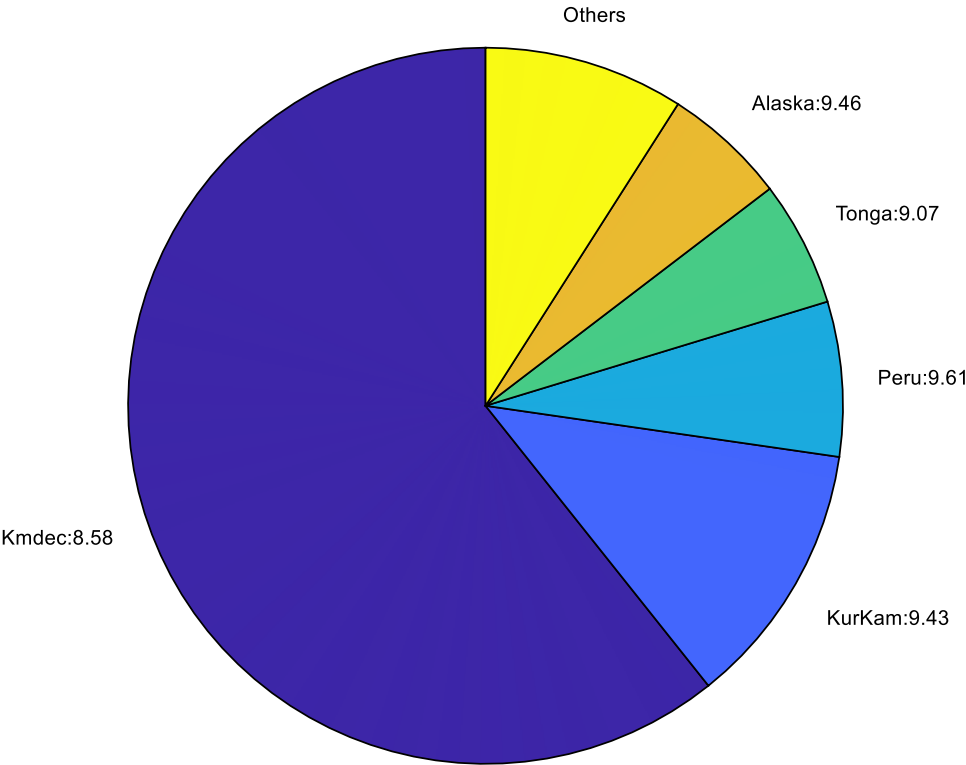
Deaggregation of Section:10, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.83 m



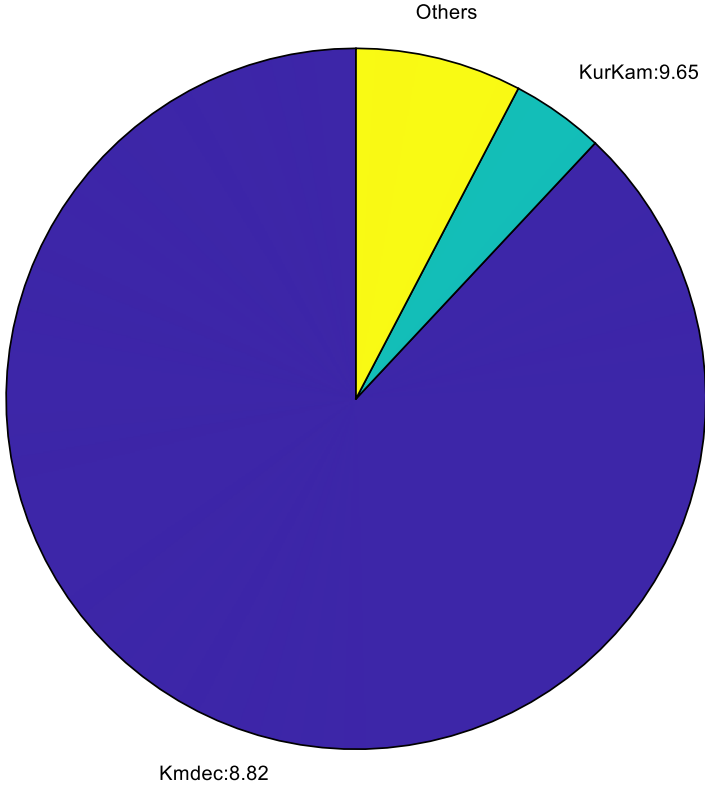
## A1.11 Coastal Section 11: Grenville Point



Deaggregation of Section:11, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.77 m

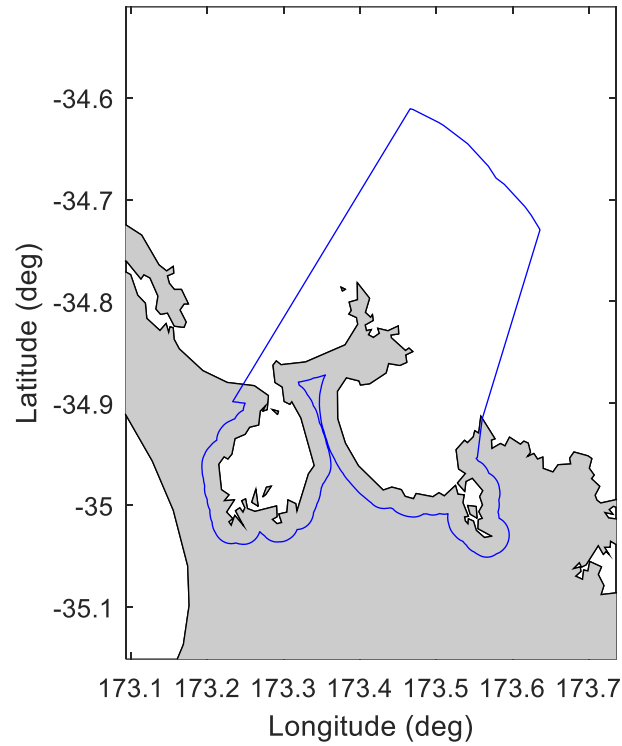


Deaggregation of Section:11, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:9.98 m

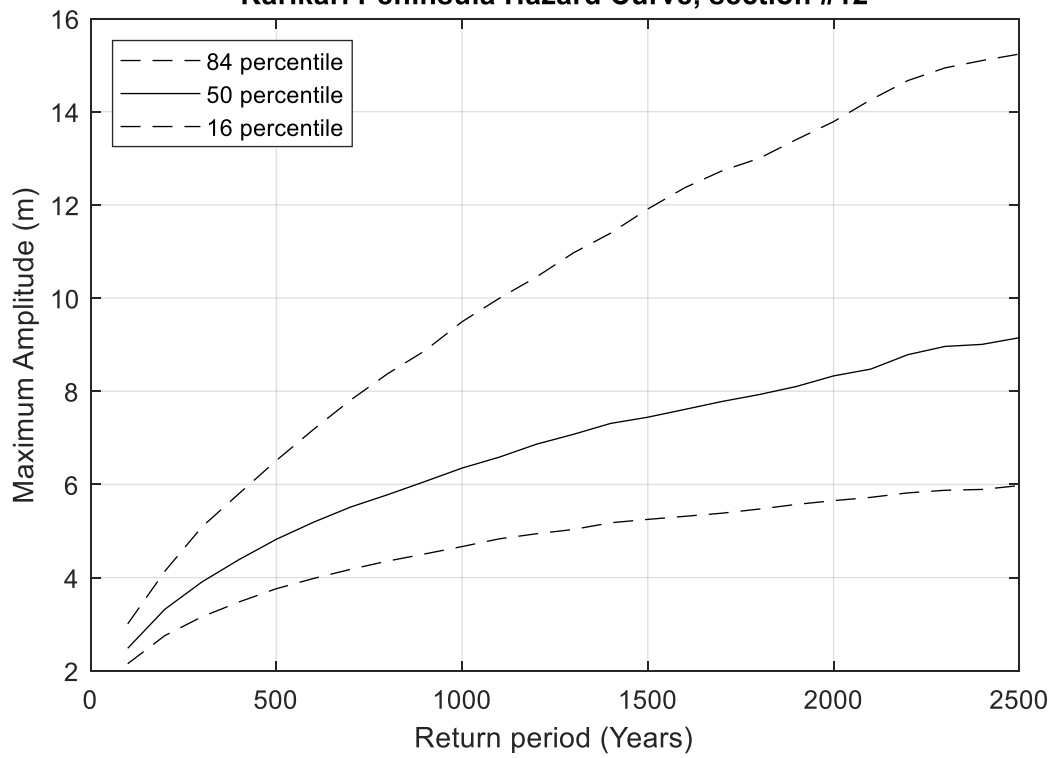


## A1.12 Coastal Section 12: Karikari Peninsula

### Ahipara to Bay of Islands, Karikari Peninsula

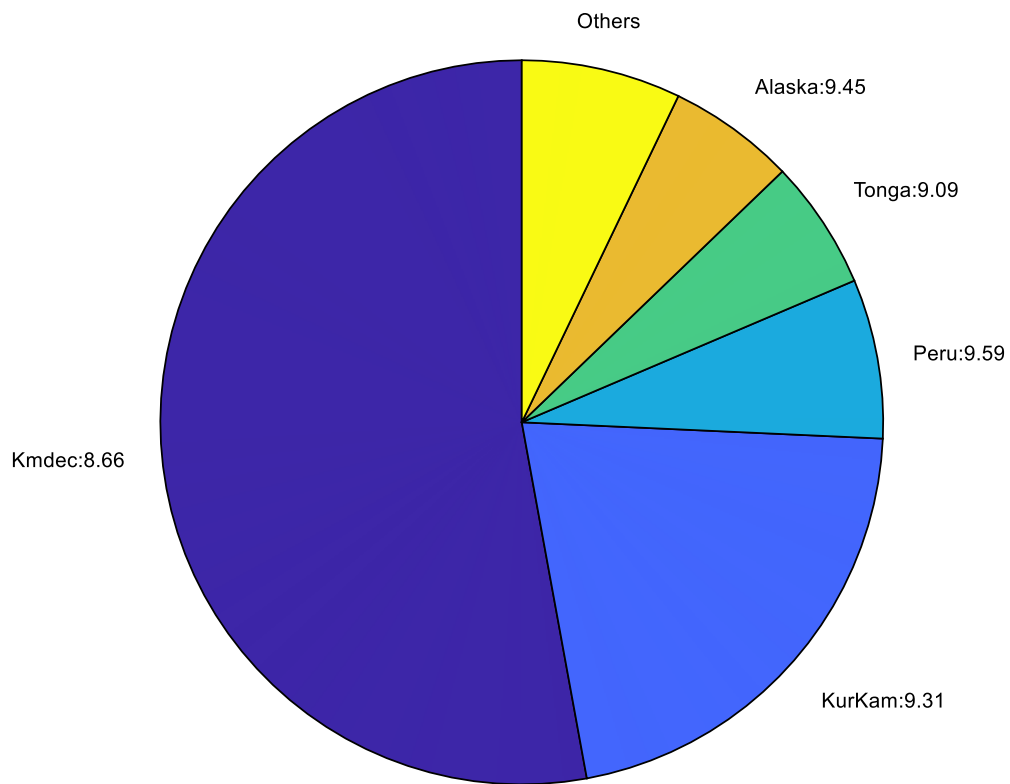


### Karikari Peninsula Hazard Curve, section #12

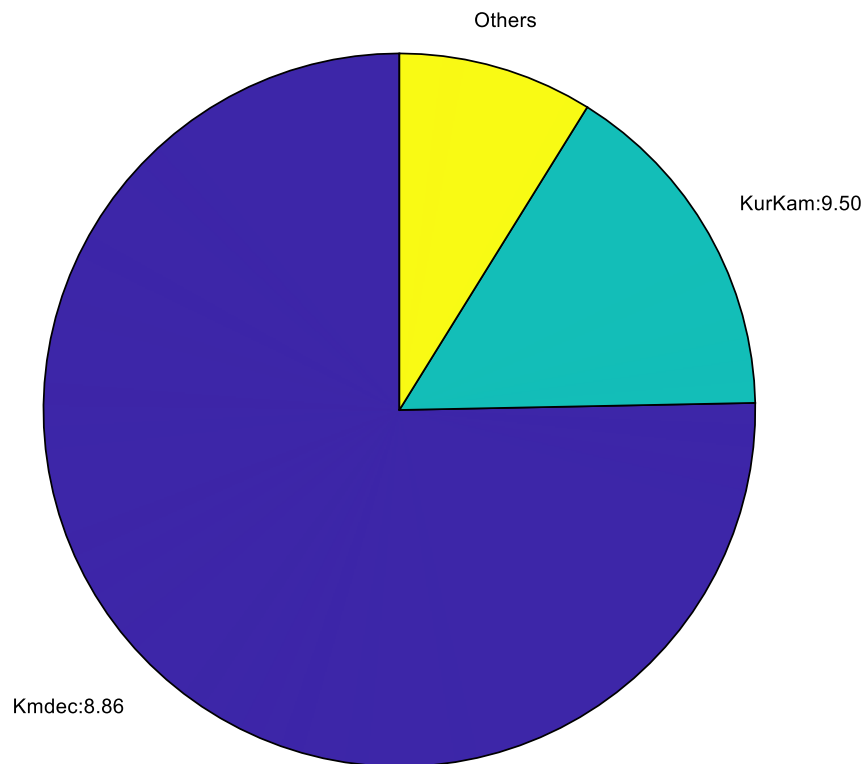




Deaggregation of Section:12, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.82 m

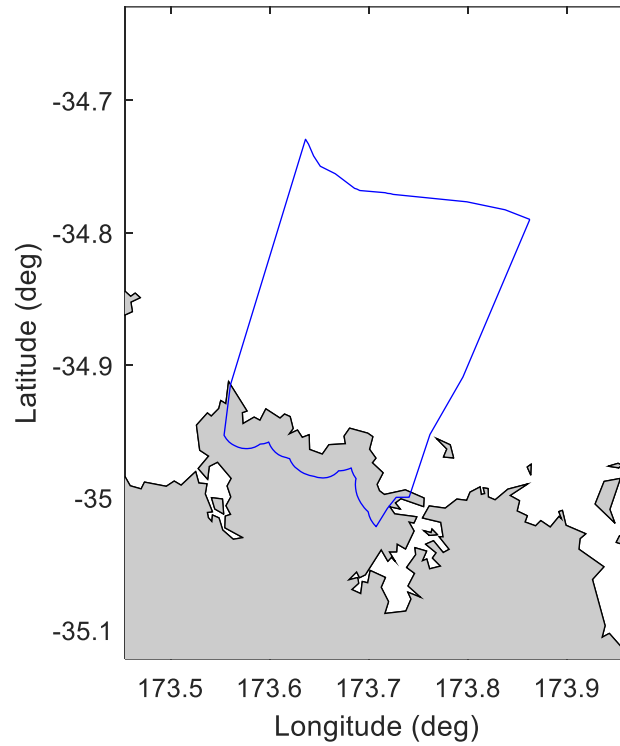


Deaggregation of Section:12, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:9.14 m

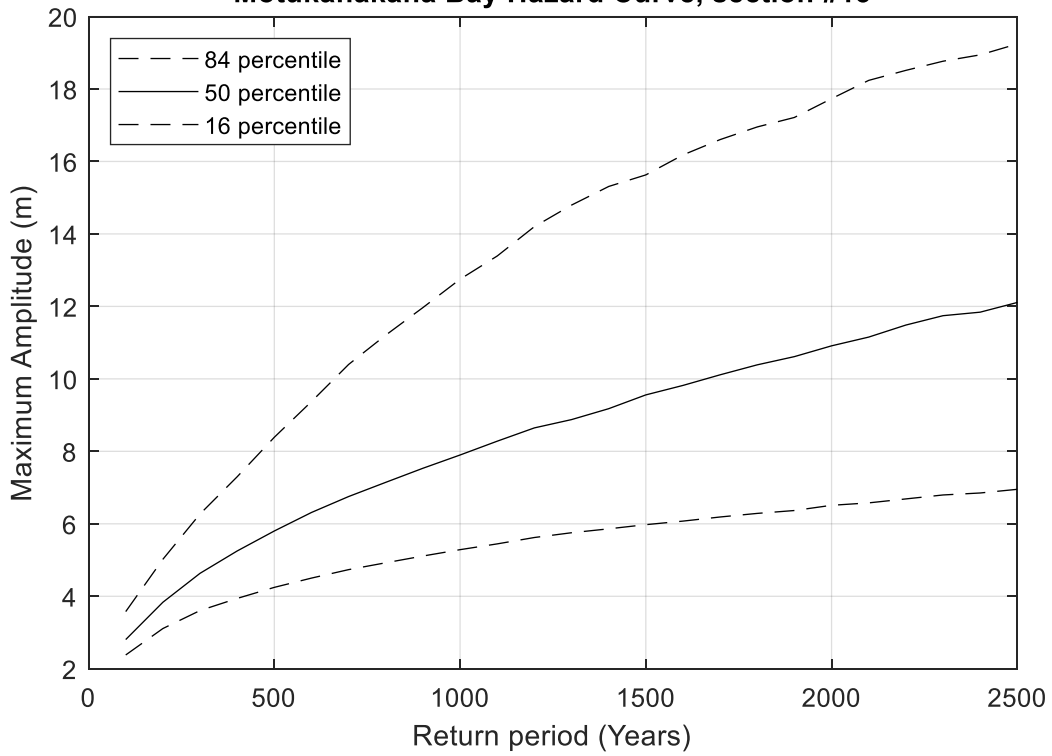


### A1.13 Coastal Section 13: Motukahakaha Bay

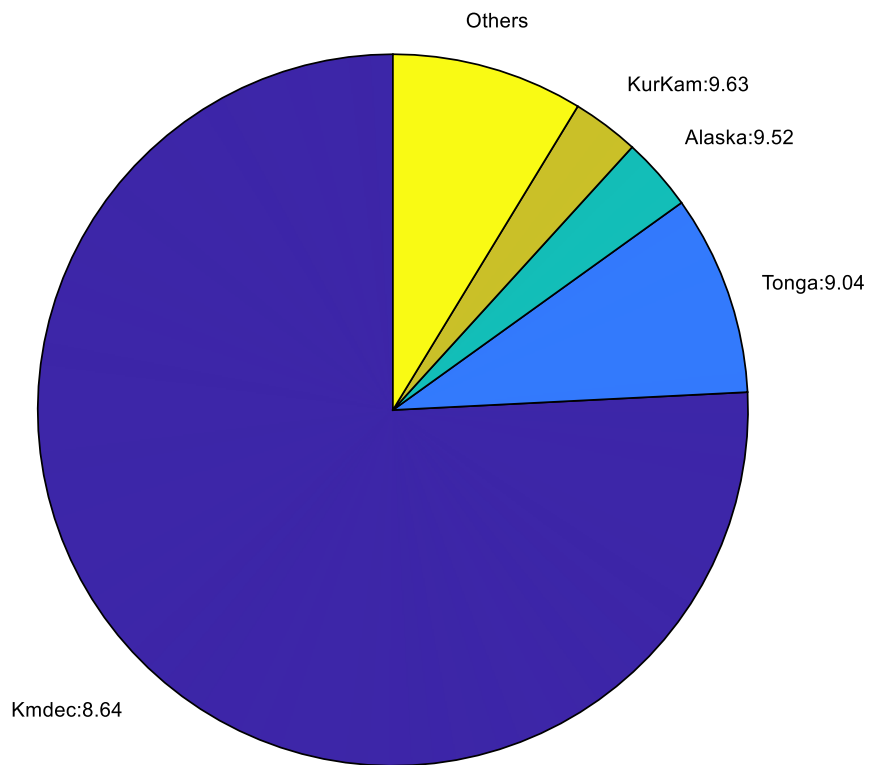
Ahipara to Bay of Islands, Motukahakaha Bay



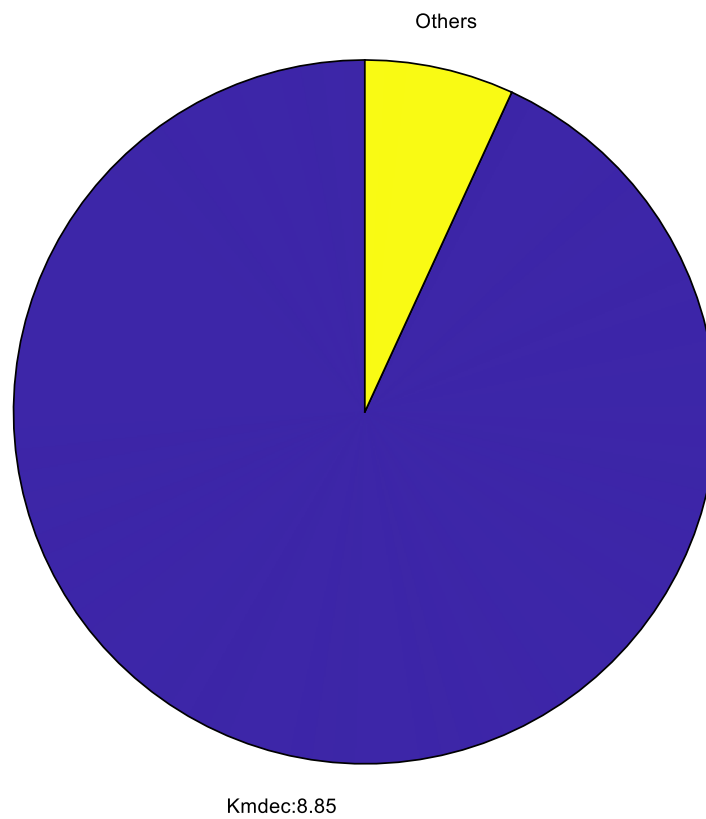
Motukahakaha Bay Hazard Curve, section #13



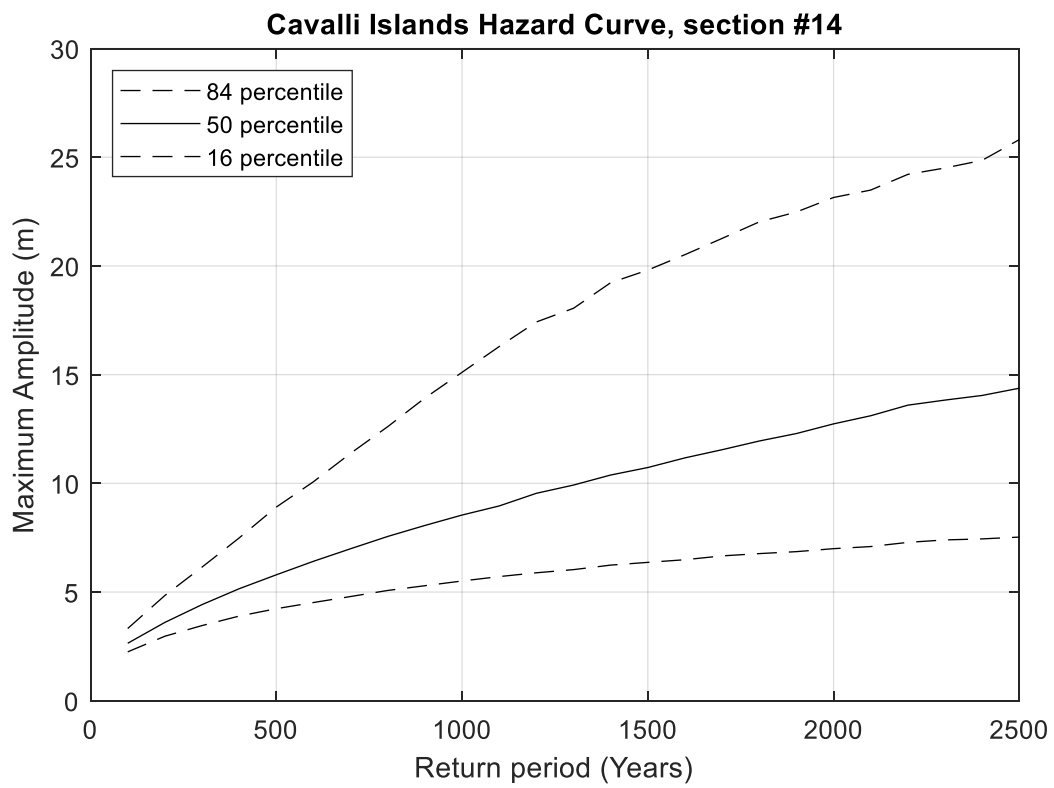
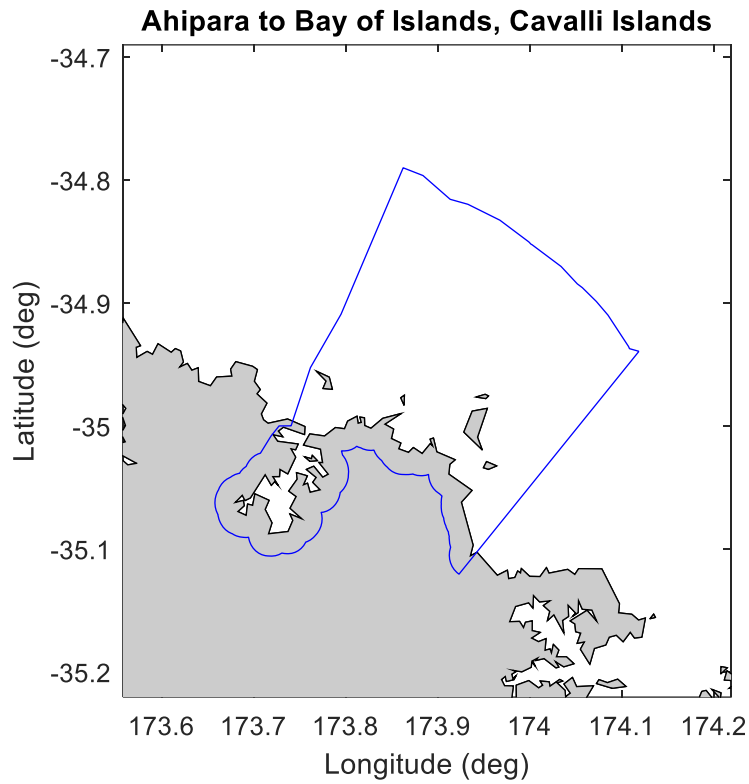
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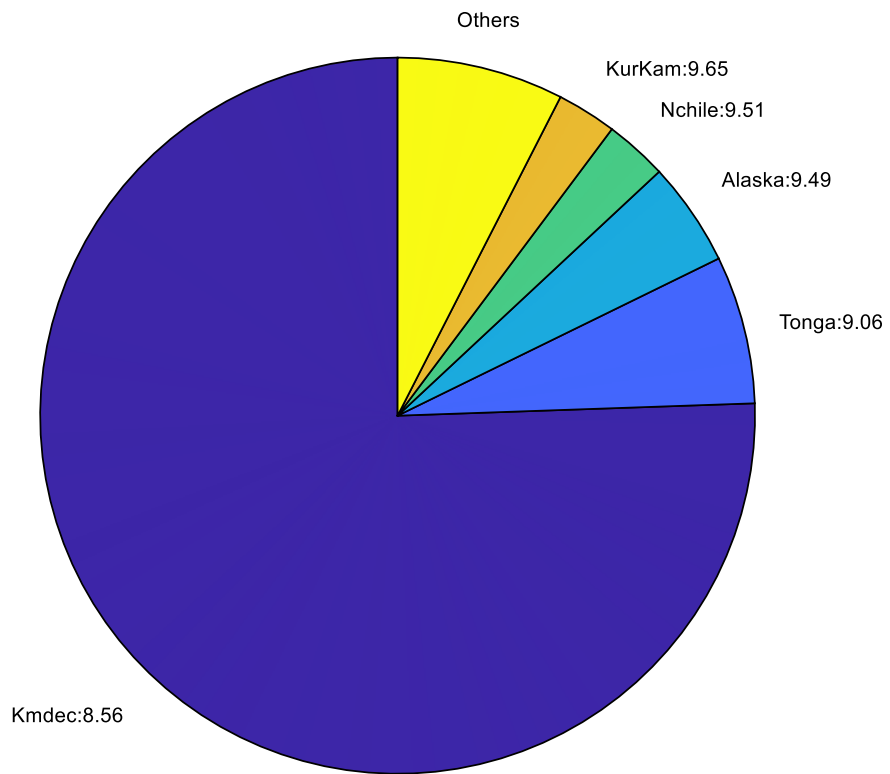
Deaggregation of Section:13, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:12.10 m



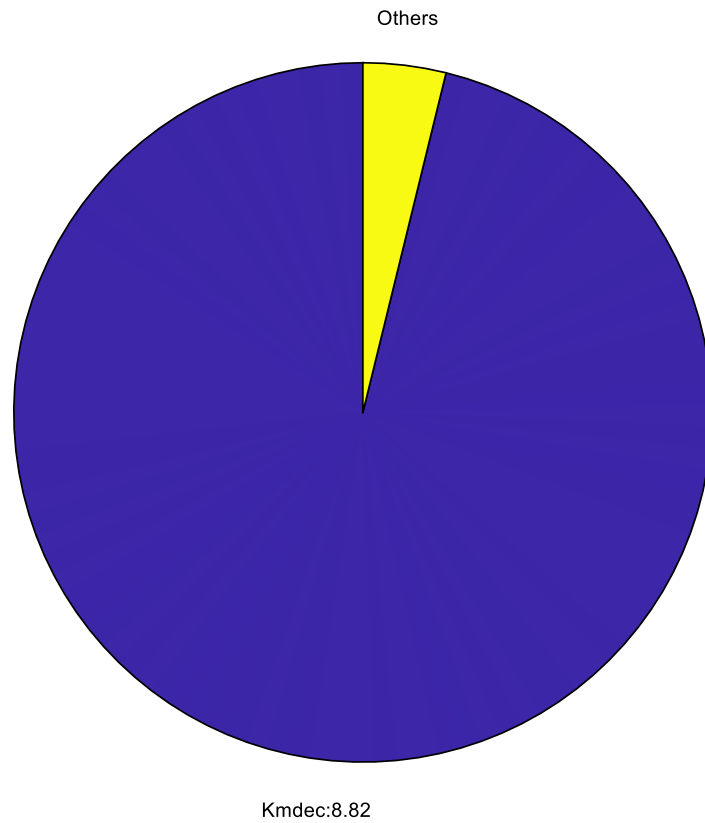
### A1.14 Coastal Section 14: Cavalli Islands



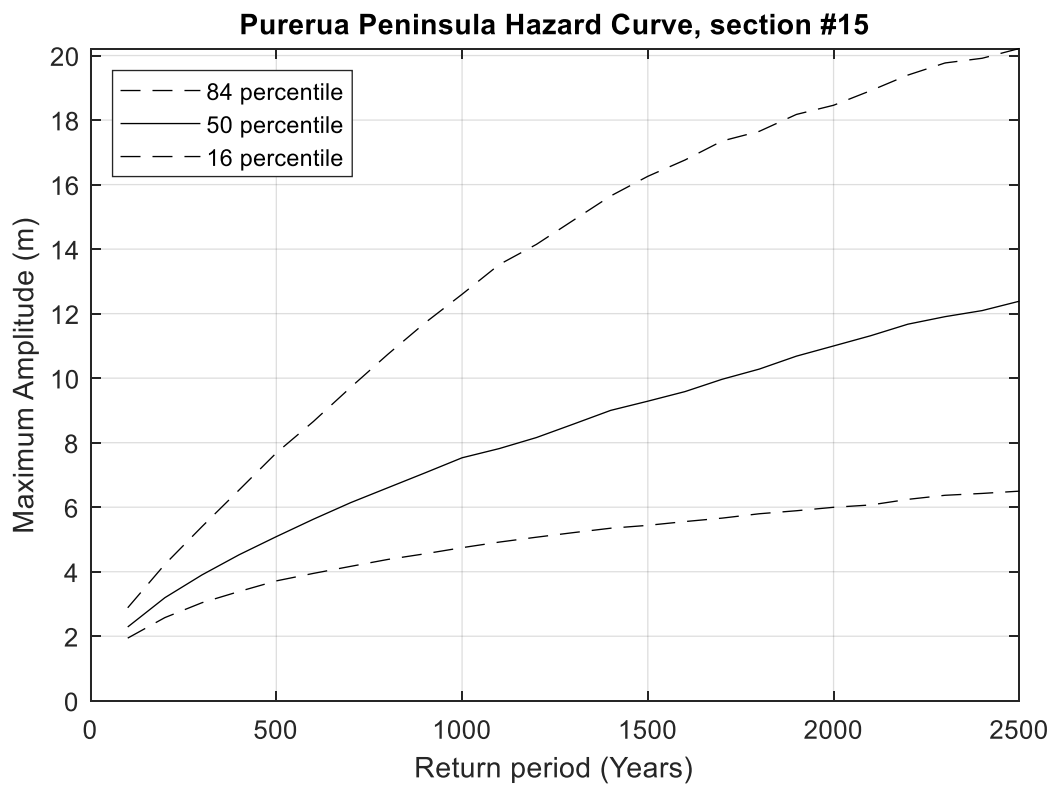
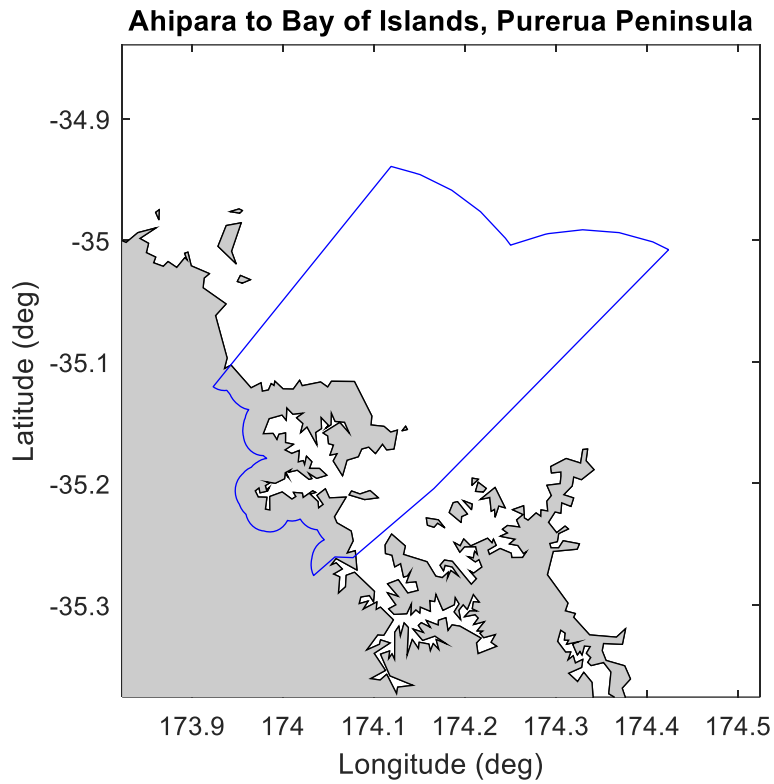
Deaggregation of Section:14, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.79 m



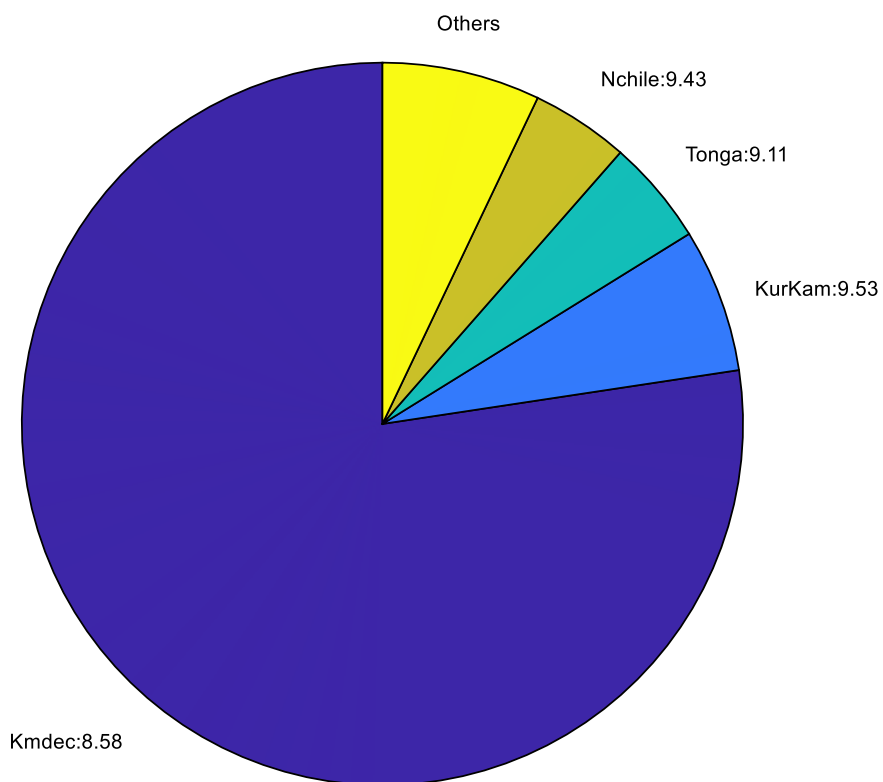
Deaggregation of Section:14, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:14.36 m



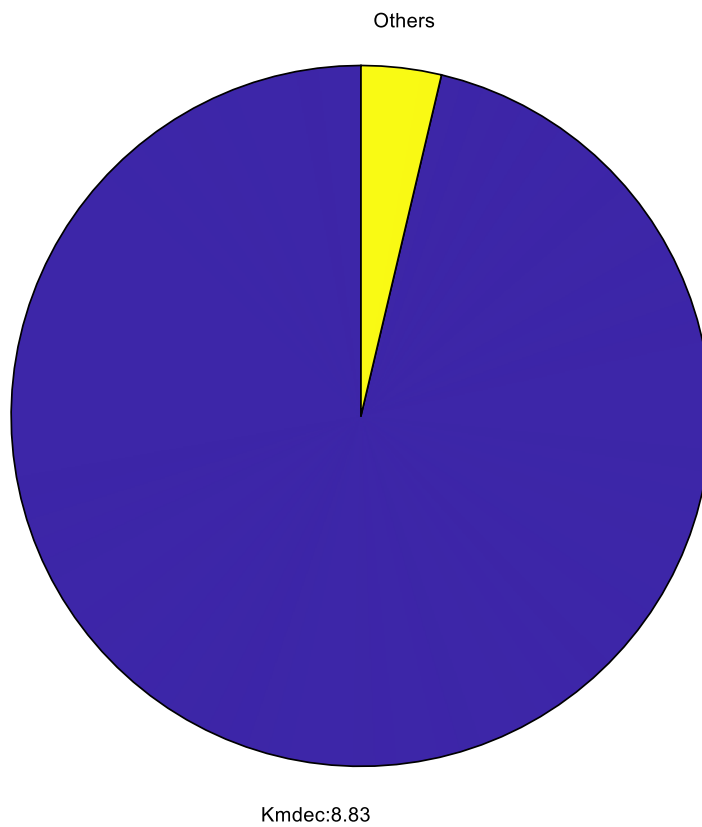
## A1.15 Coastal Section 15: Purerua Peninsula



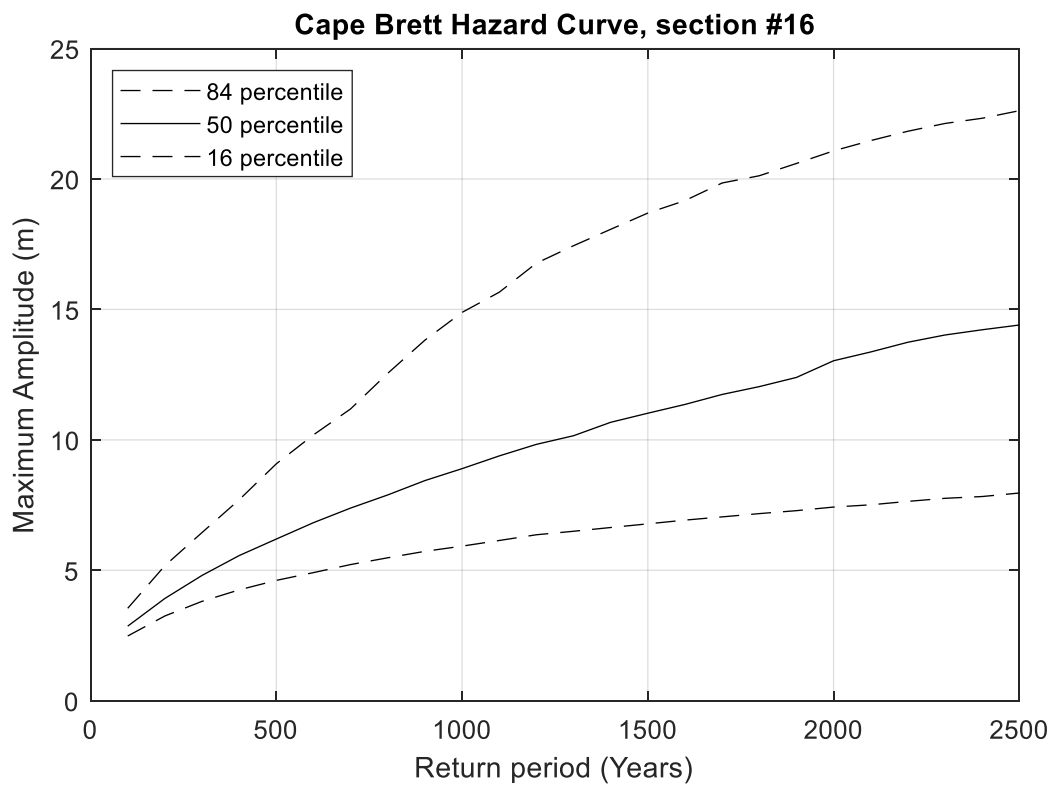
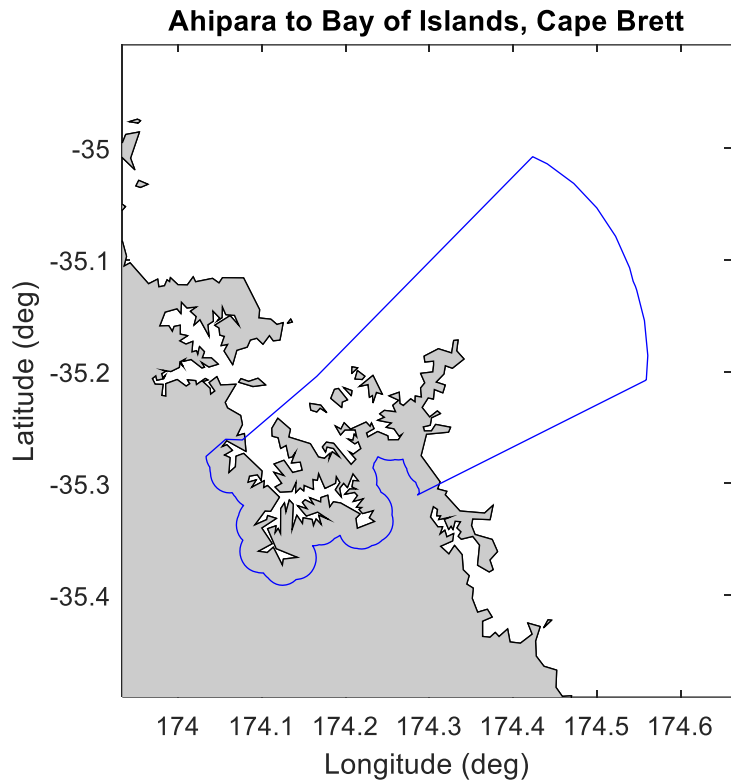
Deaggregation of Section:15, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.09 m



Deaggregation of Section:15, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:12.38 m

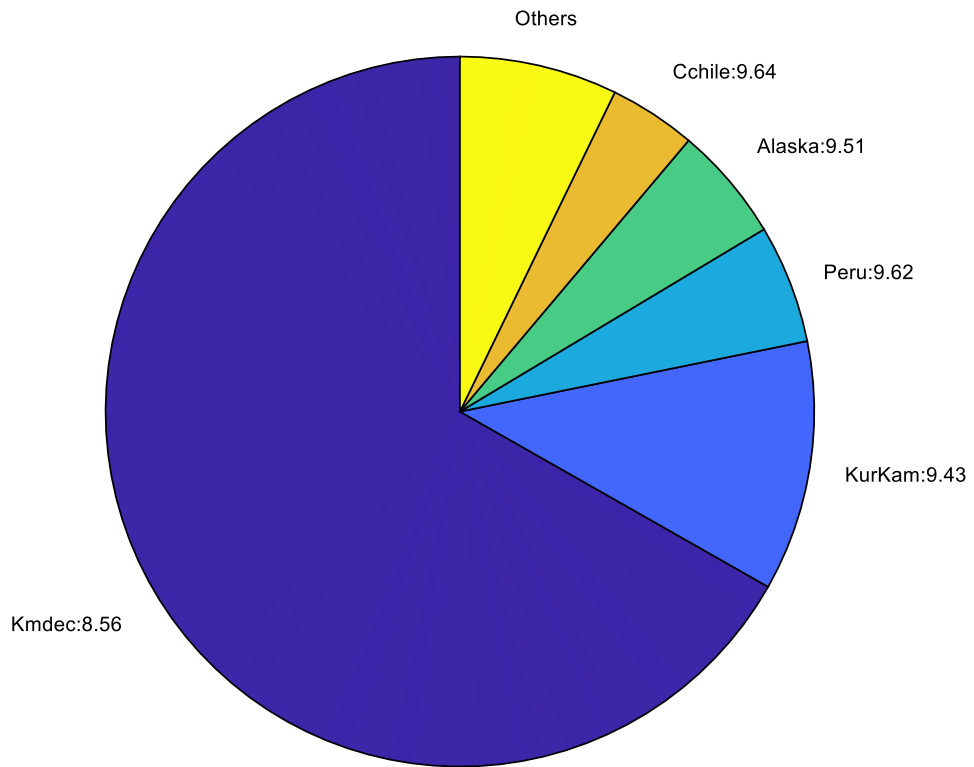


## A1.16 Coastal Section 16: Cape Brett

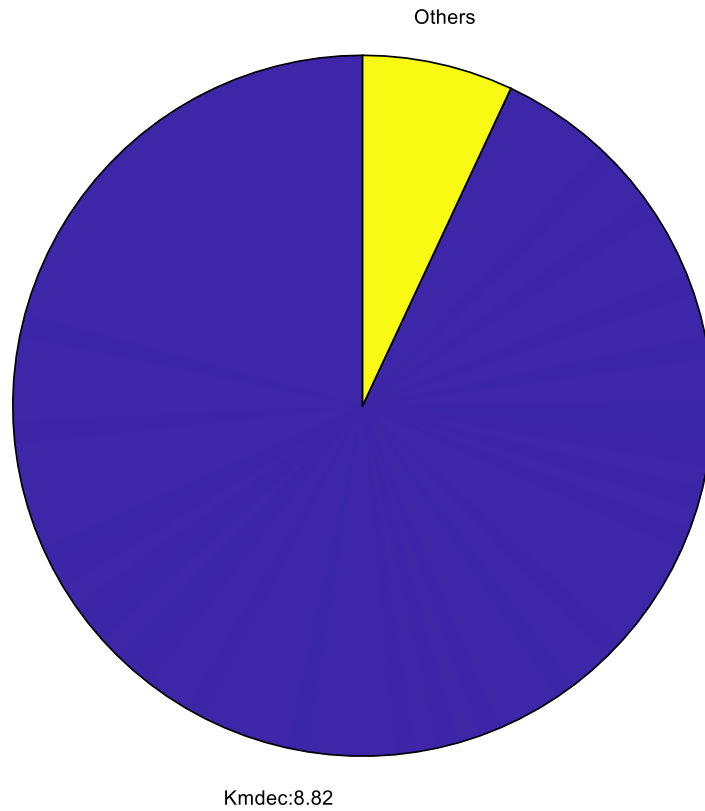




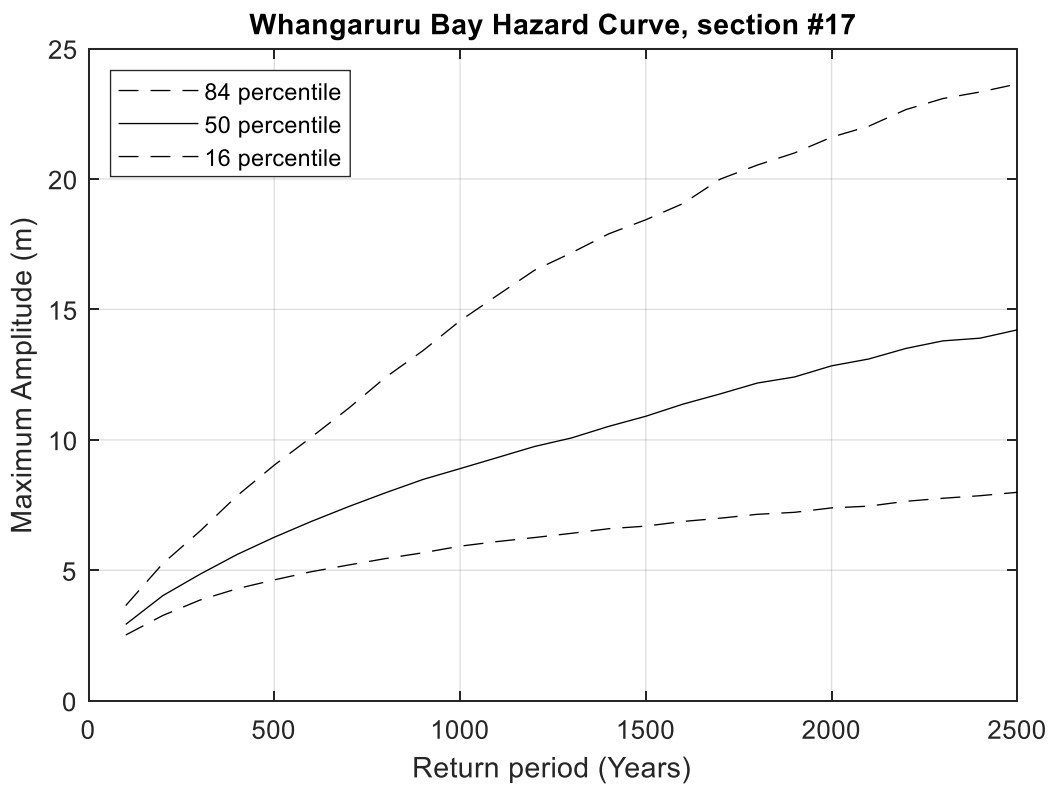
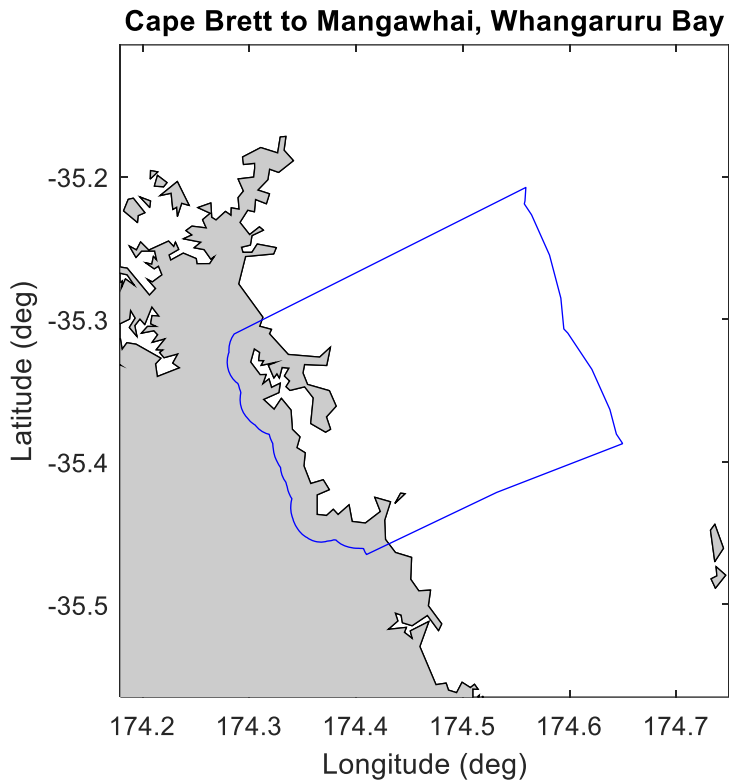
Deaggregation of Section:16, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.20 m



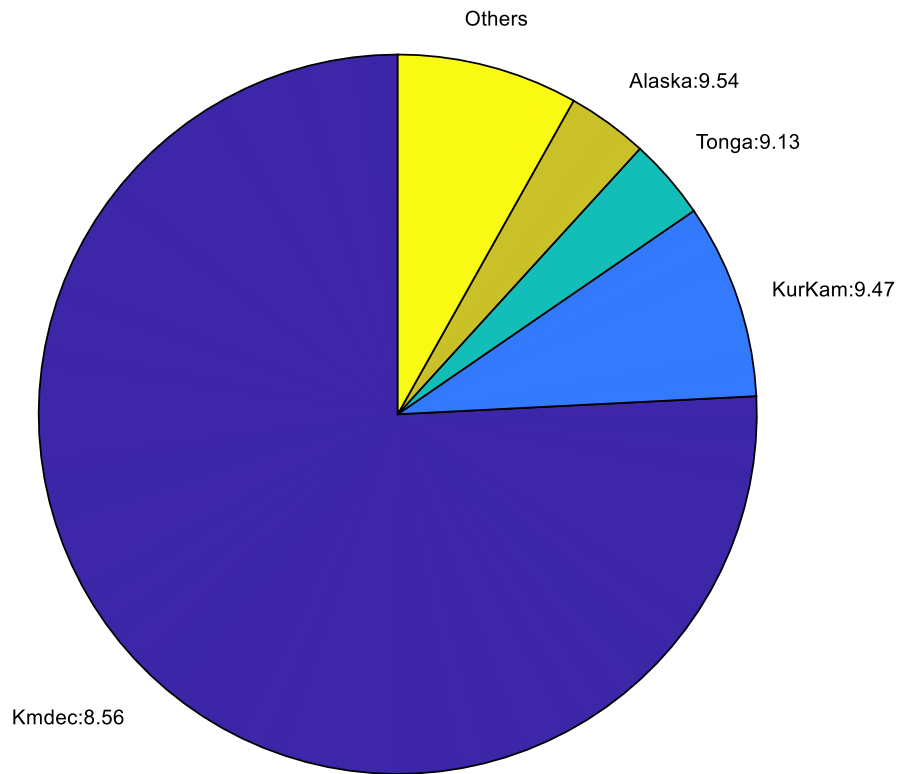
Deaggregation of Section:16, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:14.40 m



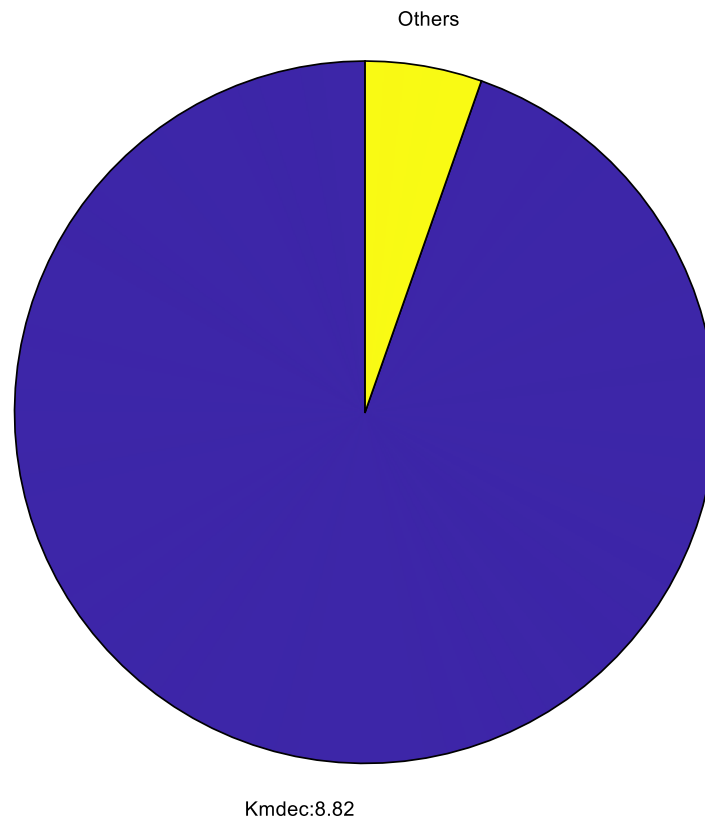
### A1.17 Coastal Section 17: Whangaruru Bay



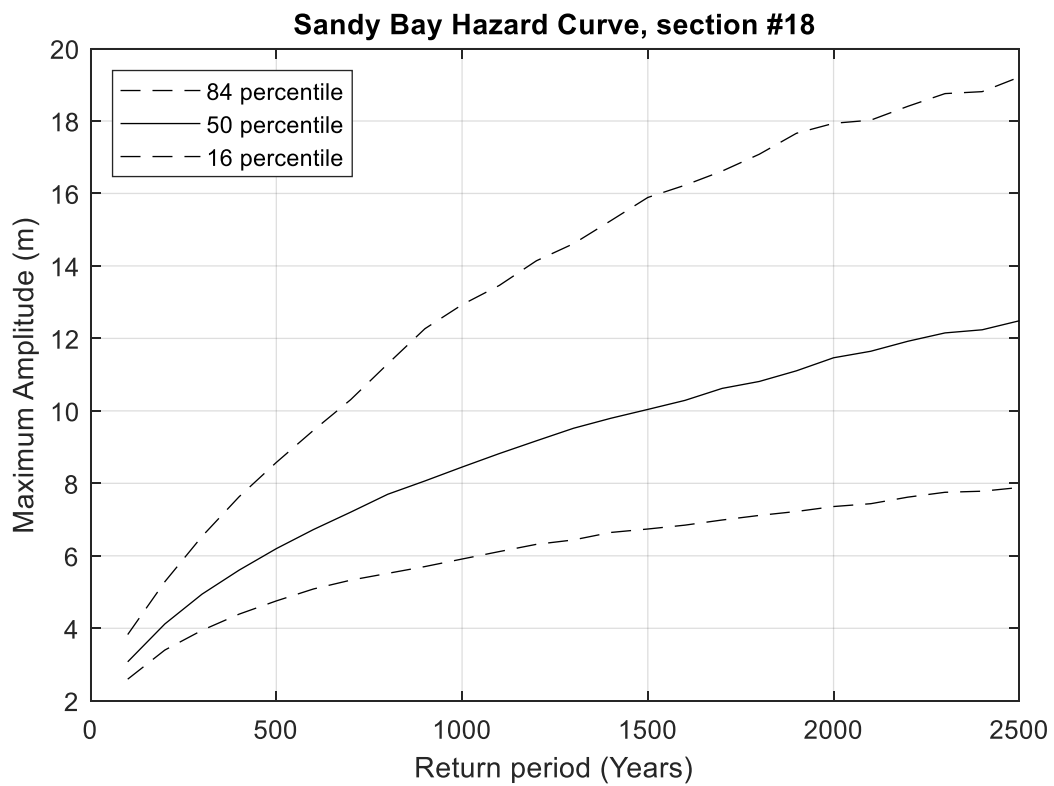
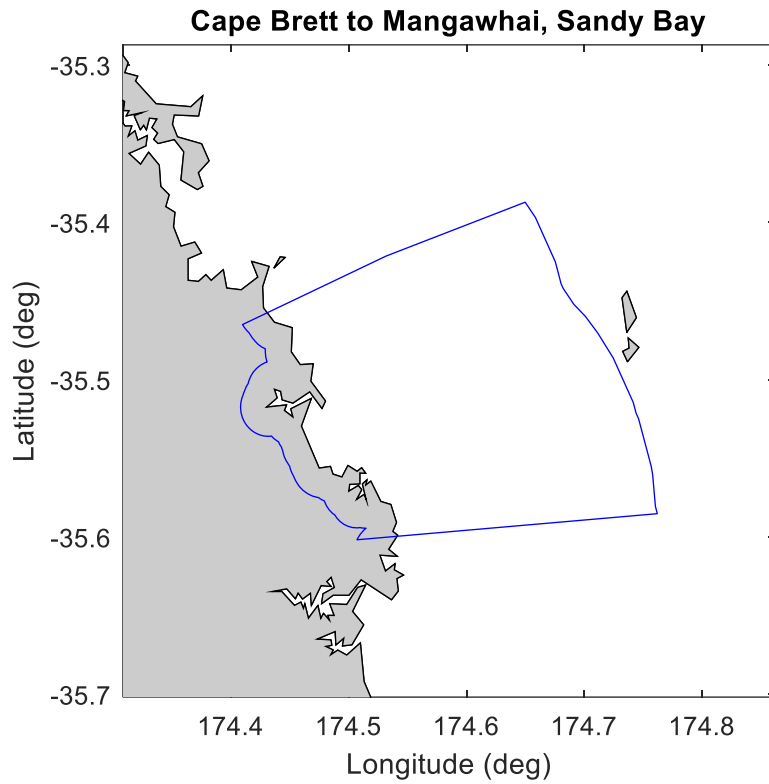
Deaggregation of Section:17, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.27 m



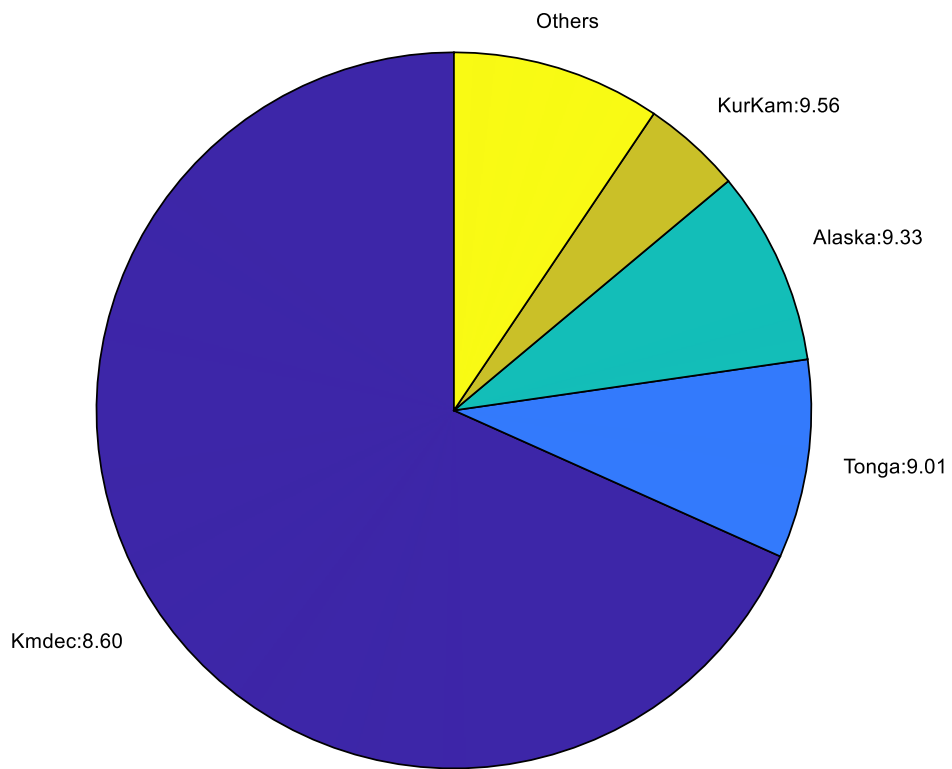
Deaggregation of Section:17, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:14.19 m



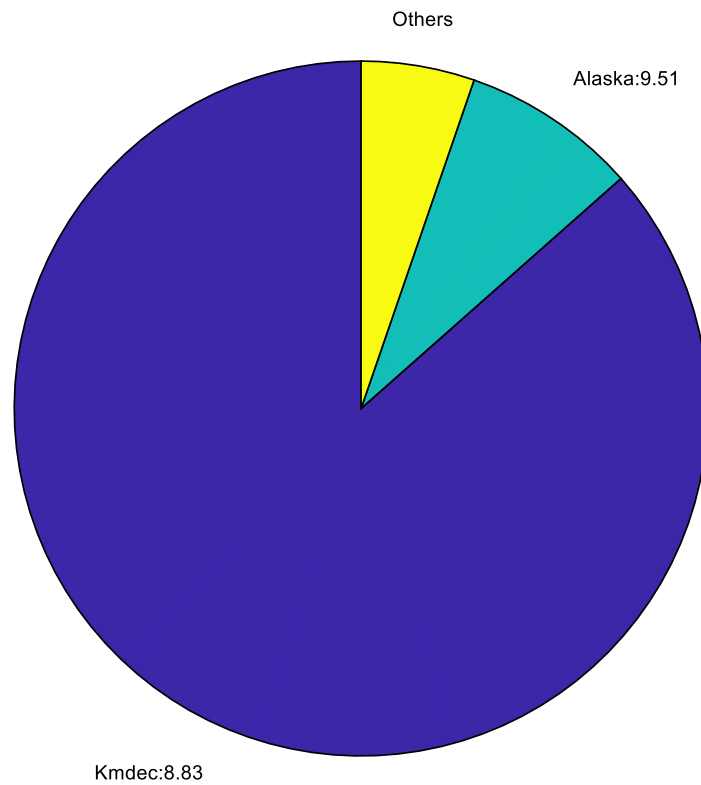
## A1.18 Coastal Section 18: Sandy Bay



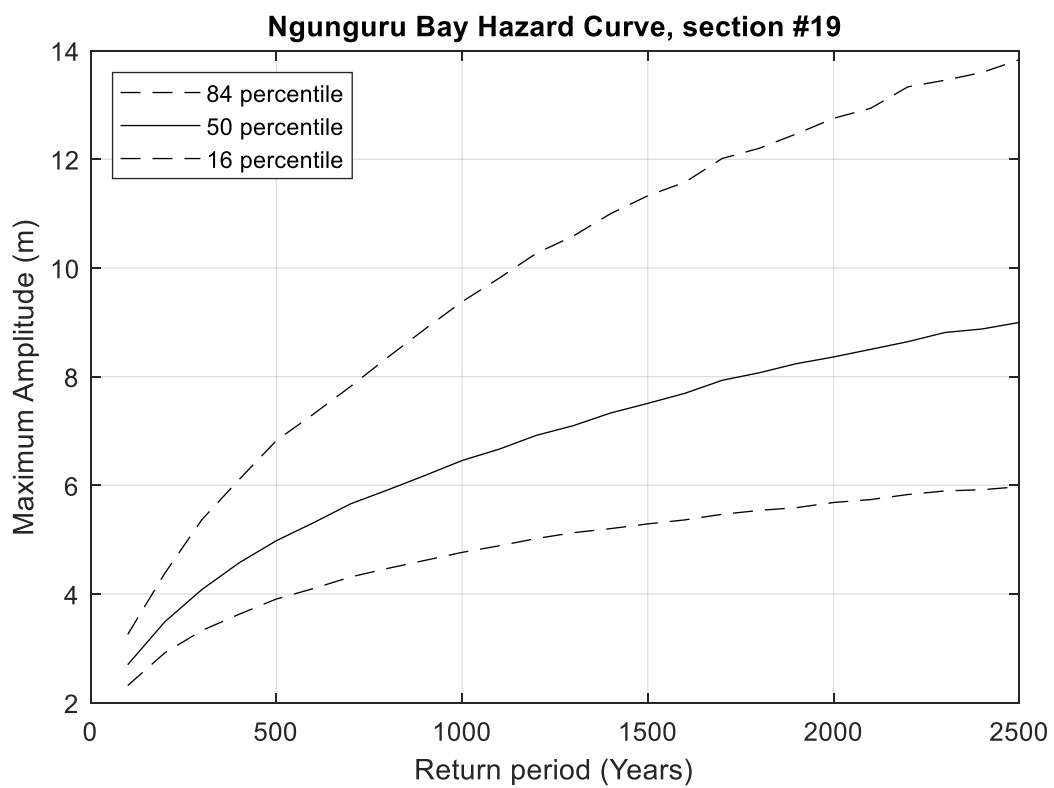
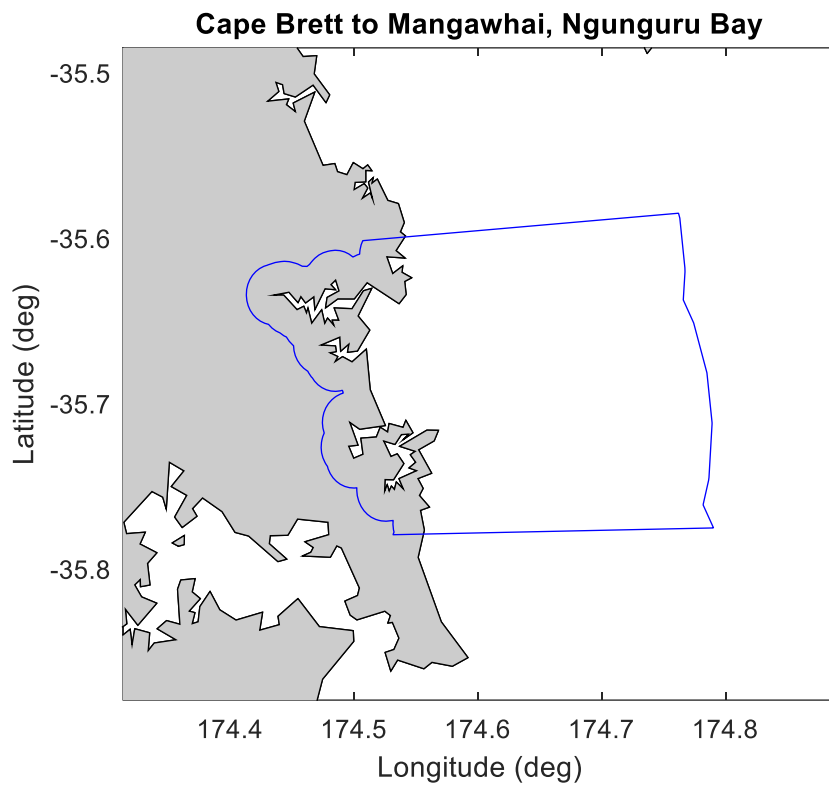
Deaggregation of Section:18, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.19 m



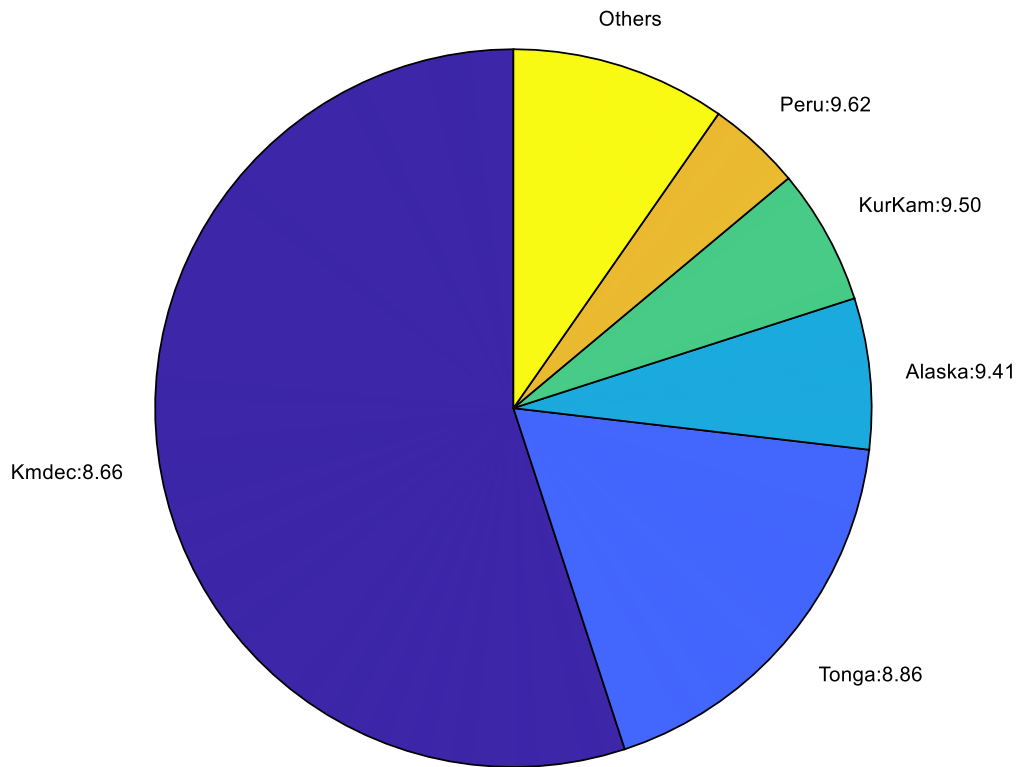
Deaggregation of Section:18, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:12.47 m



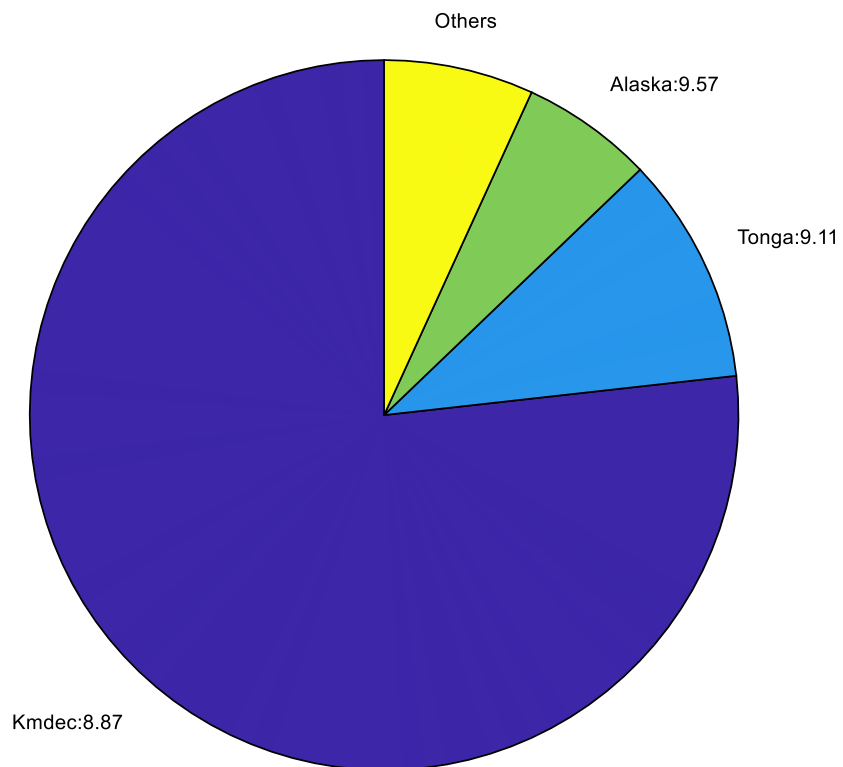
## A1.19 Coastal Section 19: Ngunguru Bay



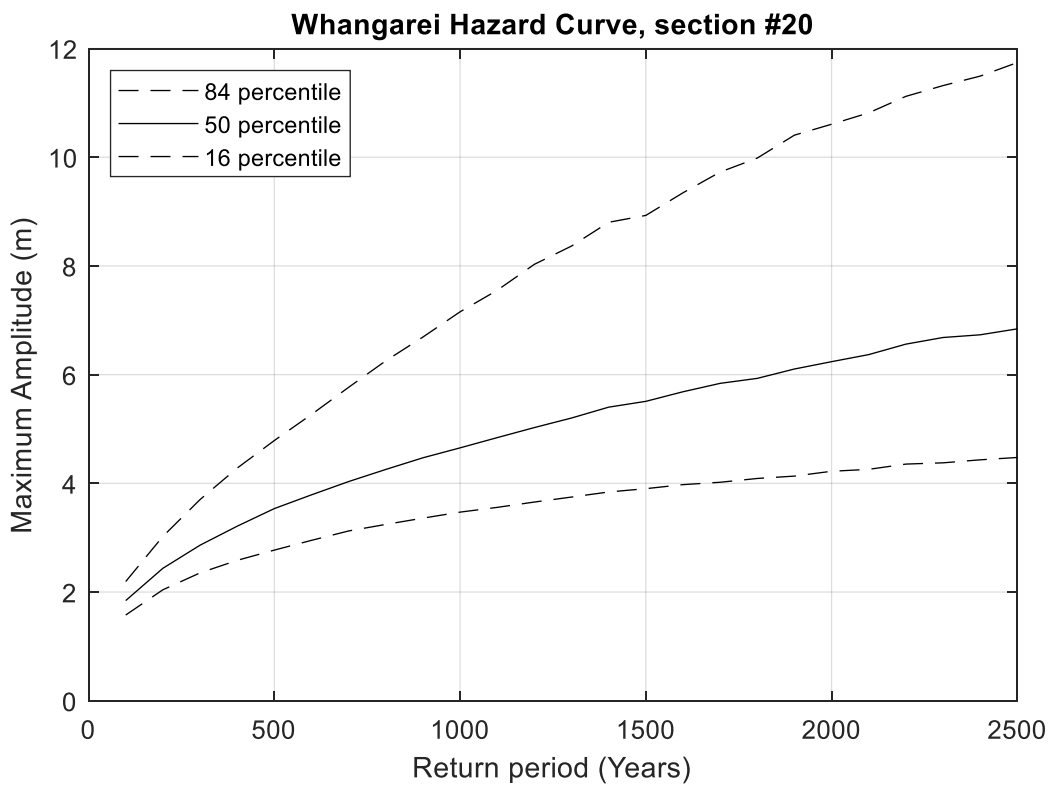
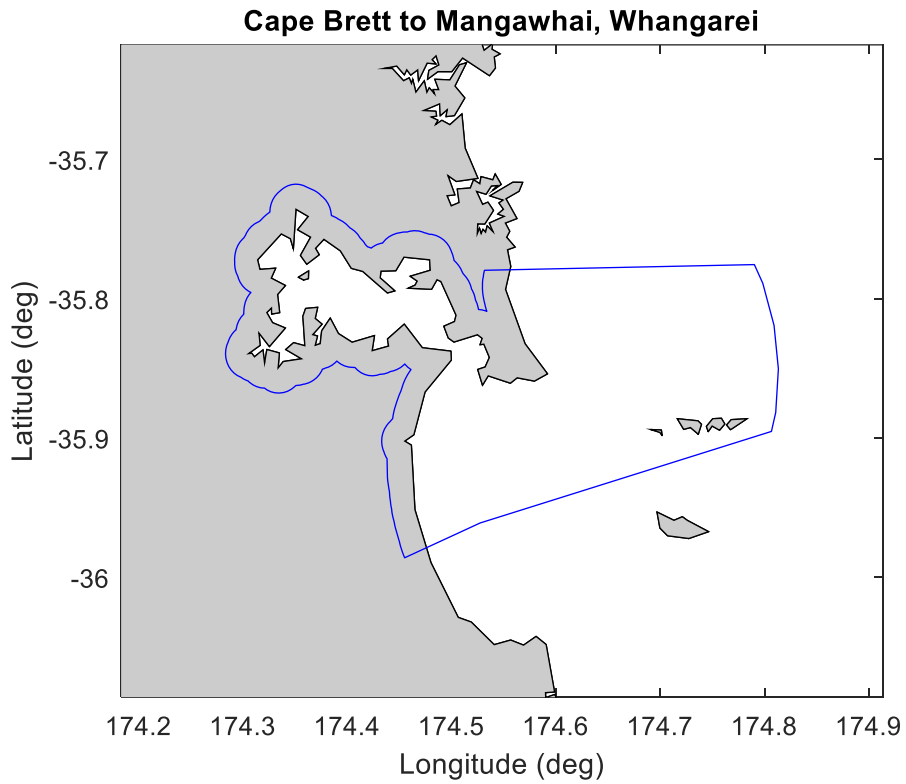
Deaggregation of Section:19, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.98 m



Deaggregation of Section:19, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:9.00 m

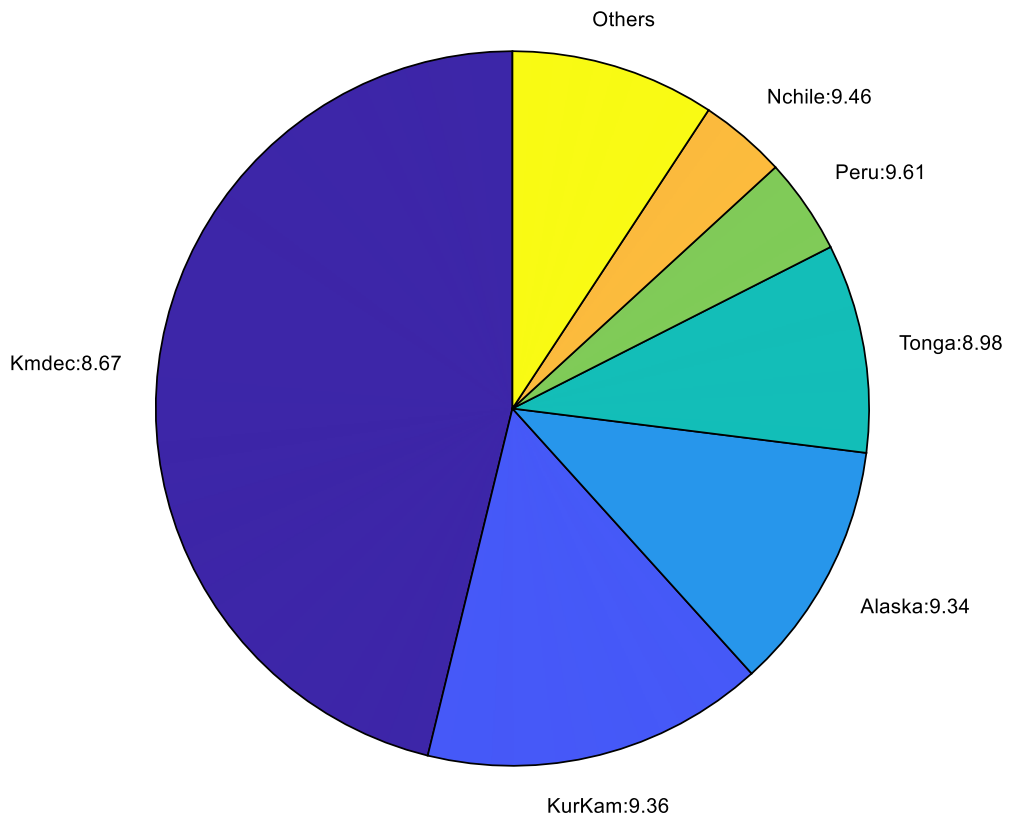


## A1.20 Coastal Section 20: Whangārei

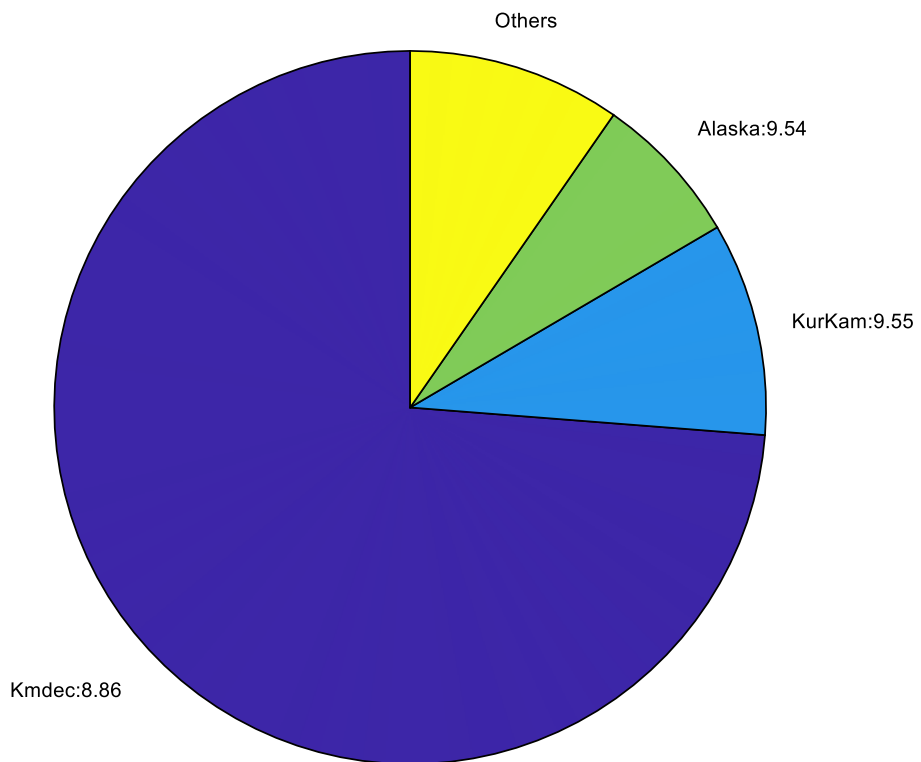




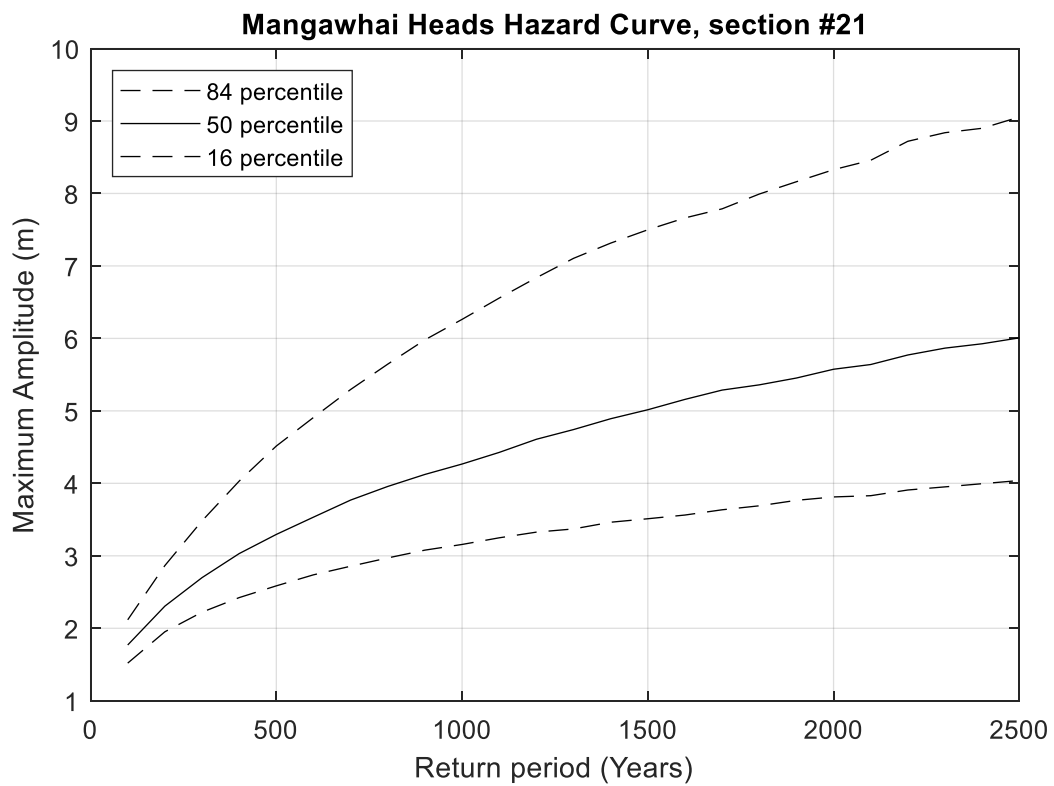
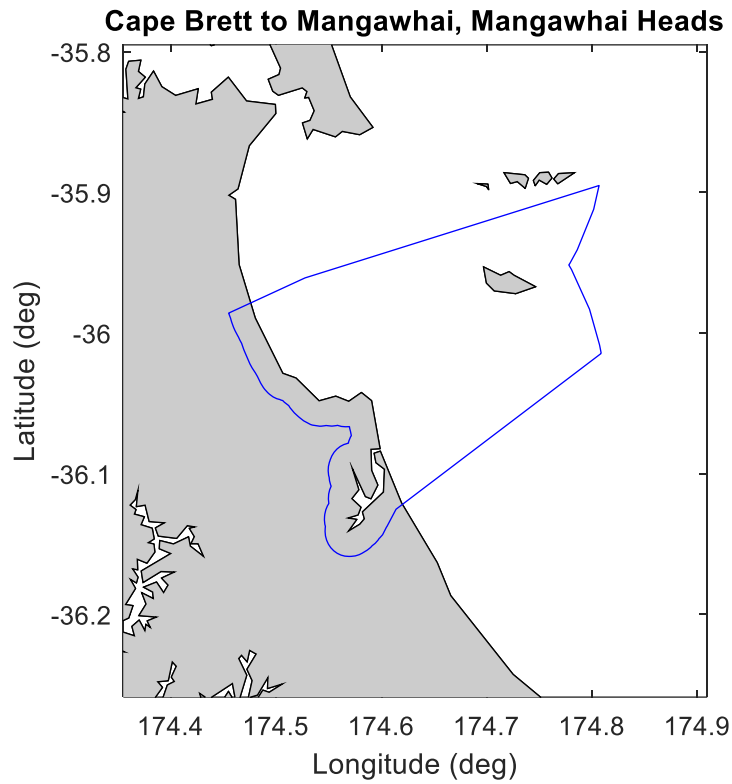
Deaggregation of Section:20, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.54 m



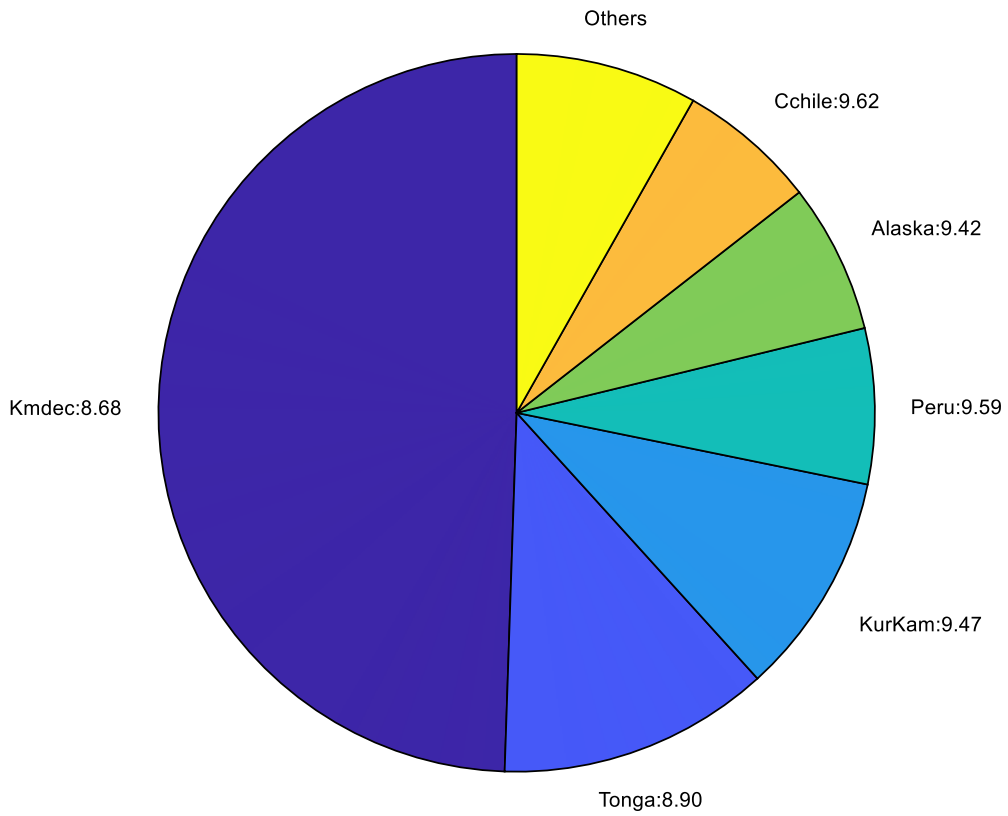
Deaggregation of Section:20, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.83 m



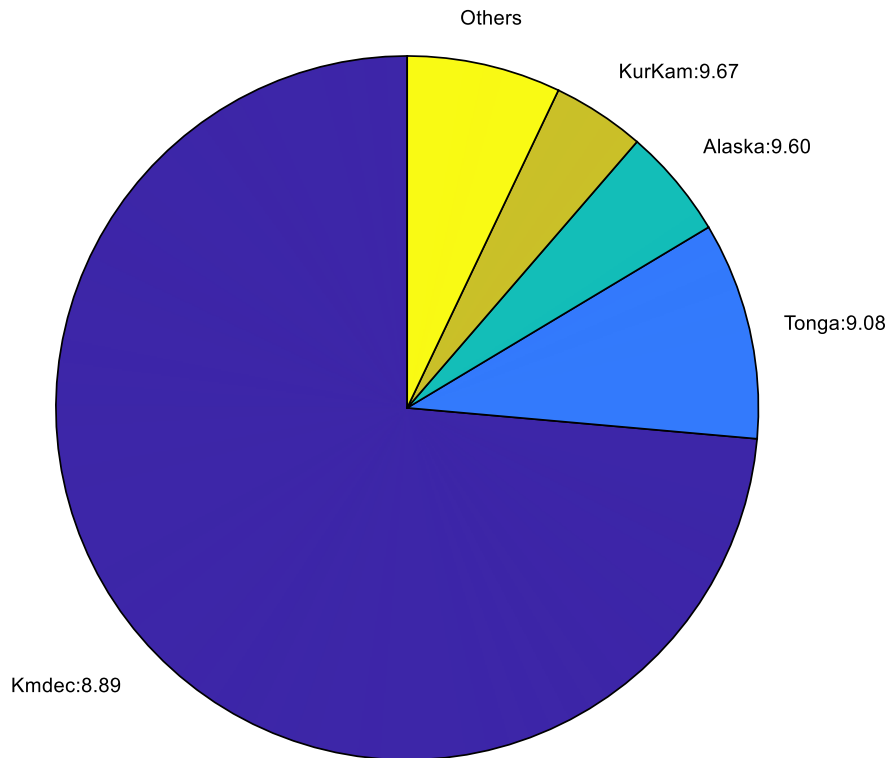
## A1.21 Coastal Section 21: Mangawhai Heads



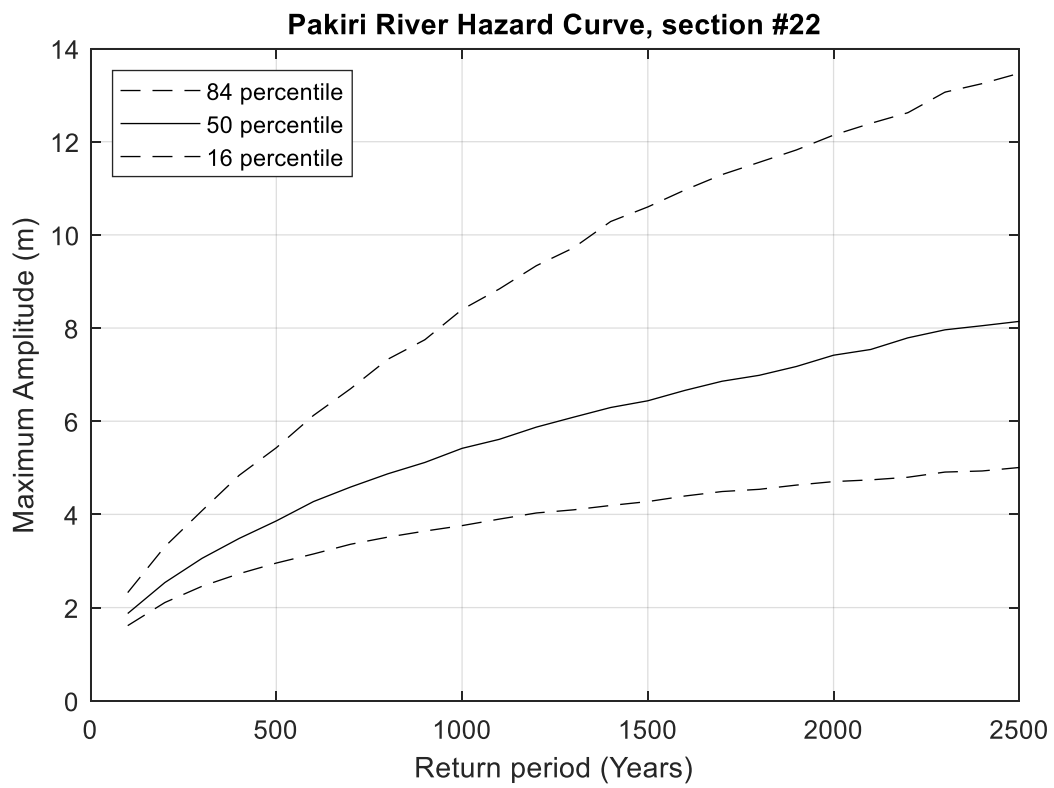
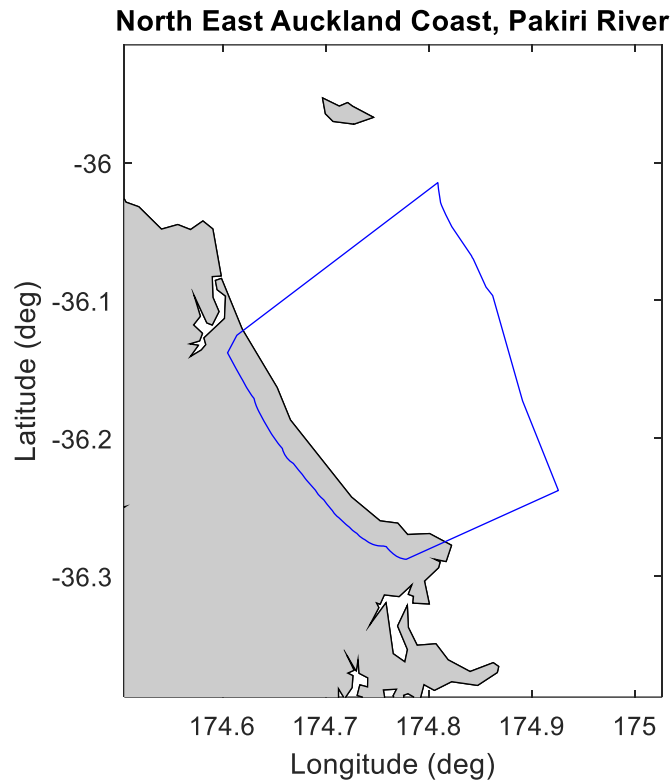
Deaggregation of Section:21, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.29 m



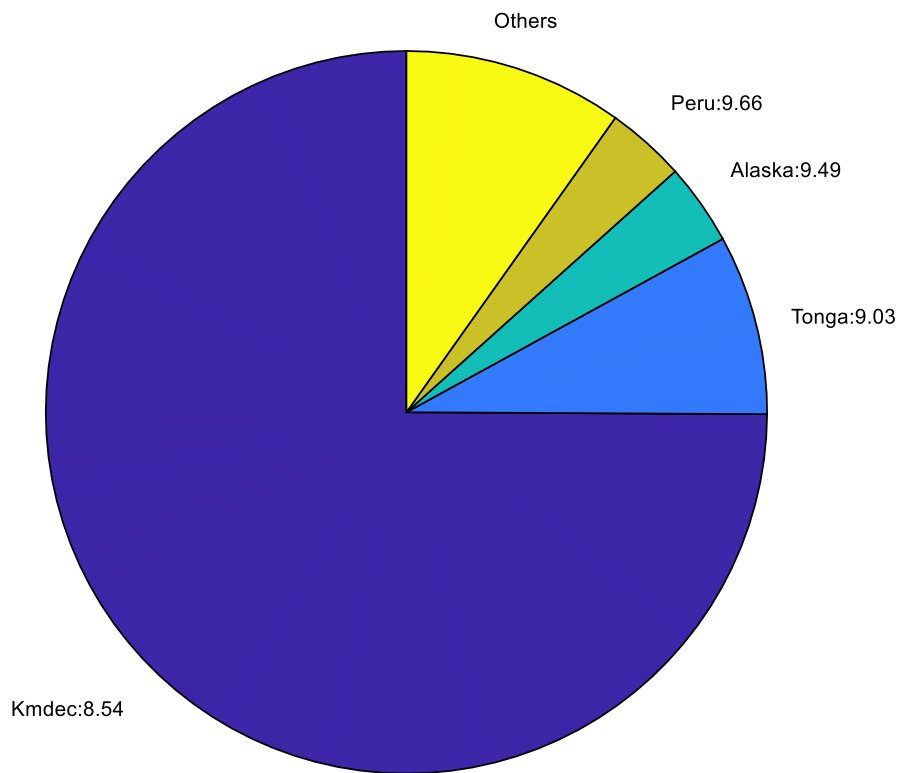
Deaggregation of Section:21, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.00 m



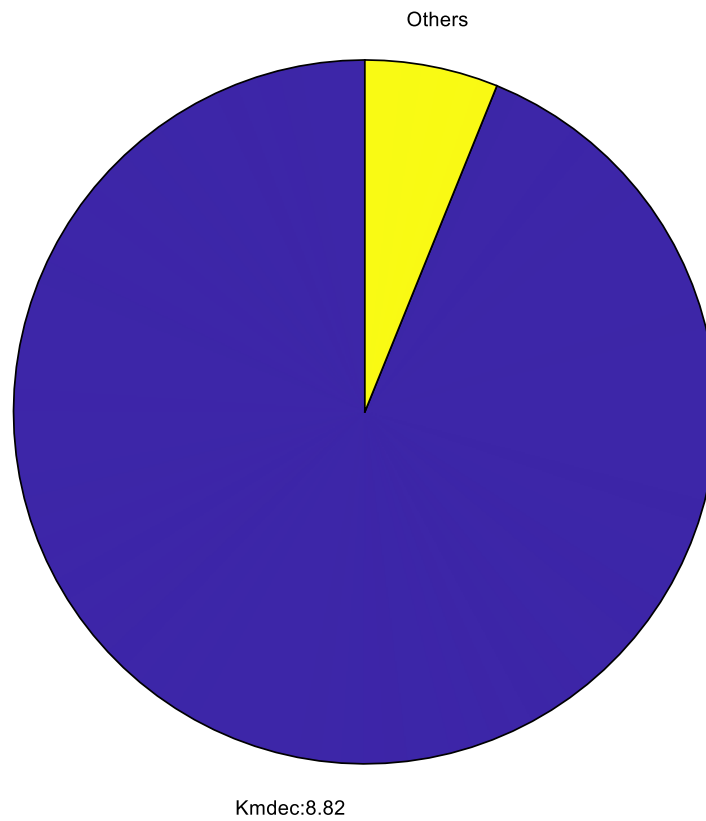
## A1.22 Coastal Section 22: Pakiri River



Deaggregation of Section:22, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.86 m

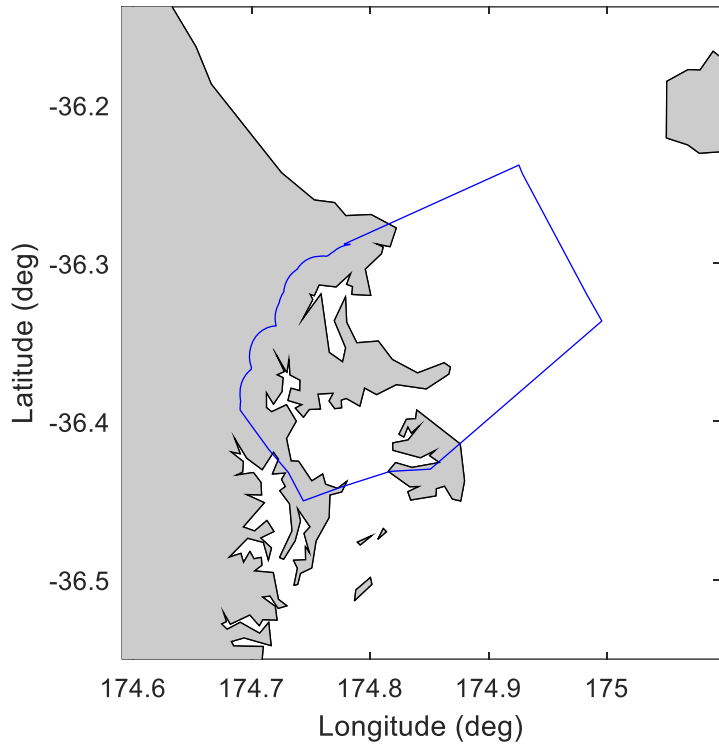


Deaggregation of Section:22, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.14 m

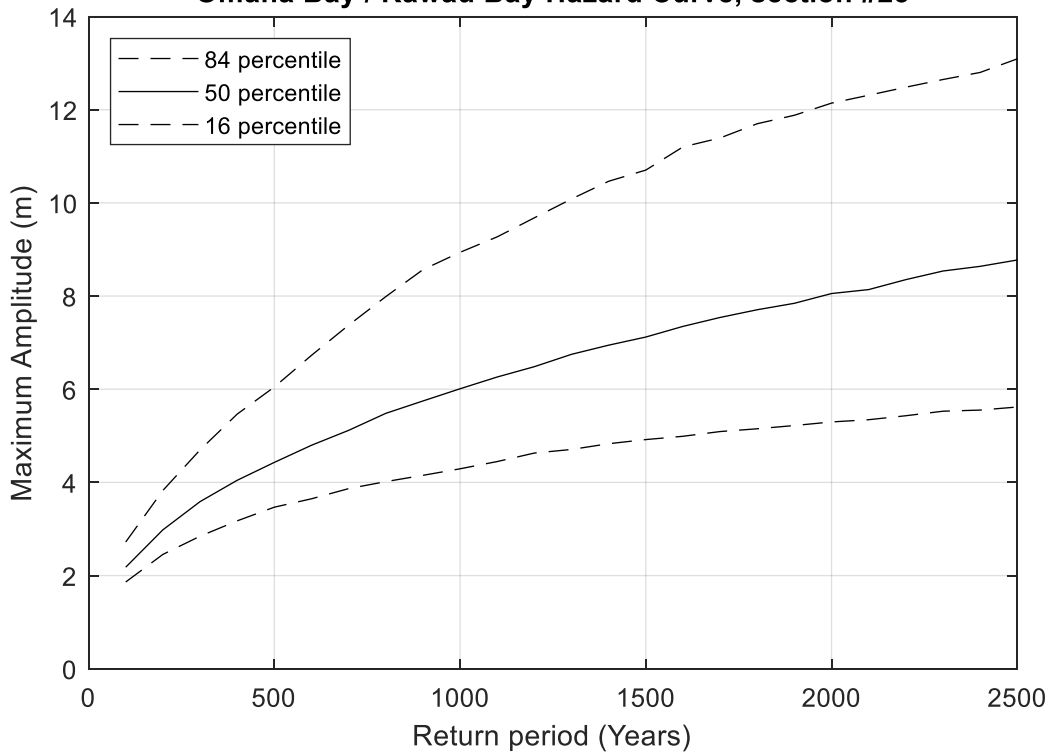


### A1.23 Coastal Section 23: Omaha Bay / Kawau Bay

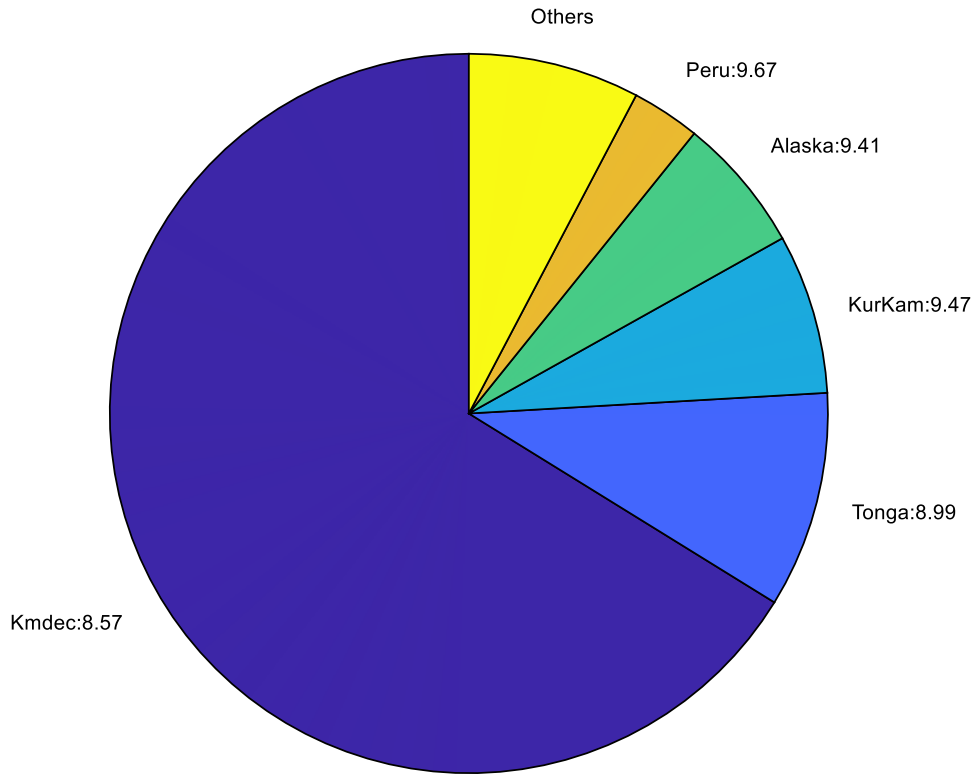
North East Auckland Coast, Omaha Bay / Kawau Bay



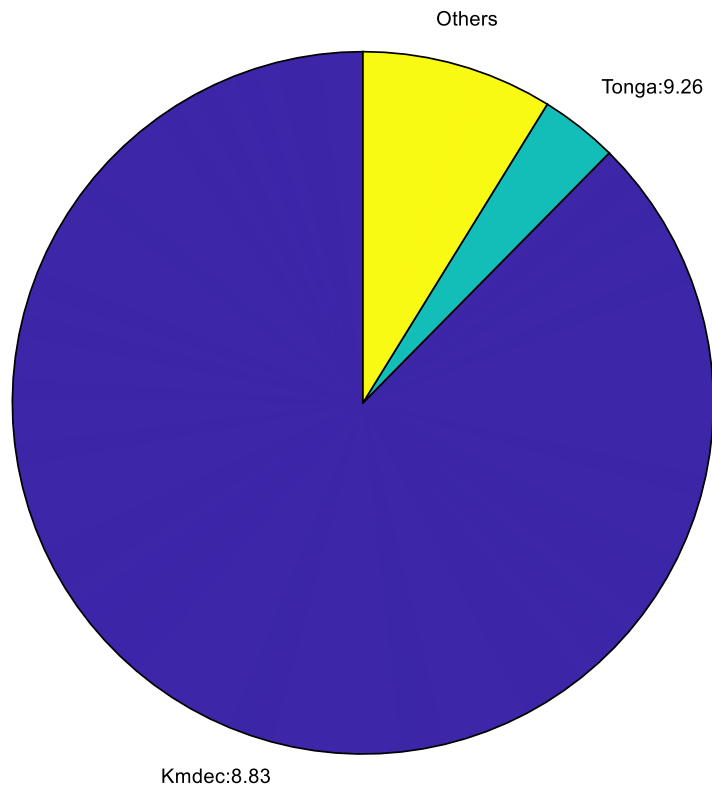
Omaha Bay / Kawau Bay Hazard Curve, section #23



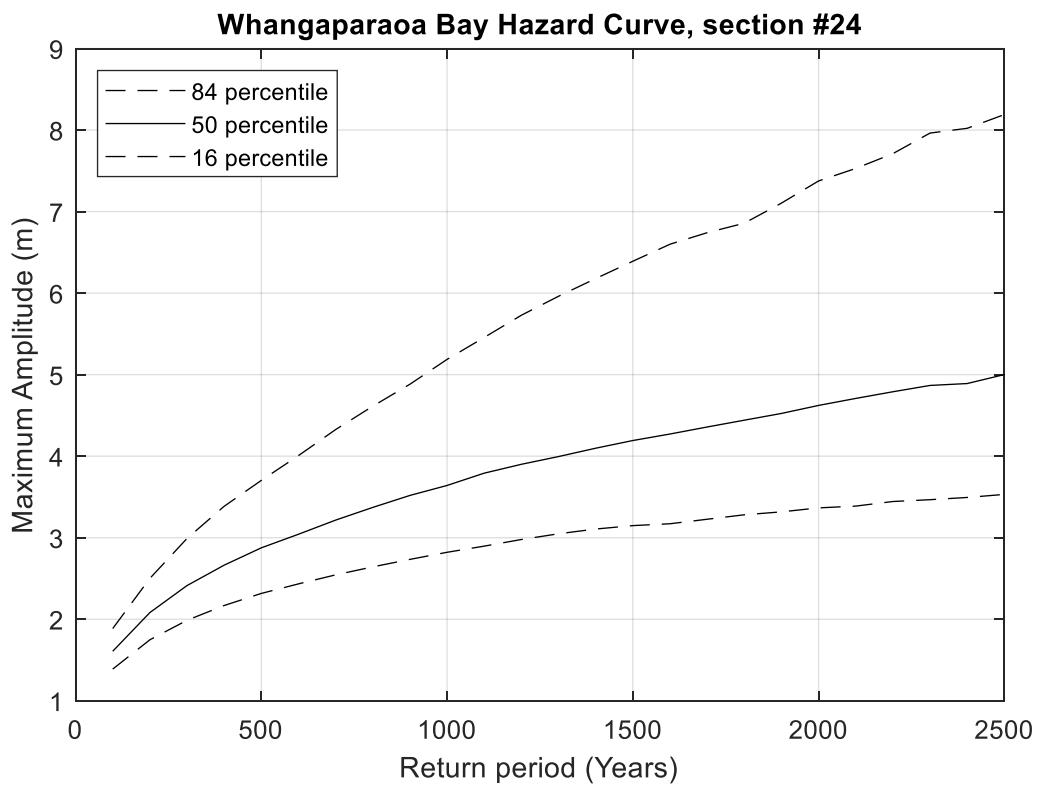
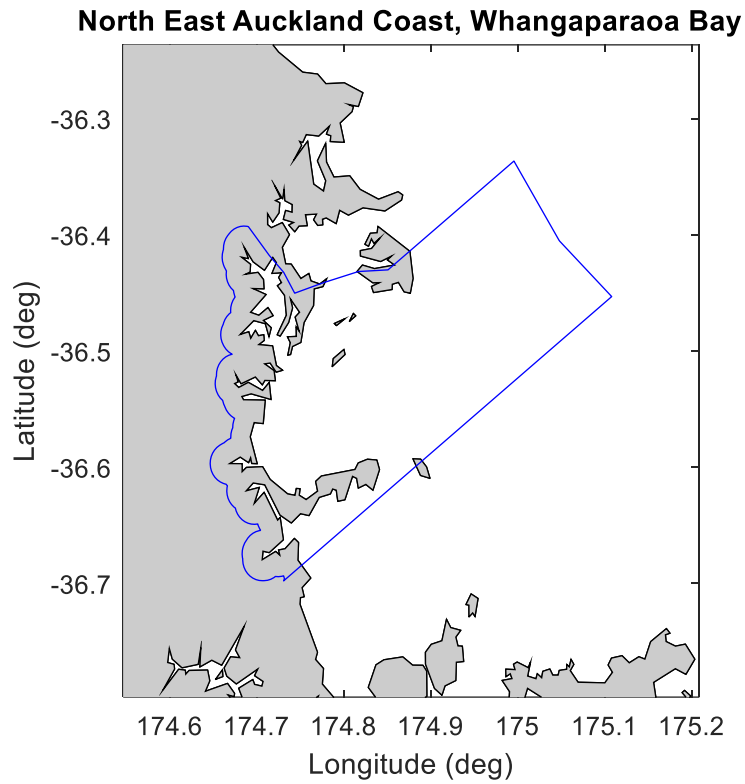
Deaggregation of Section:23, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.43 m



Deaggregation of Section:23, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.76 m

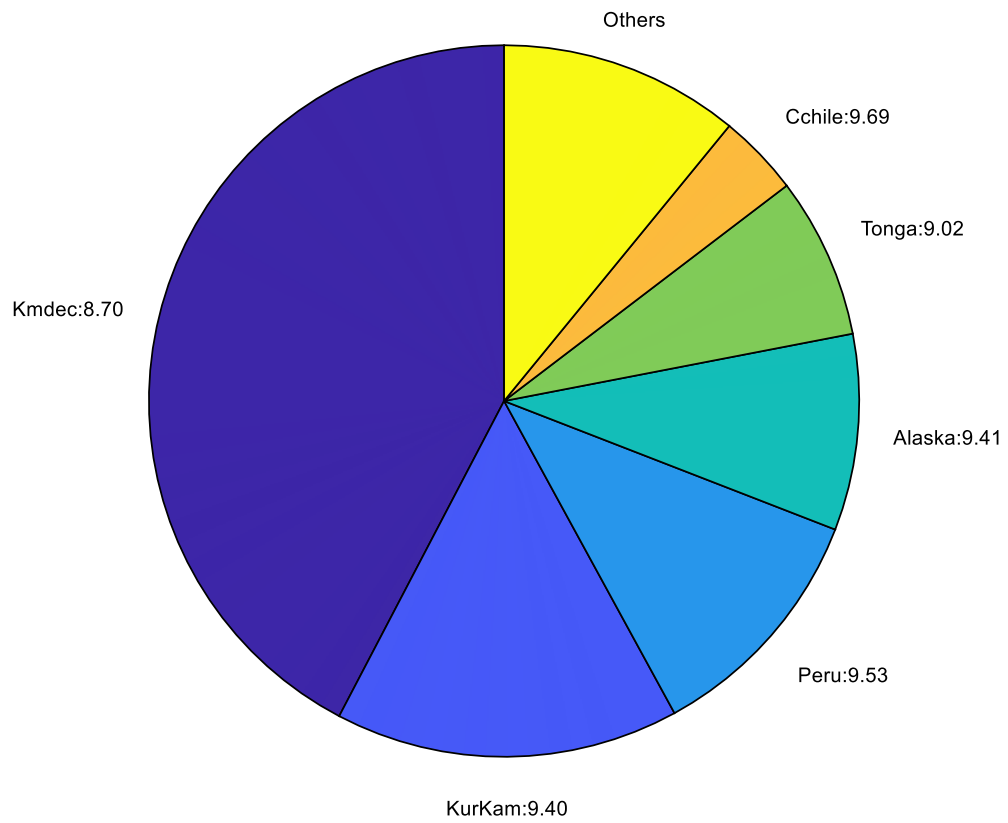


## A1.24 Coastal Section 24: Whangaparaoa Bay

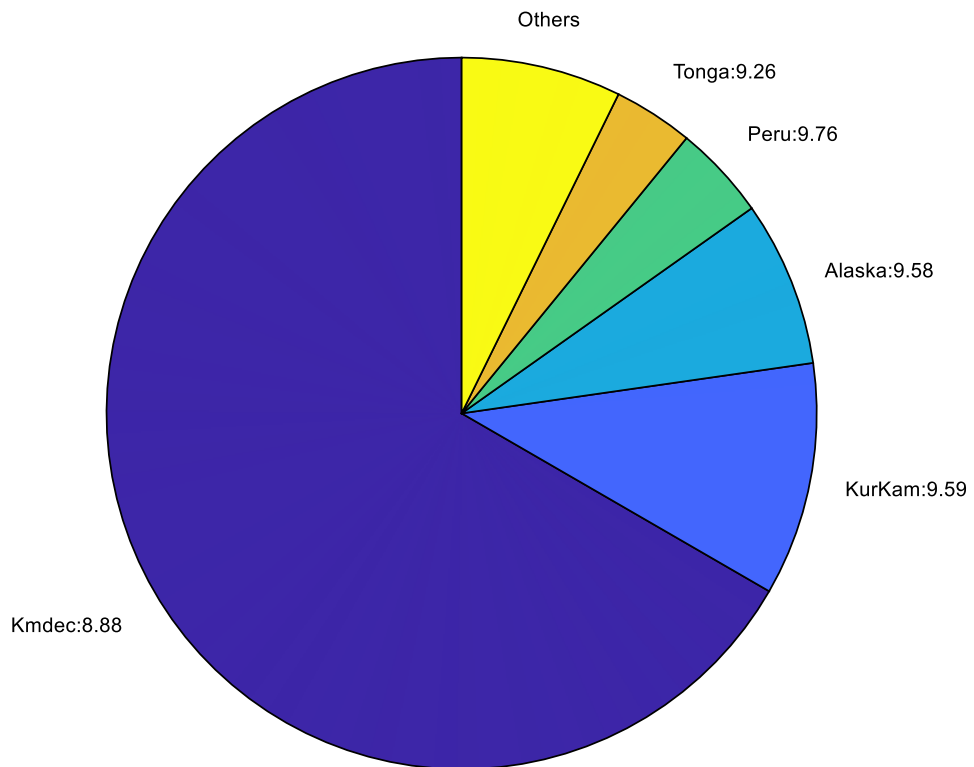




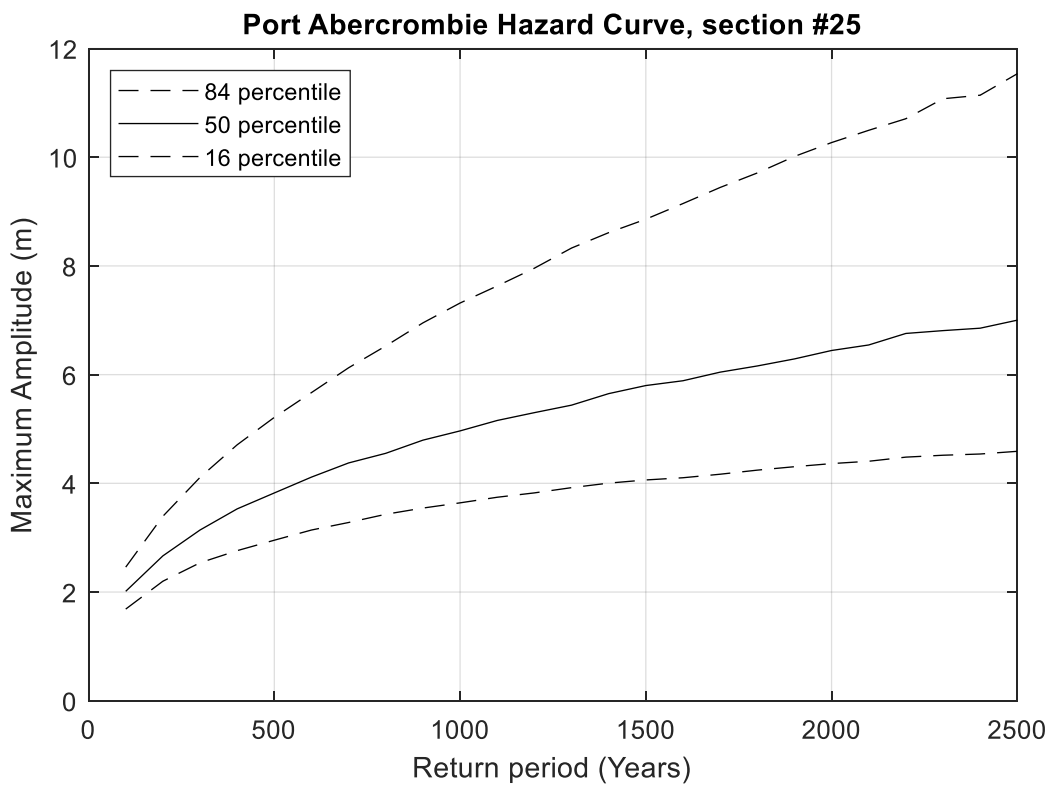
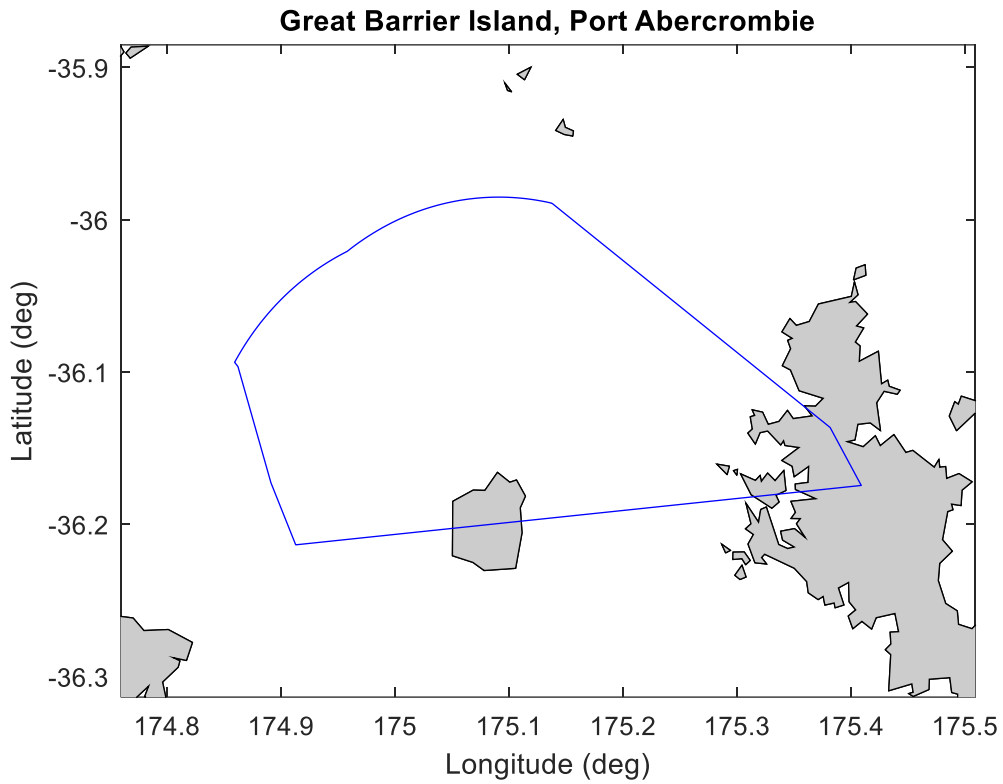
Deaggregation of Section:24, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.87 m



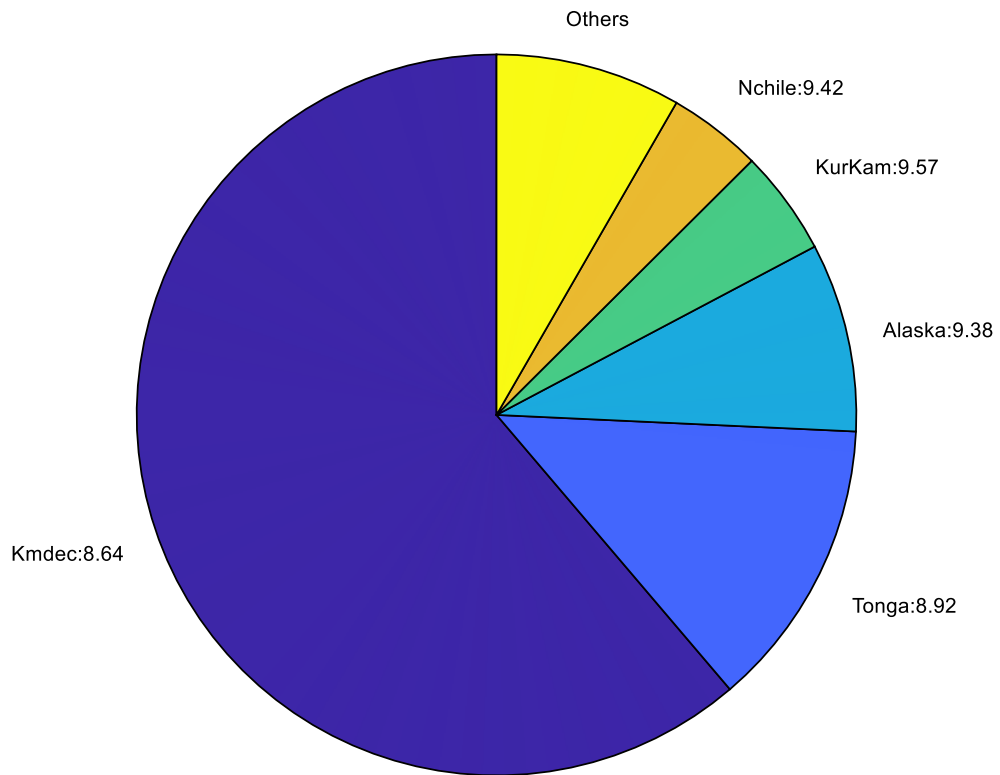
Deaggregation of Section:24, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.00 m



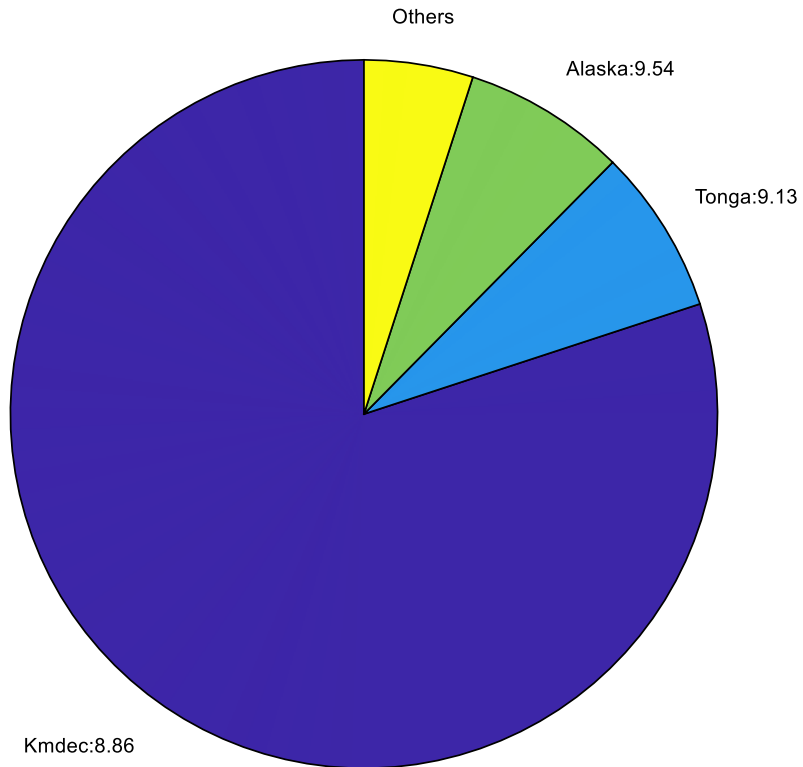
## A1.25 Coastal Section 25: Port Abercrombie



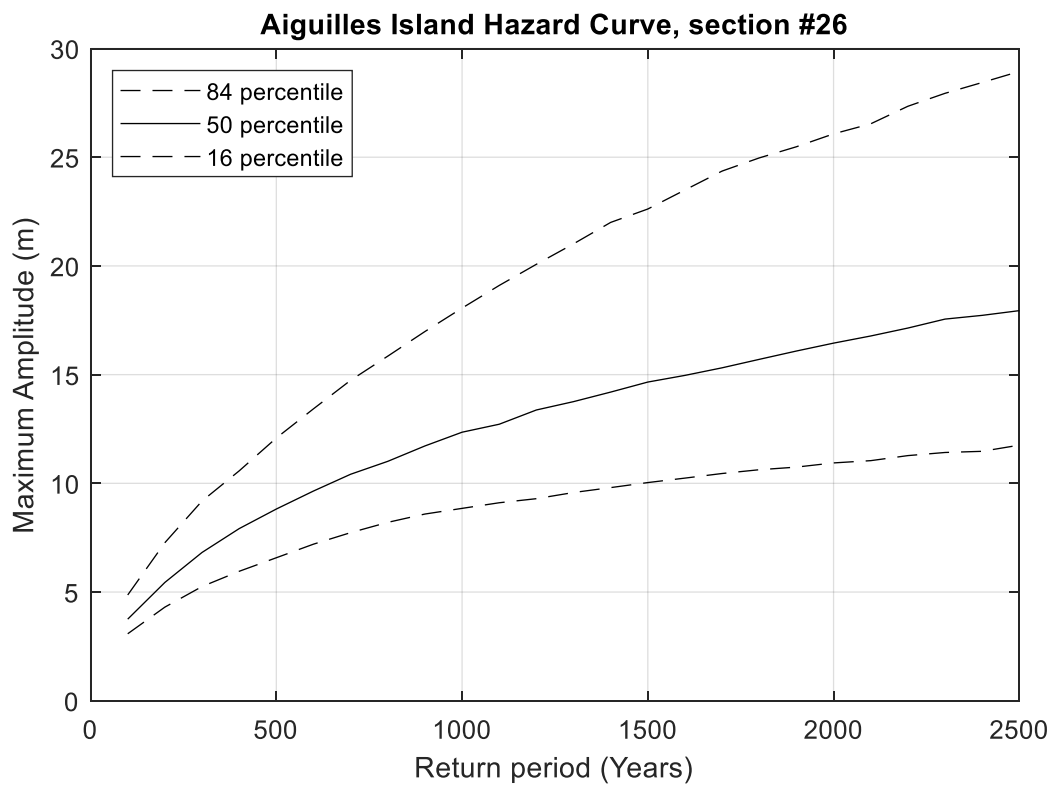
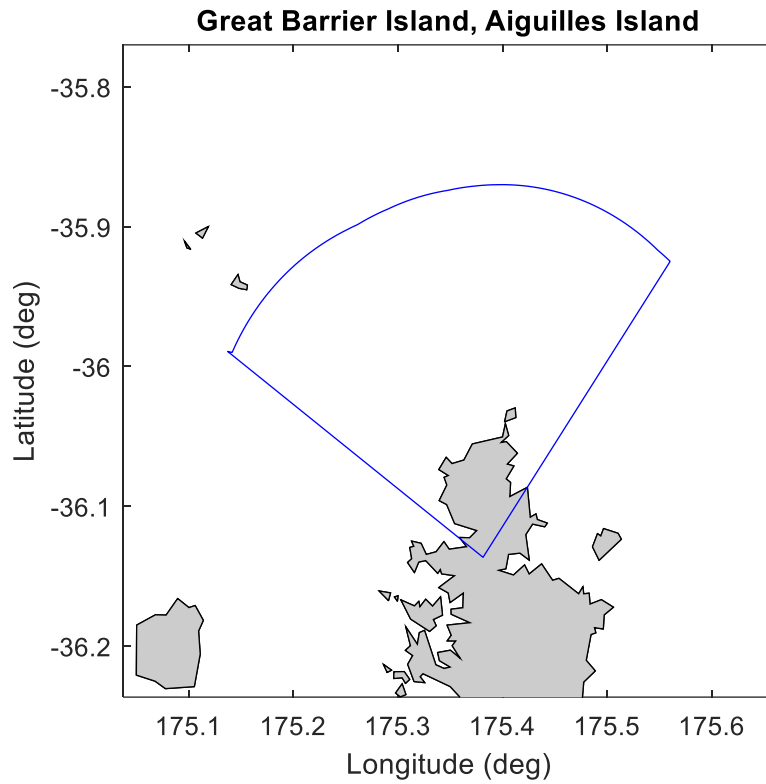
Deaggregation of Section:25, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.82 m



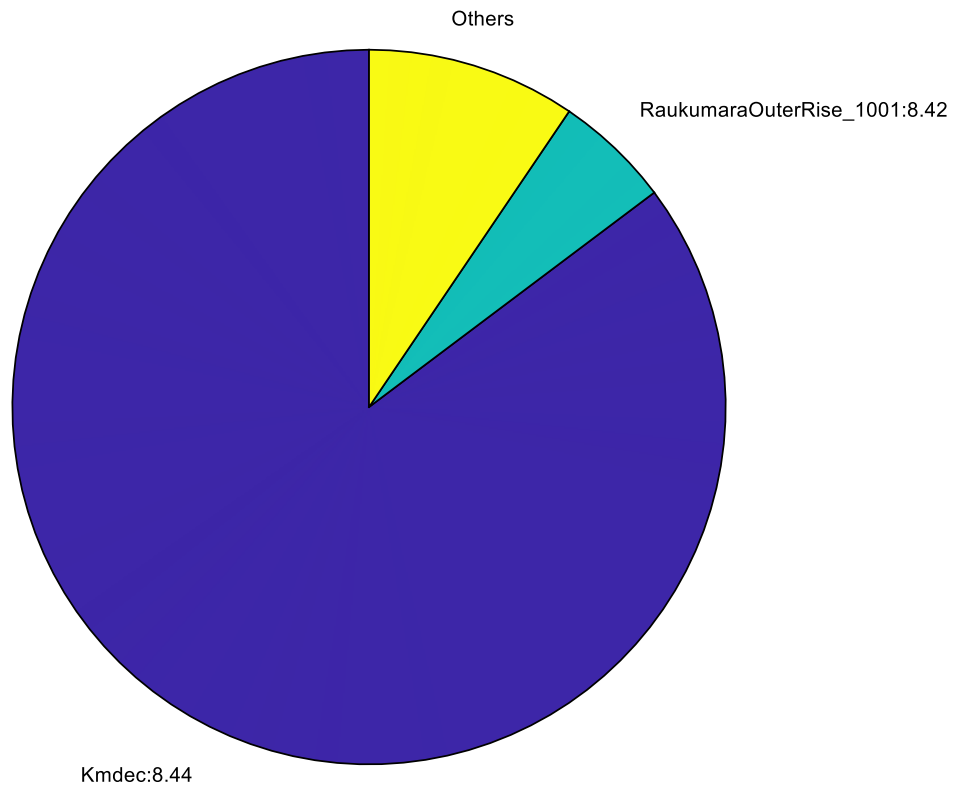
Deaggregation of Section:25, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.99 m



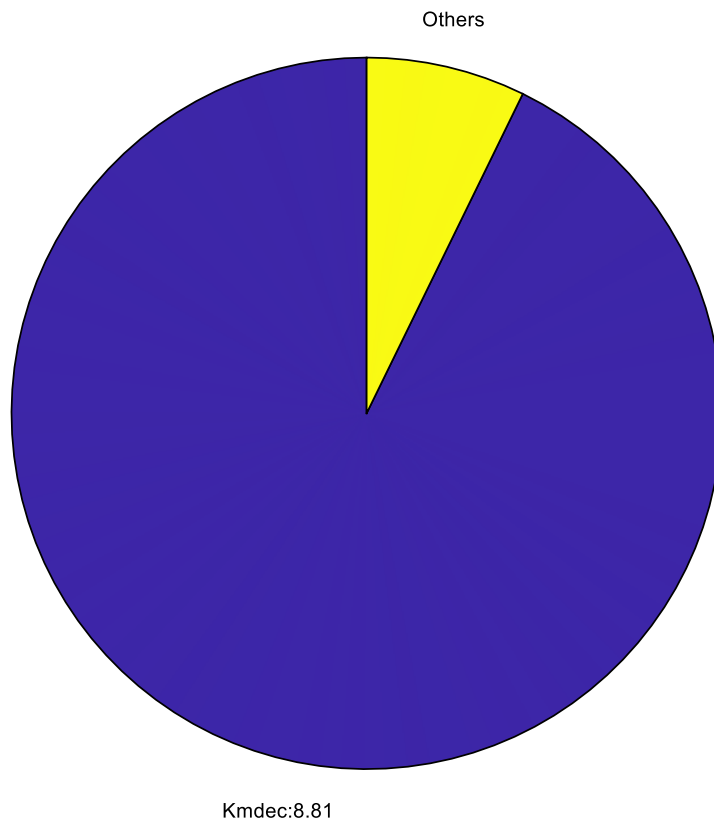
## A1.26 Coastal Section 26: Aiguilles Island



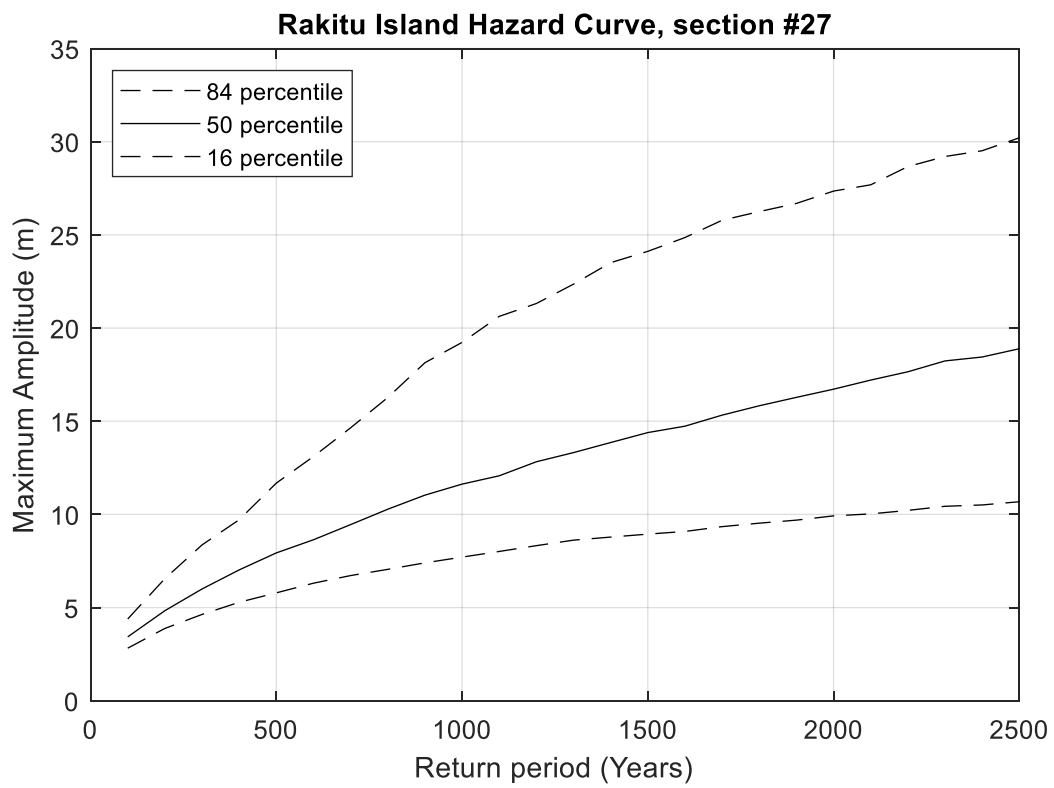
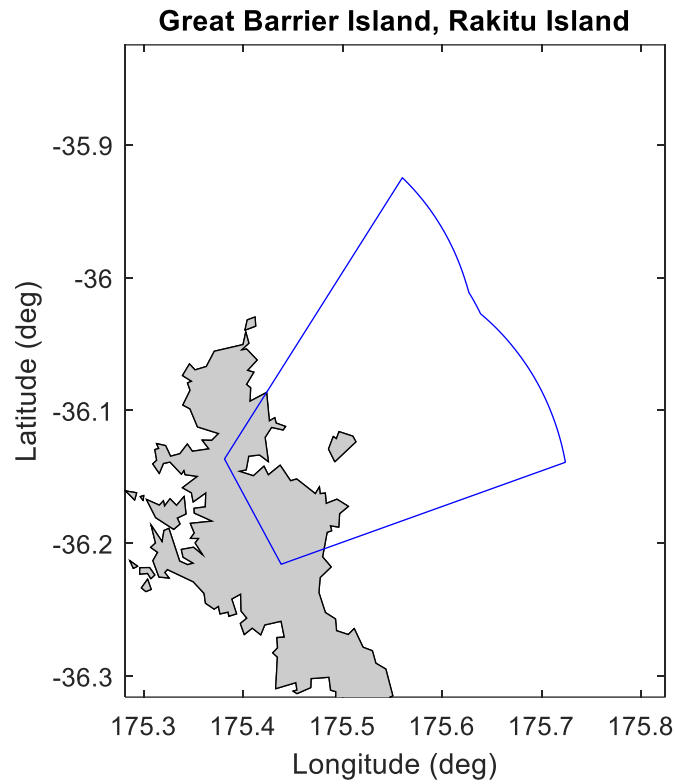
Deaggregation of Section:26, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.81 m



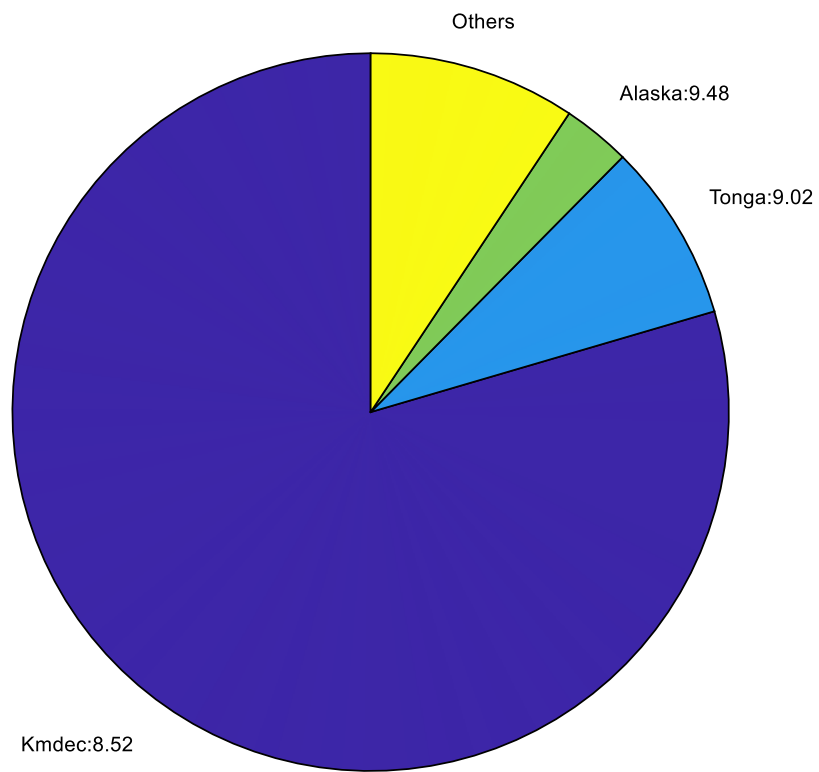
Deaggregation of Section:26, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:17.94 m



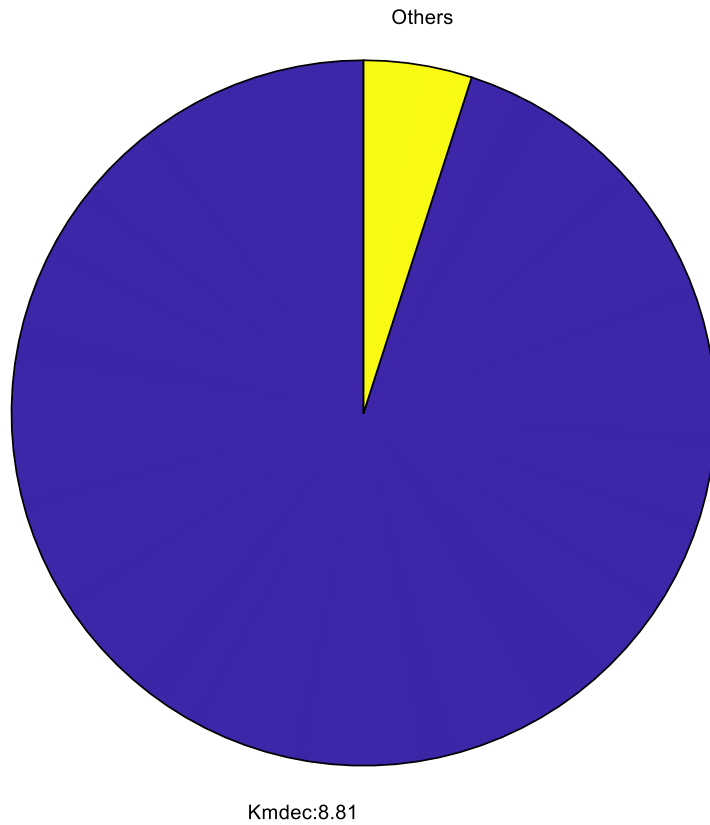
## A1.27 Coastal Section 27: Rakitu Island



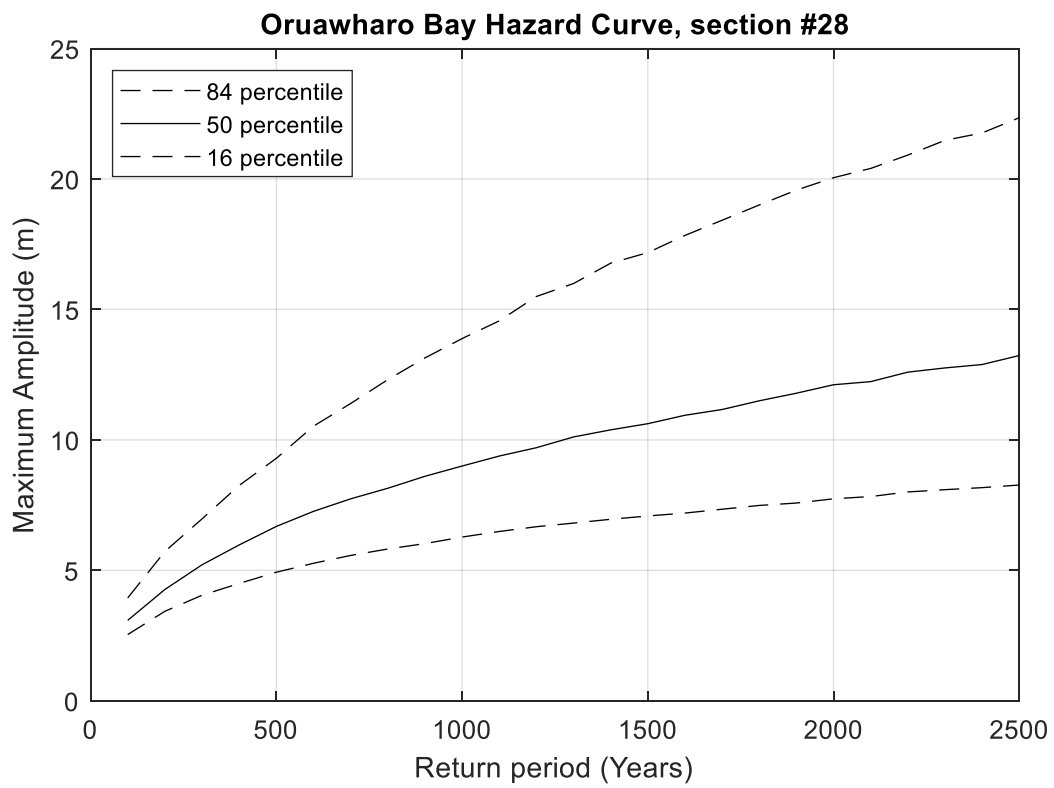
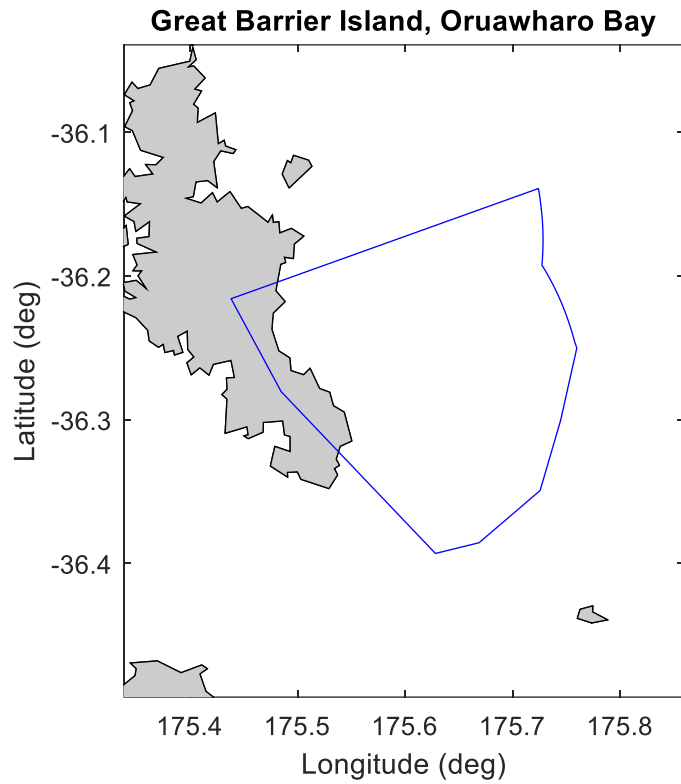
Deaggregation of Section:27, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.93 m



Deaggregation of Section:27, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:18.85 m

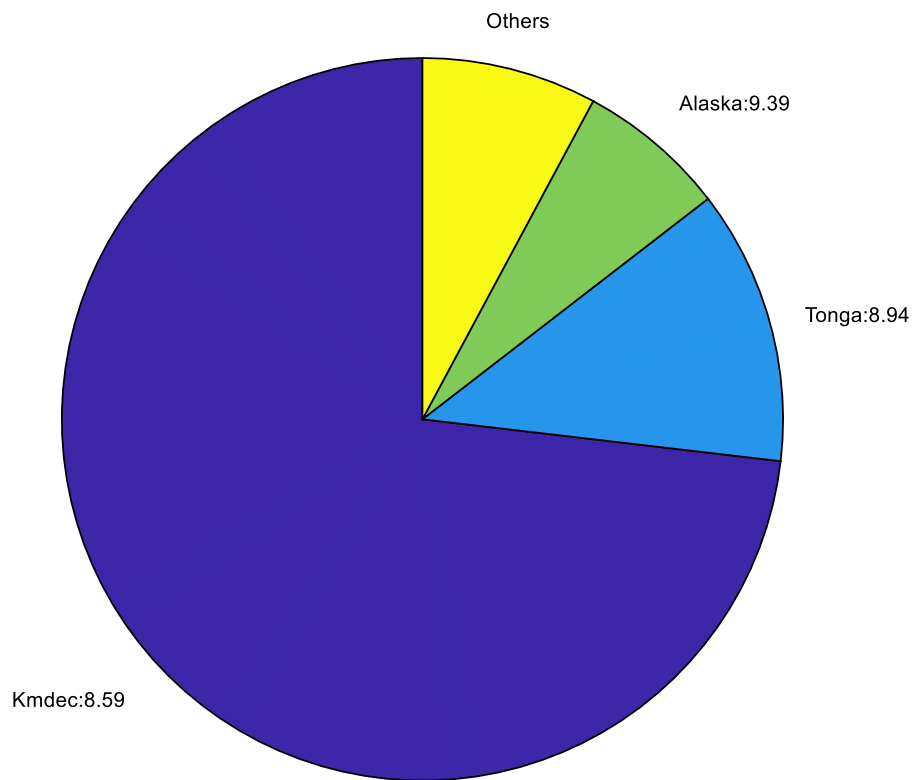


## A1.28 Coastal Section 28: Oruawharo Bay

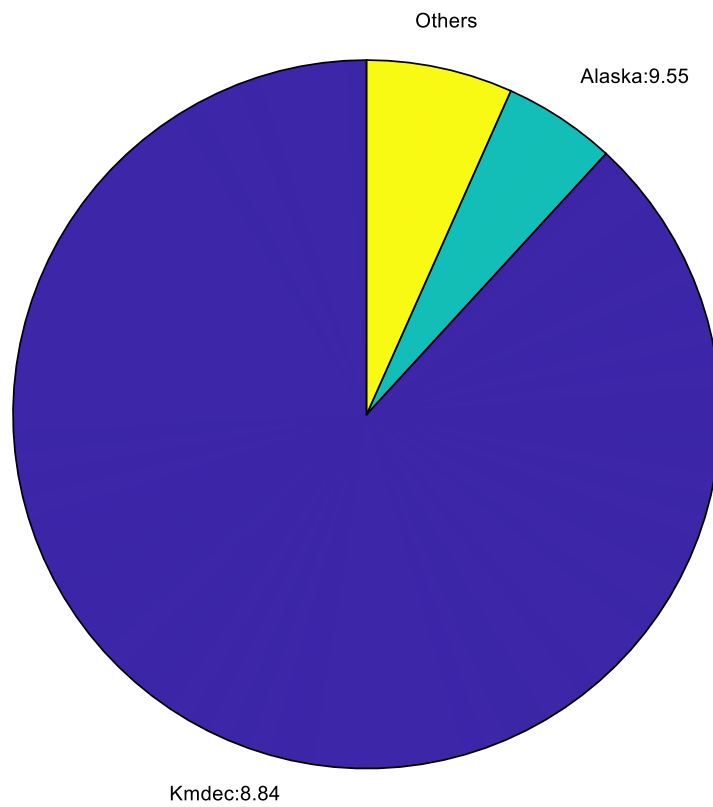




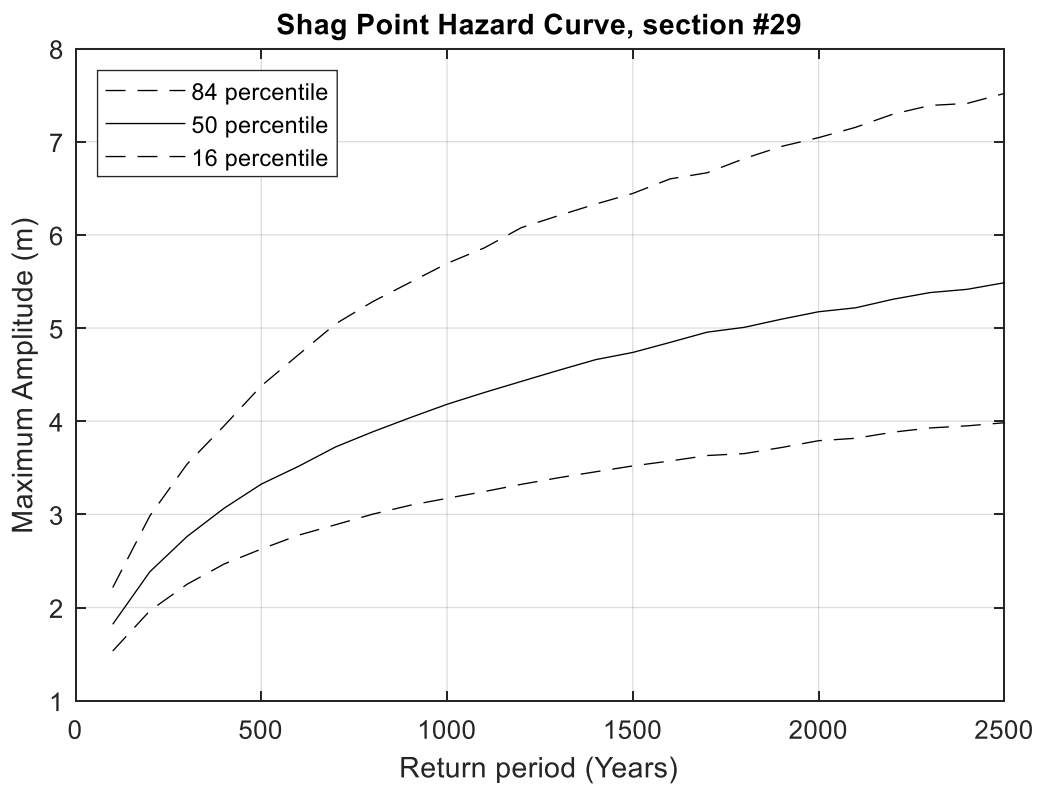
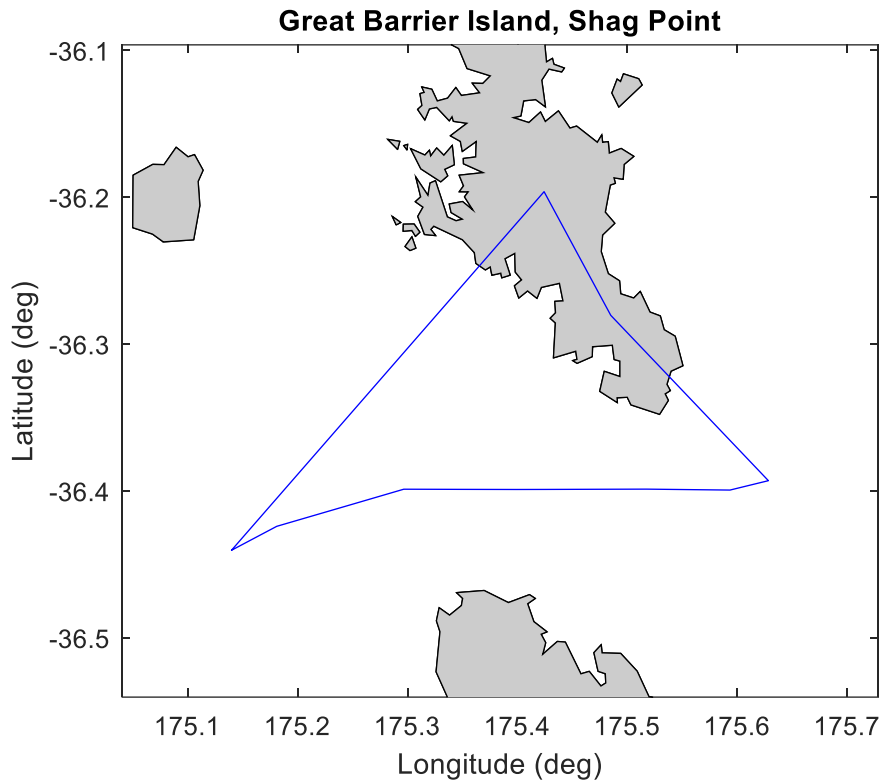
Deaggregation of Section:28, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.68 m



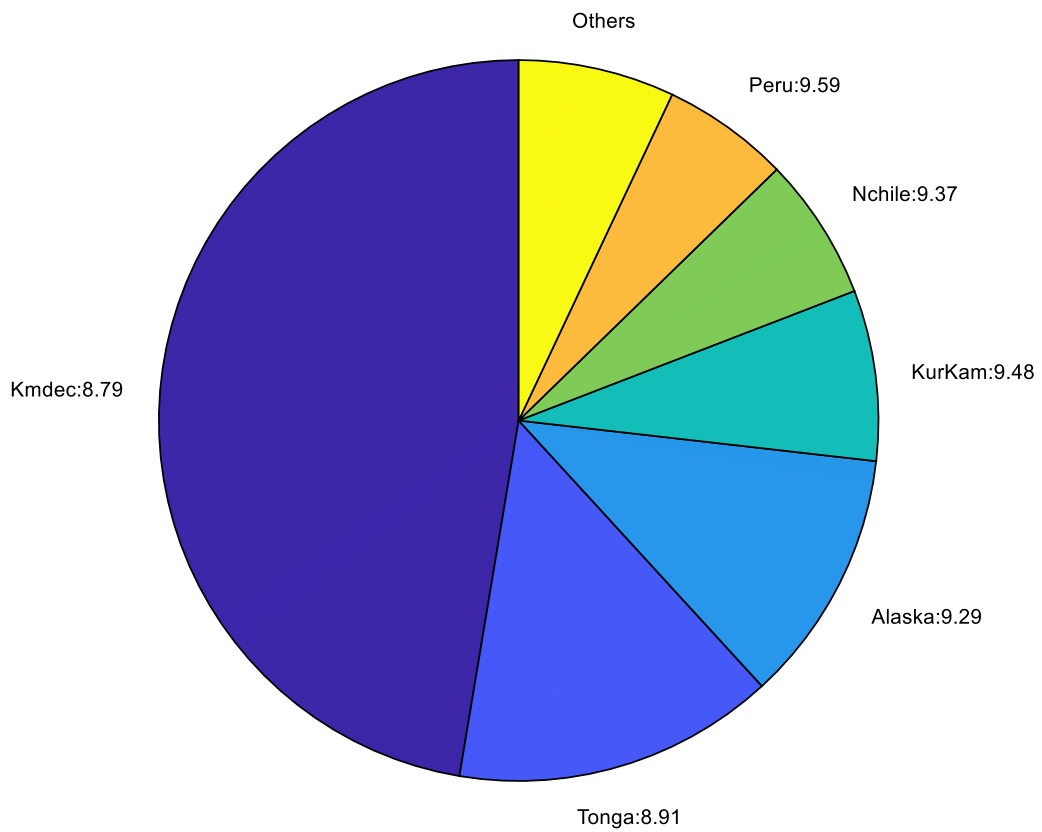
Deaggregation of Section:28, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:13.20 m



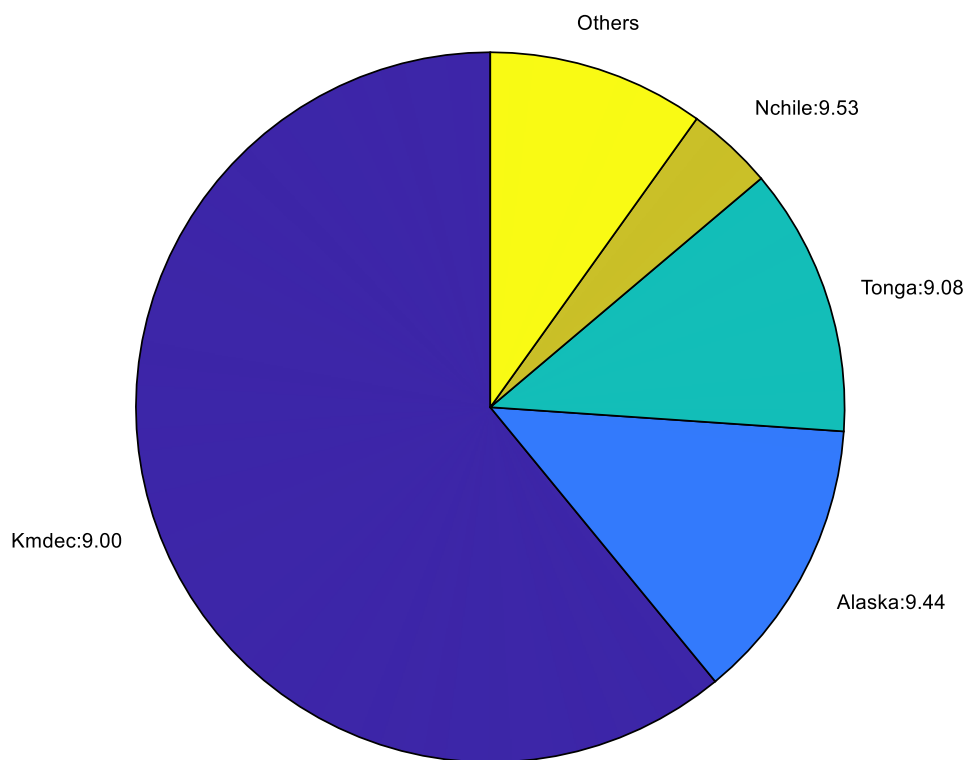
## A1.29 Coastal Section 29: Shag Point



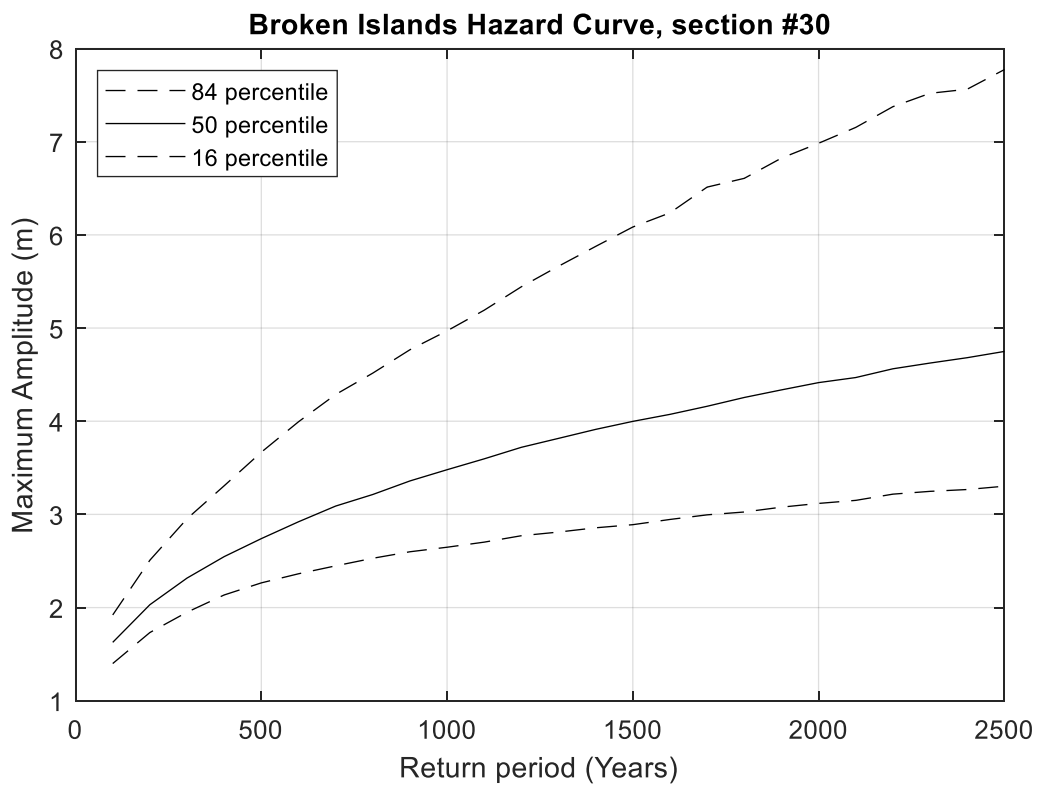
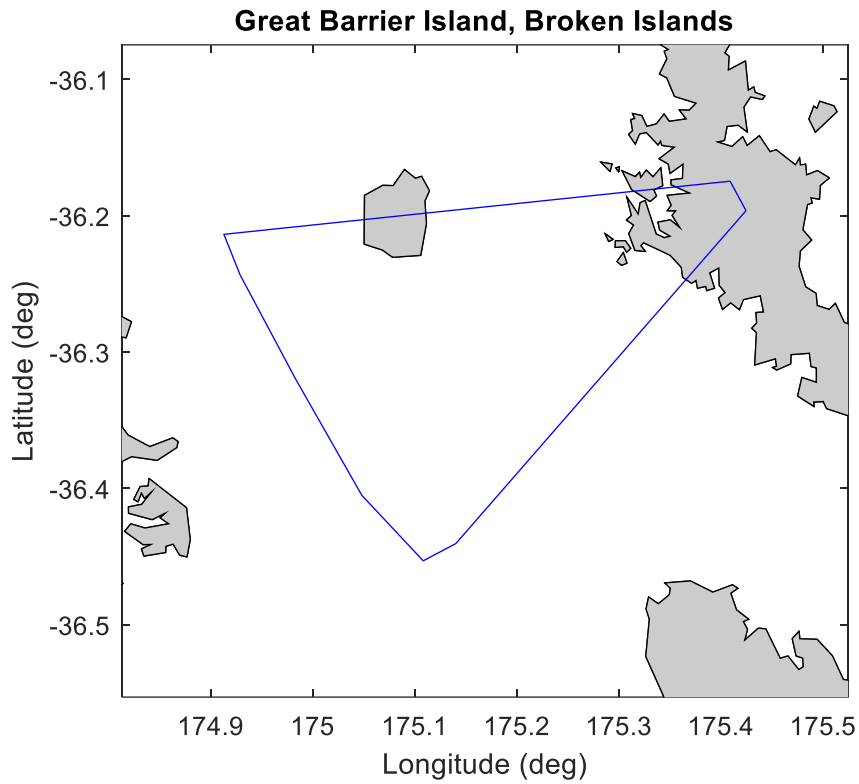
Deaggregation of Section:29, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.32 m



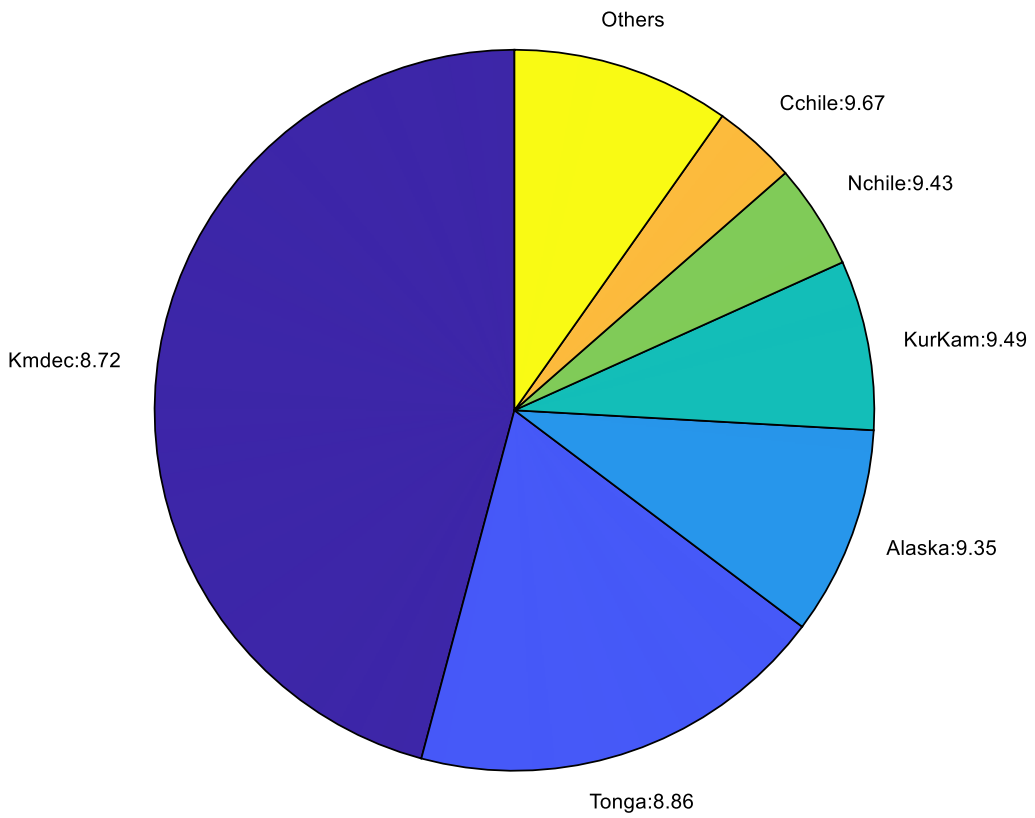
Deaggregation of Section:29, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.49 m



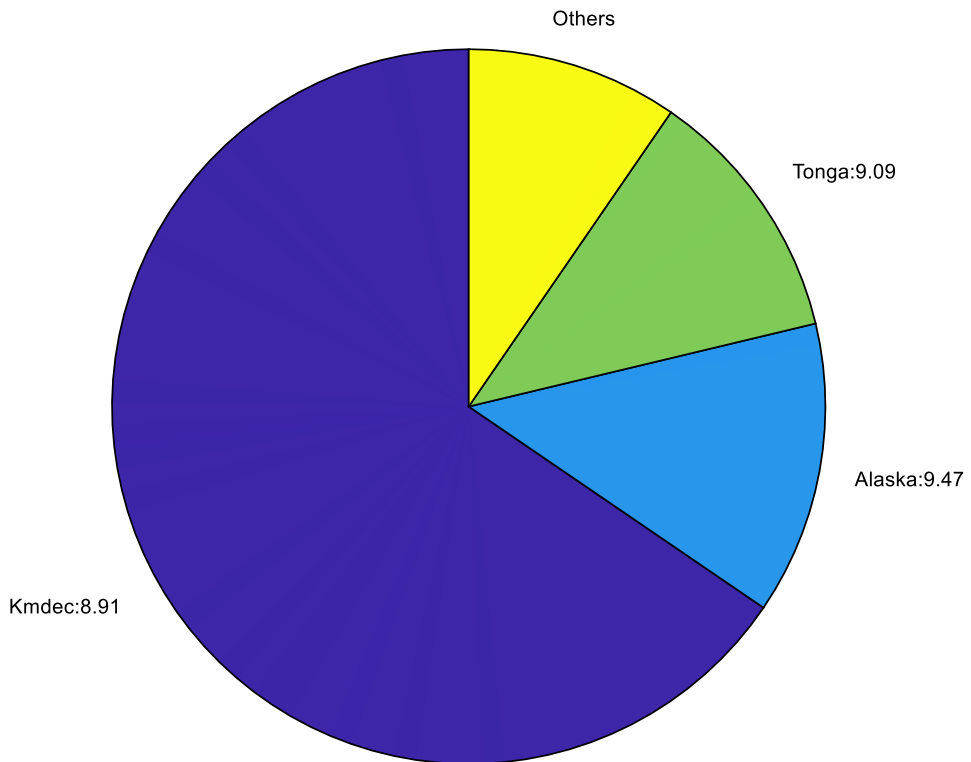
### A1.30 Coastal Section 30: Broken Islands



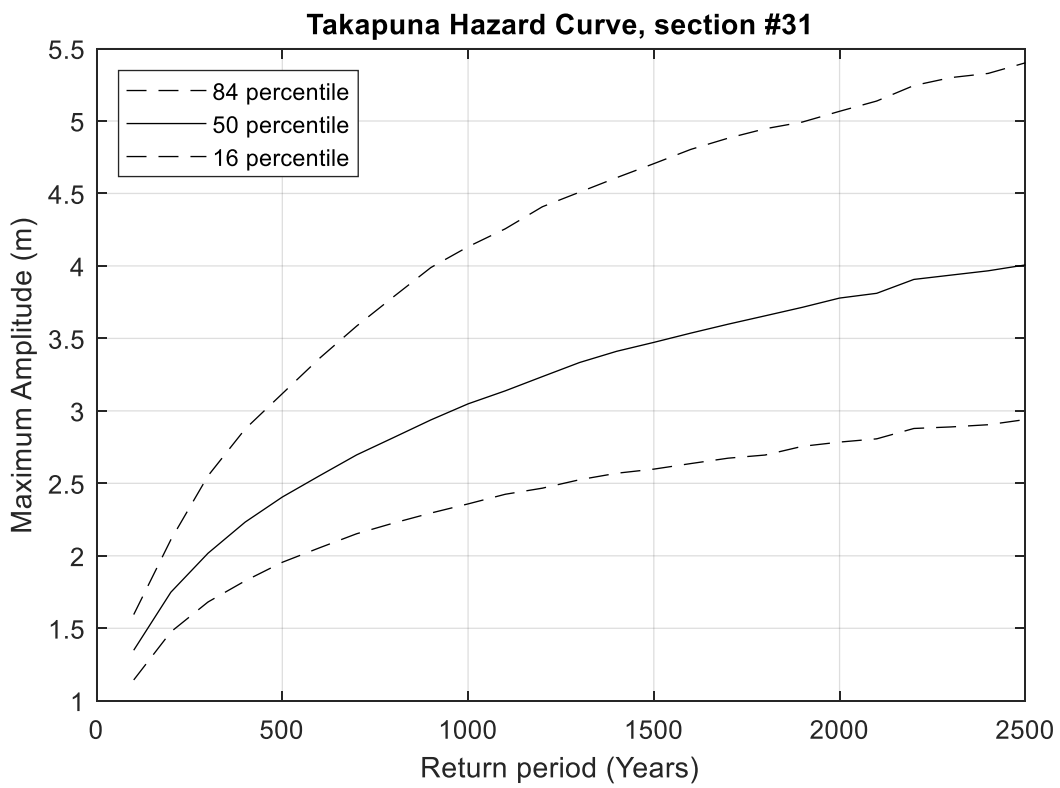
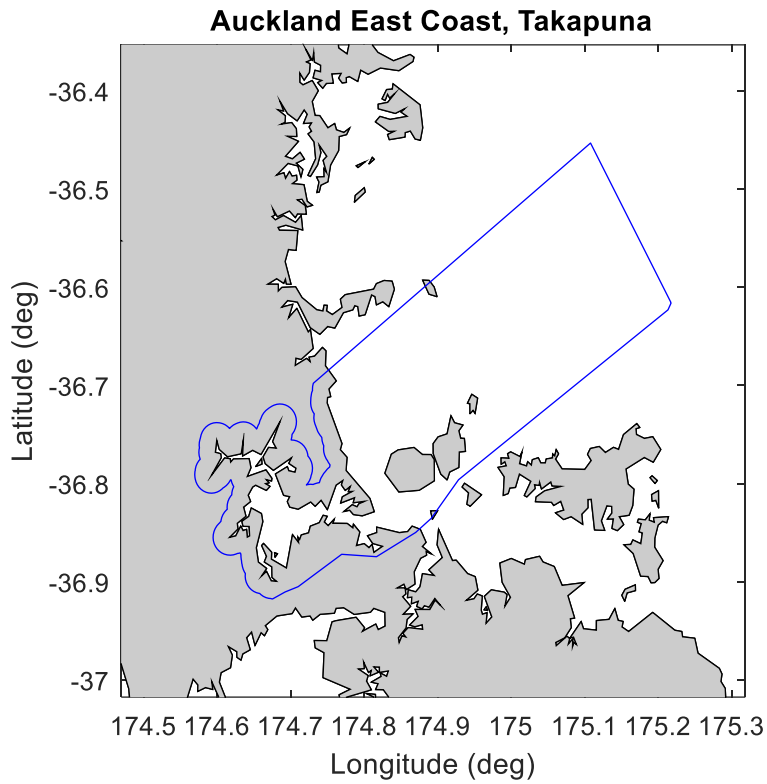
Deaggregation of Section:30, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.74 m



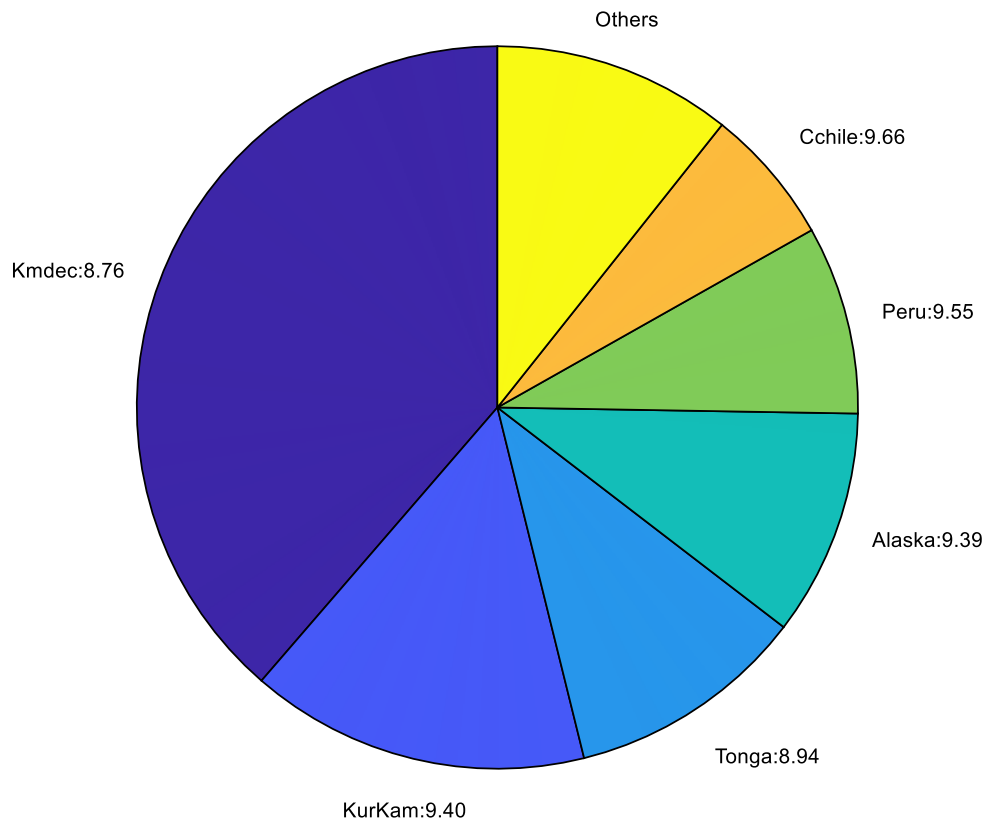
Deaggregation of Section:30, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.75 m



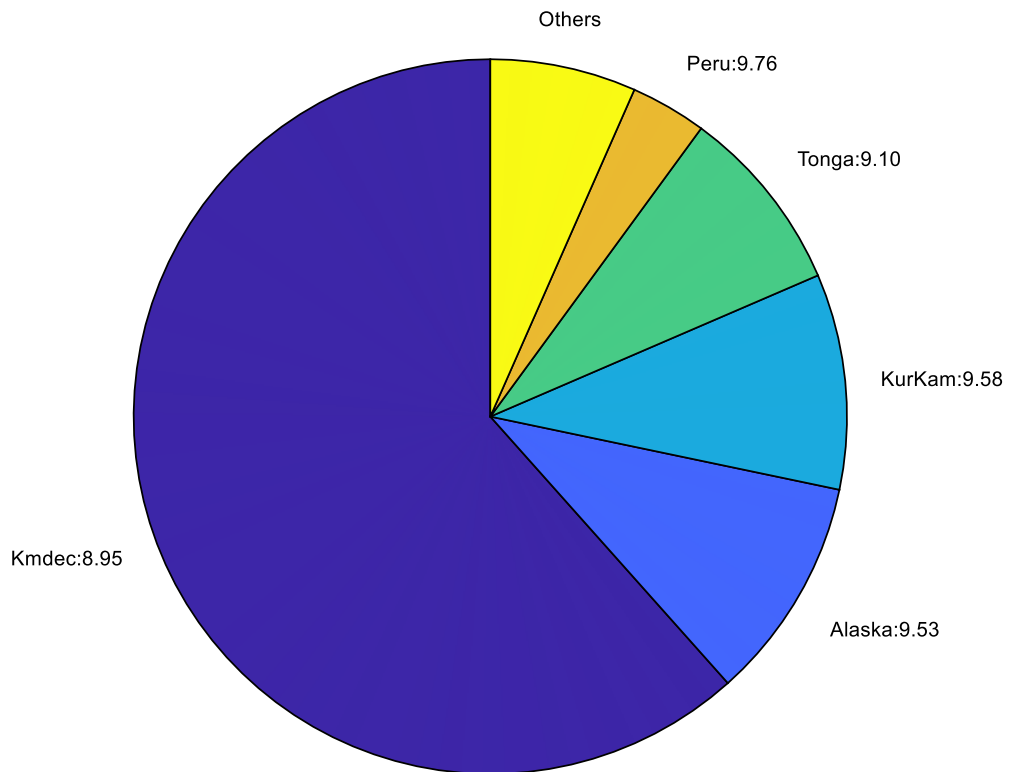
### A1.31 Coastal Section 31: Takapuna



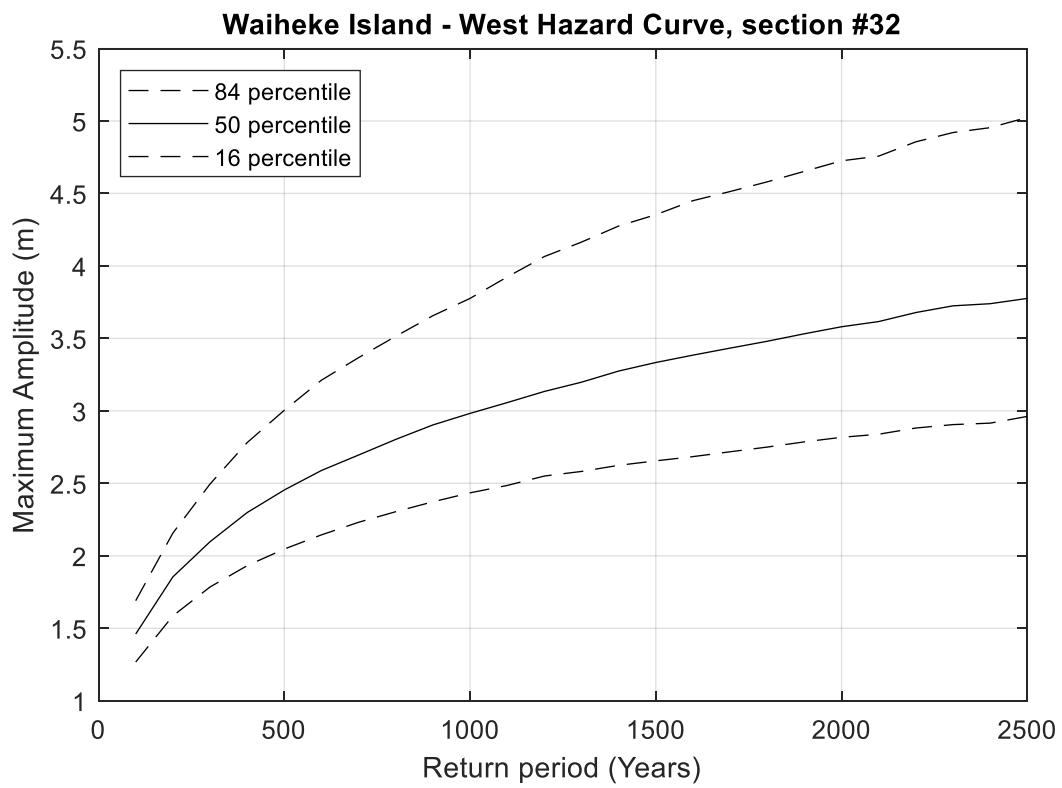
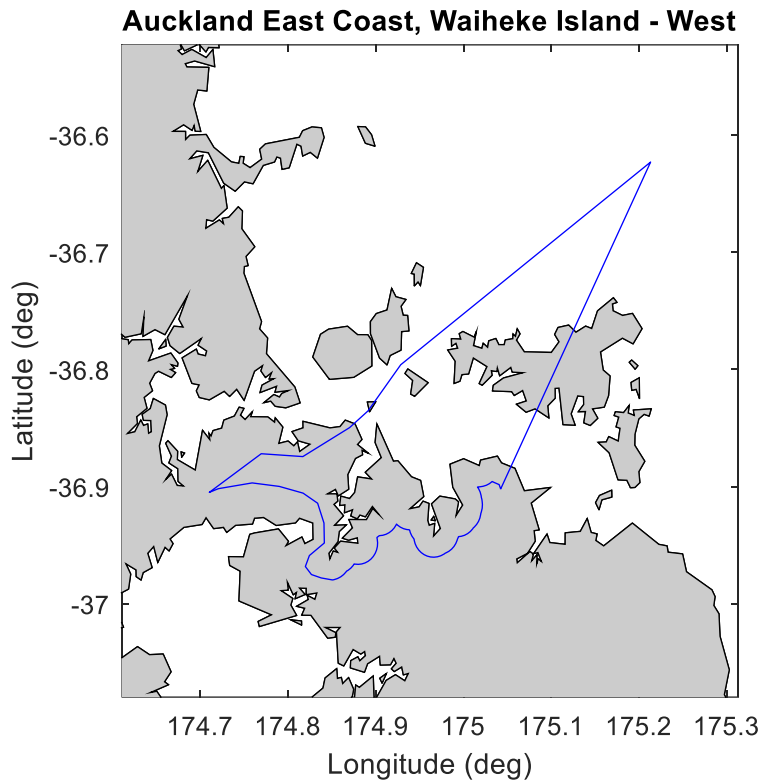
Deaggregation of Section:31, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.40 m



Deaggregation of Section:31, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.01 m

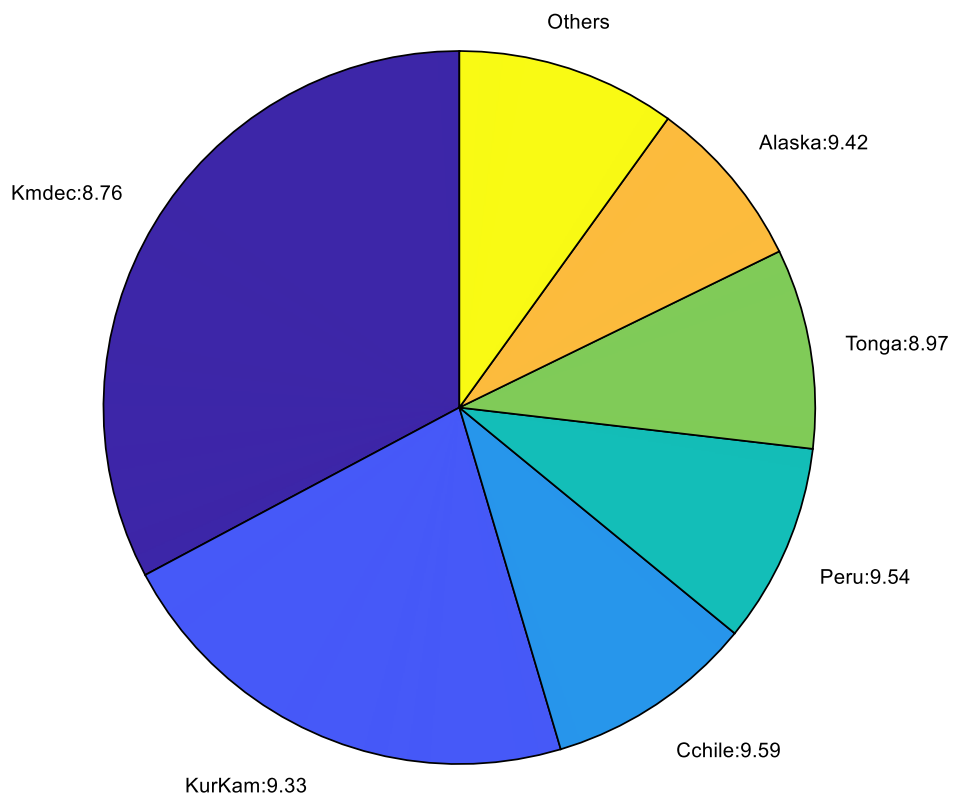


### A1.32 Coastal Section 32: Waiheke Island – West

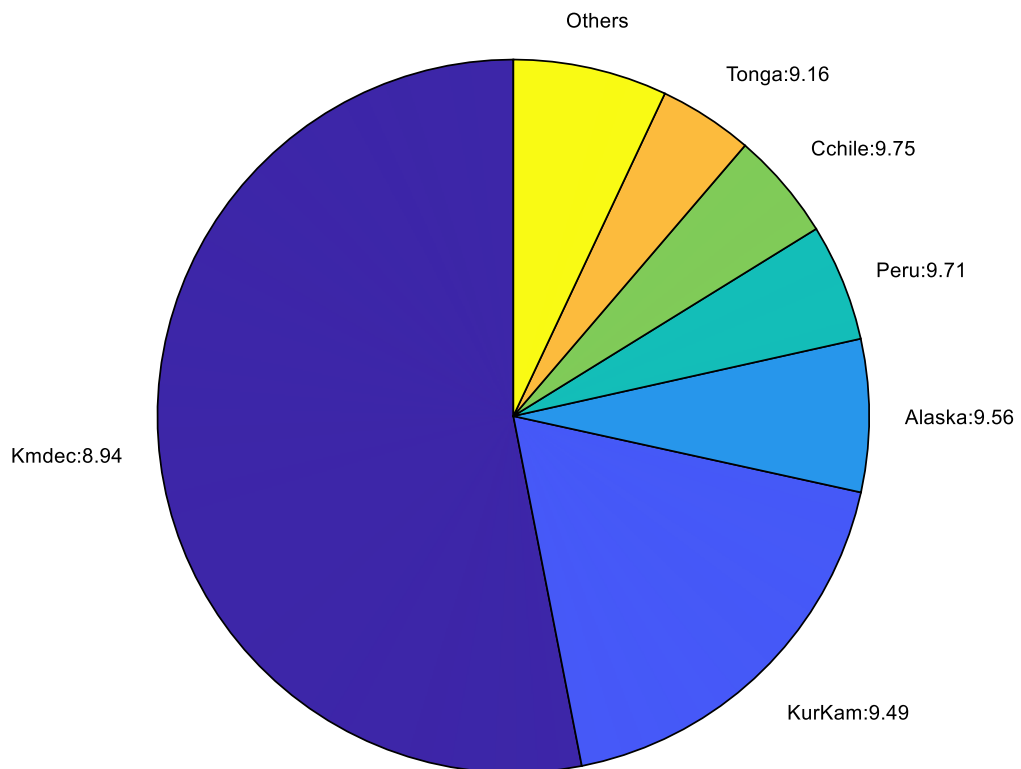




Deaggregation of Section:32, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.45 m

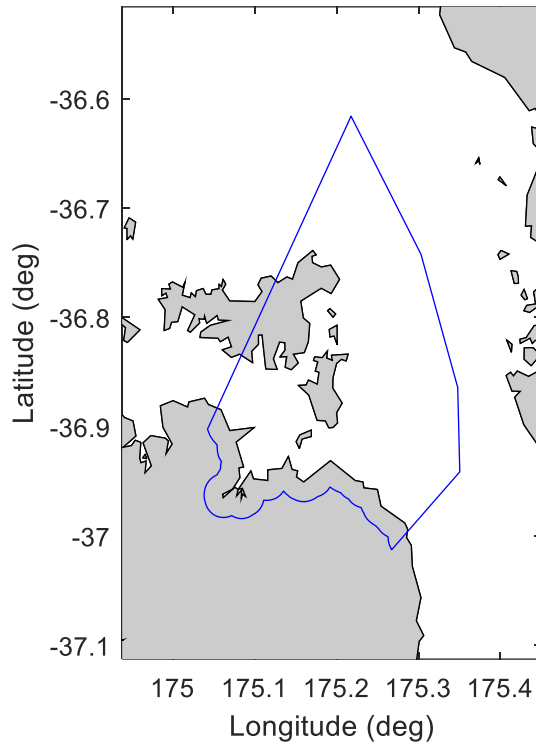


Deaggregation of Section:32, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.78 m

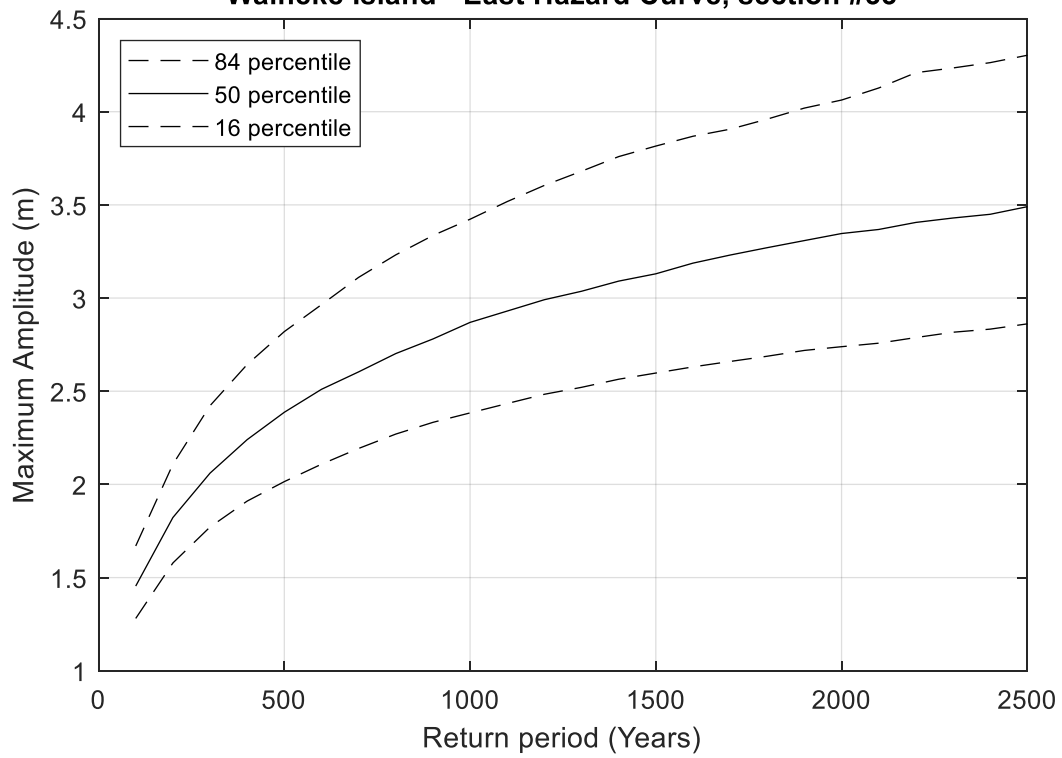


### A1.33 Coastal Section 33: Waiheke Island – East

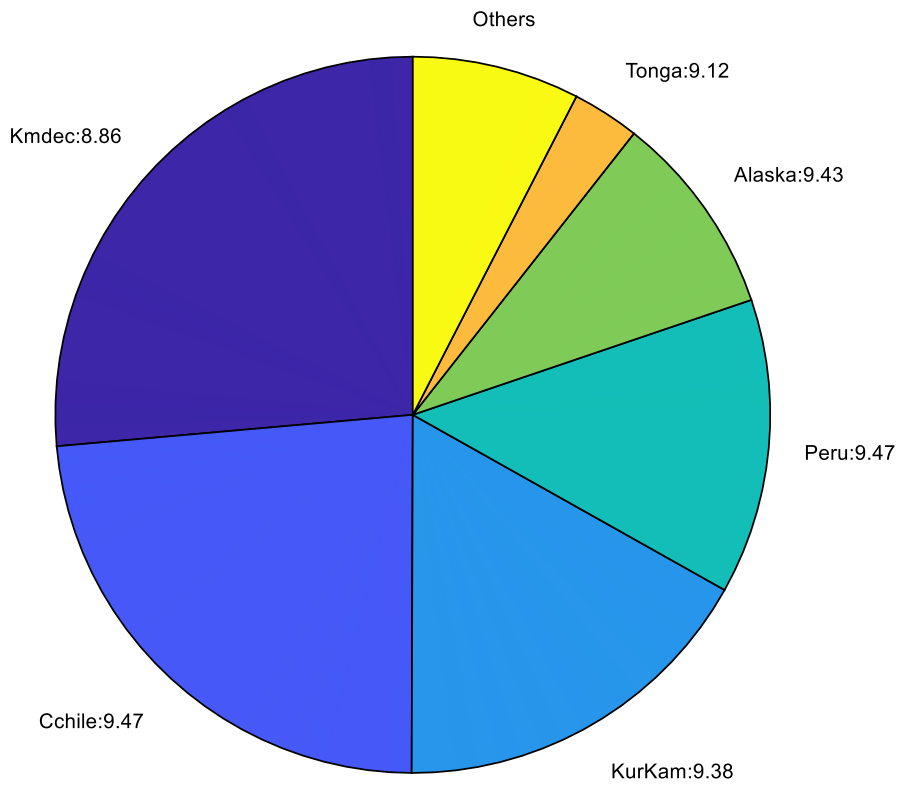
Auckland East Coast, Waiheke Island - East



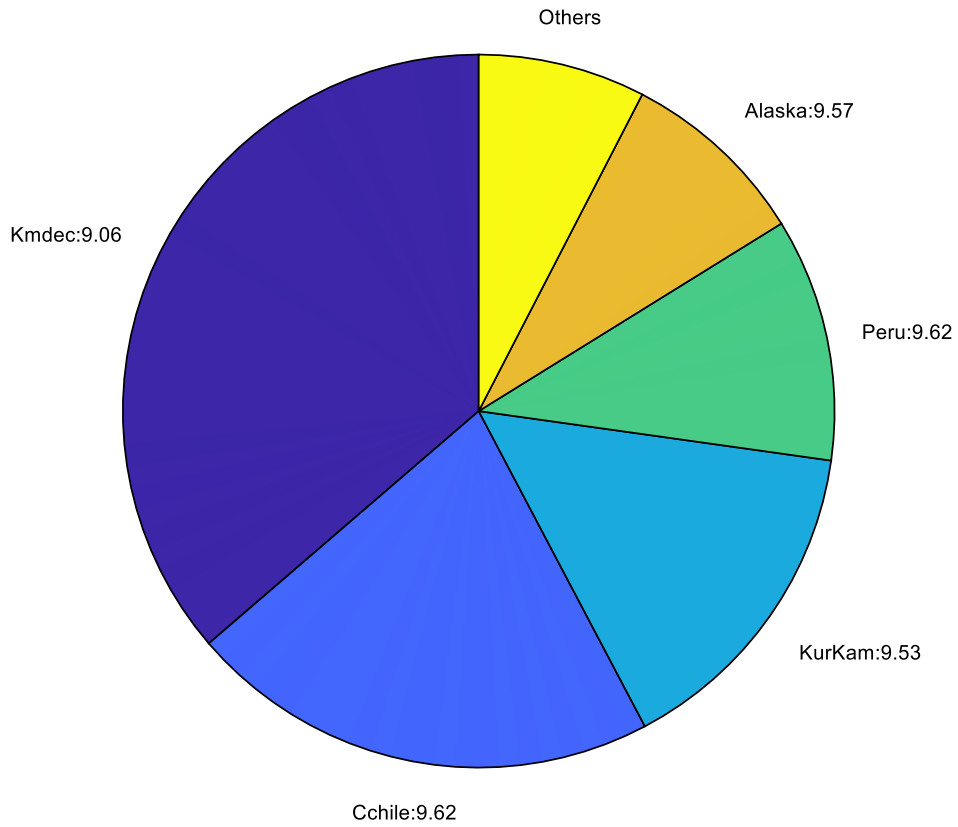
Waiheke Island - East Hazard Curve, section #33



Deaggregation of Section:33, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.39 m

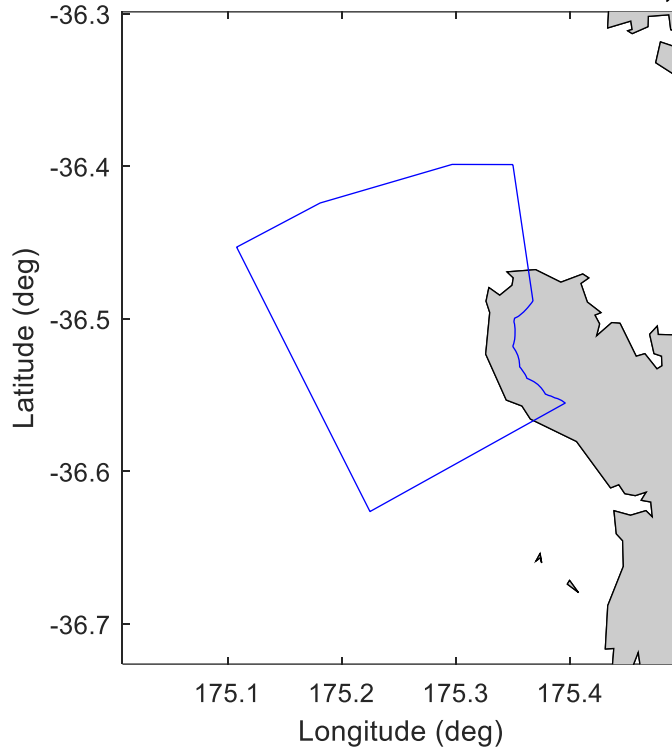


Deaggregation of Section:33, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.49 m

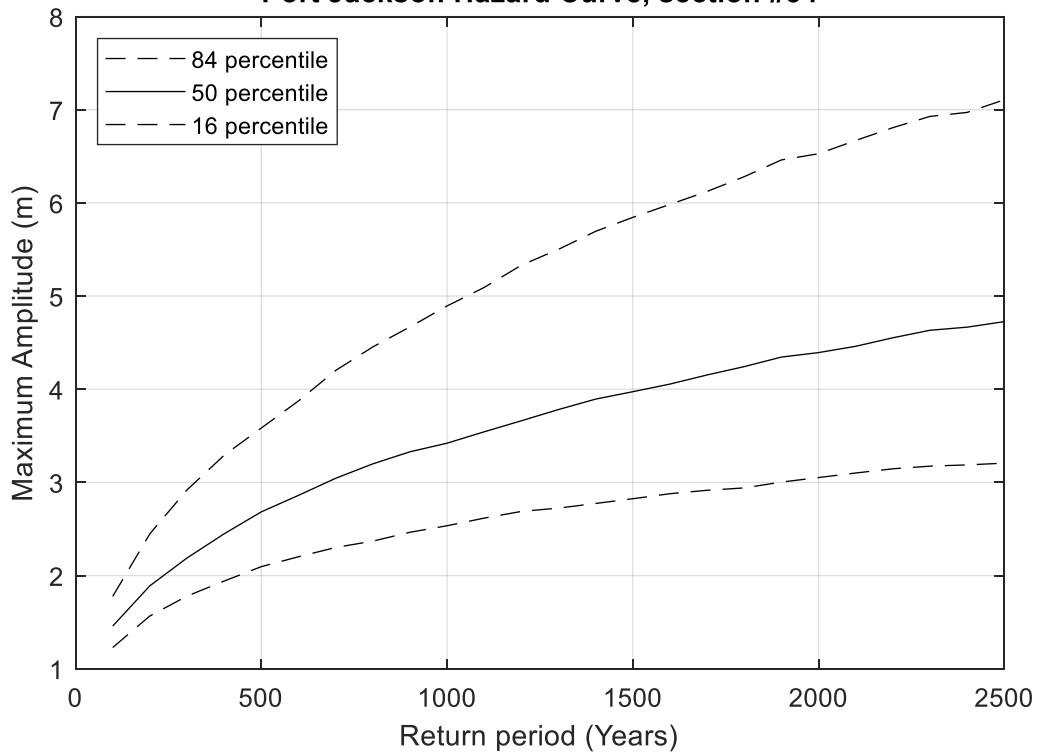


### A1.34 Coastal Section 34: Port Jackson

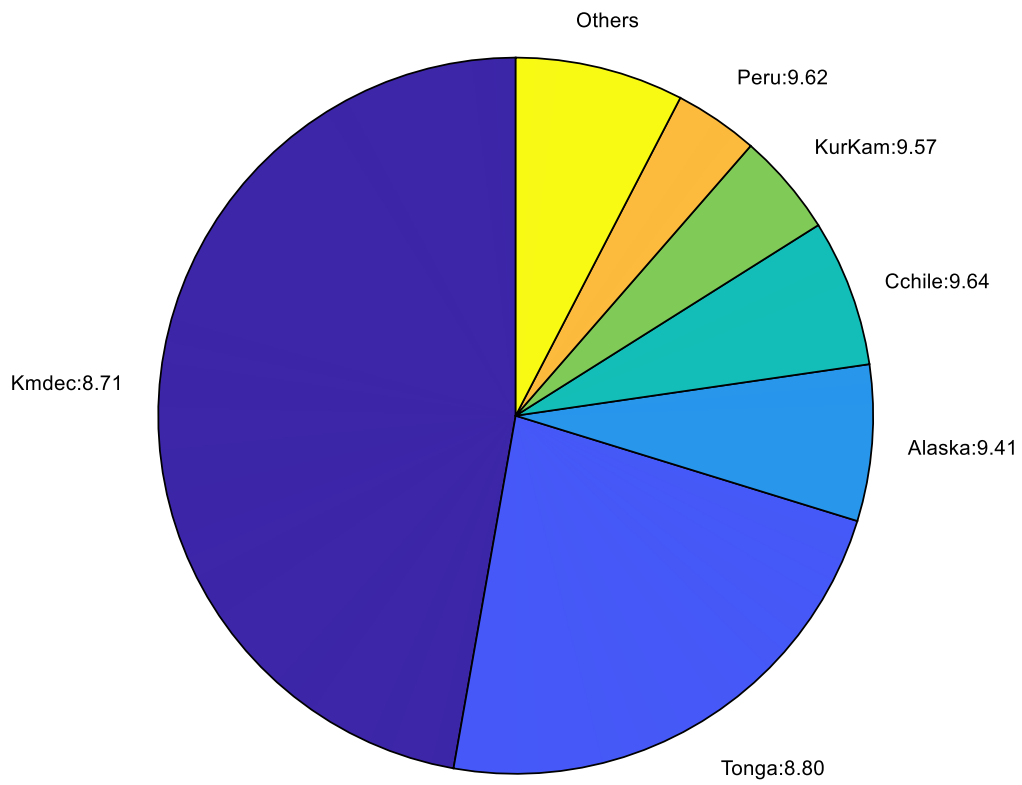
Coromandel Peninsula West Coast / Firth of Thames, Port Jackson



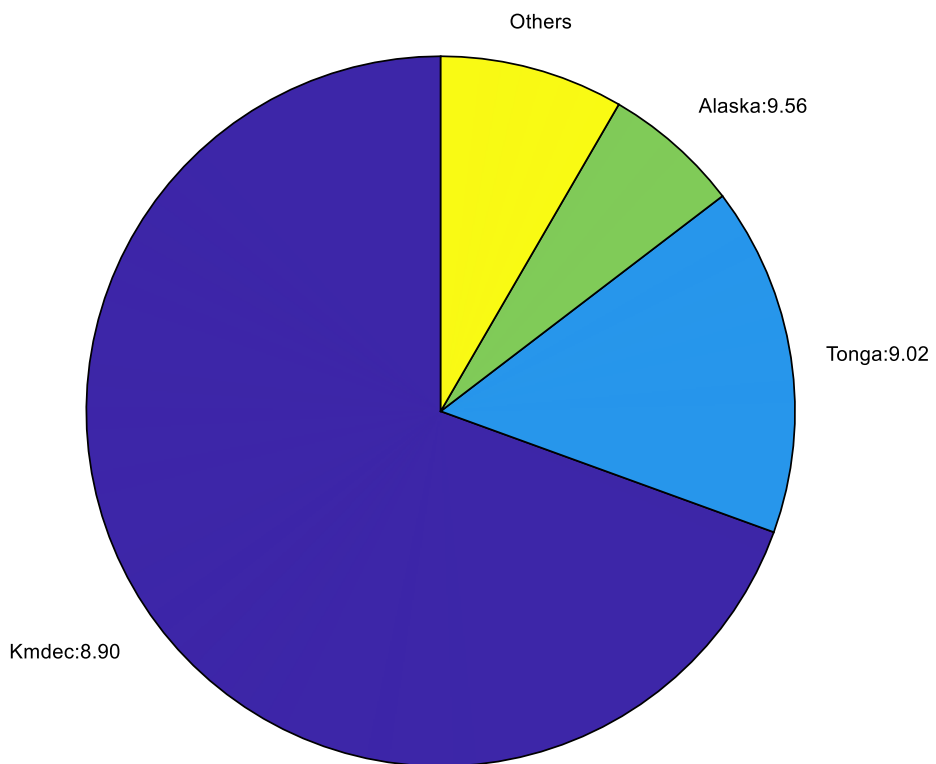
Port Jackson Hazard Curve, section #34



Deaggregation of Section:34, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.68 m

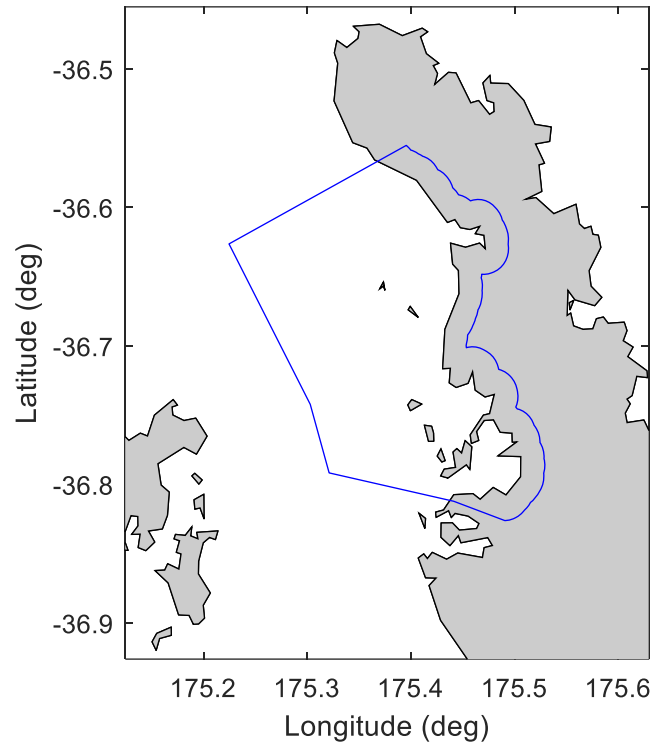


Deaggregation of Section:34, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.72 m

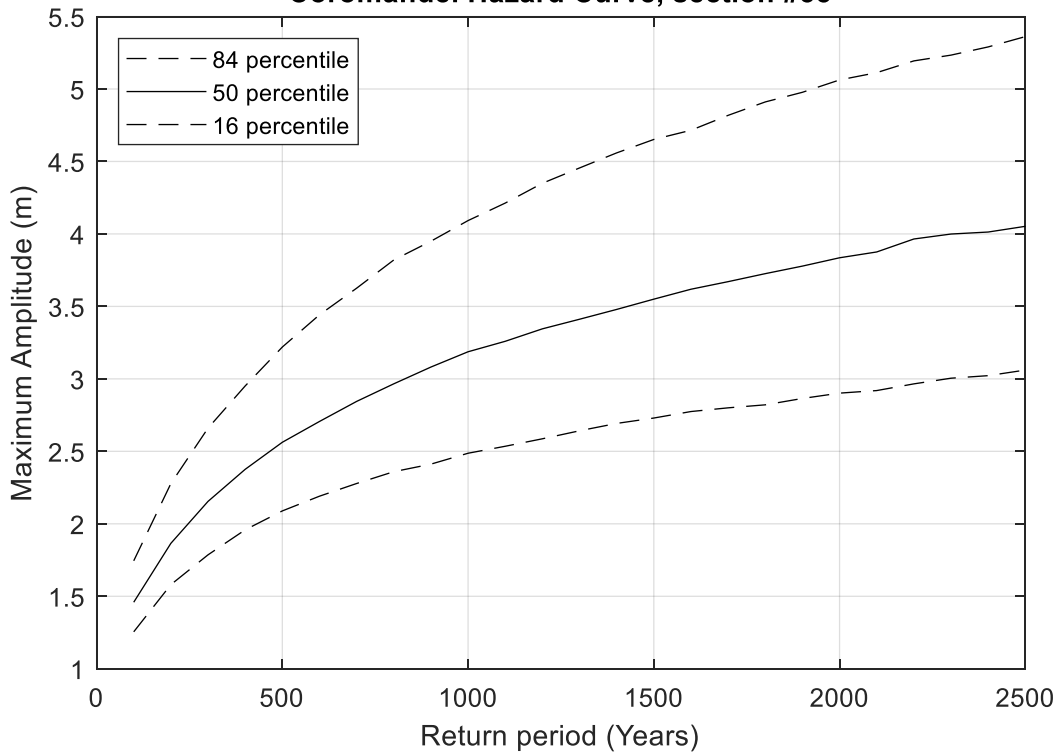


### A1.35 Coastal Section 35: Coromandel

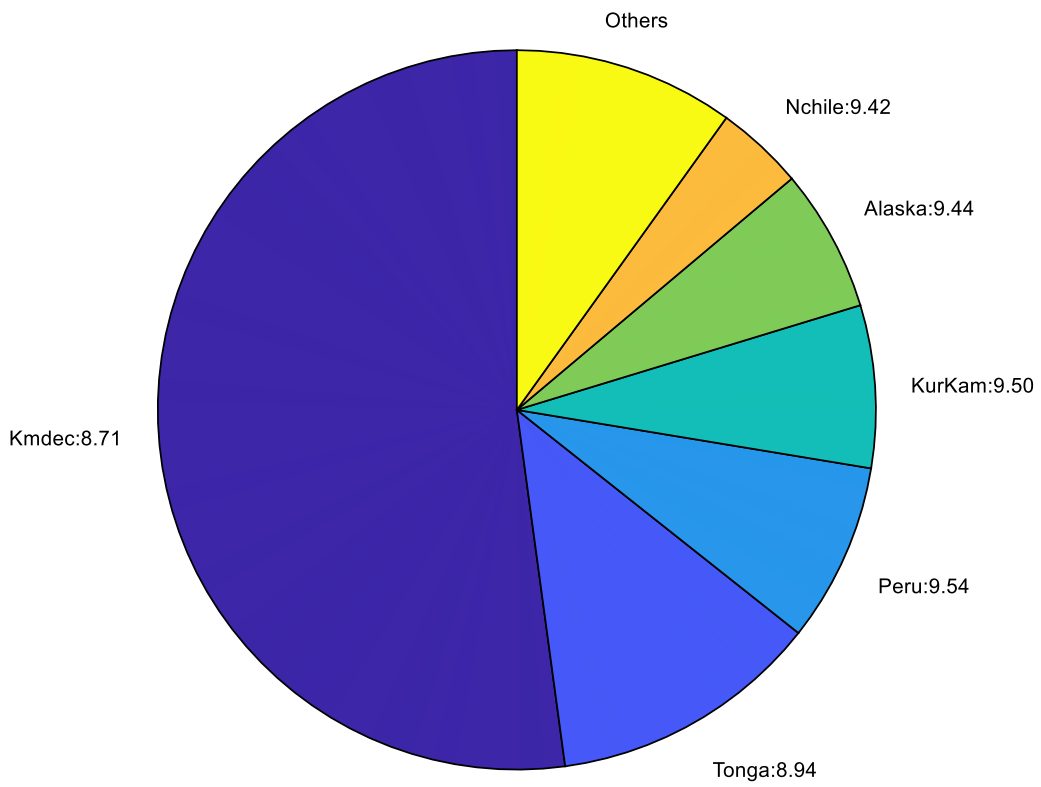
Coromandel Peninsula West Coast / Firth of Thames, Coromandel



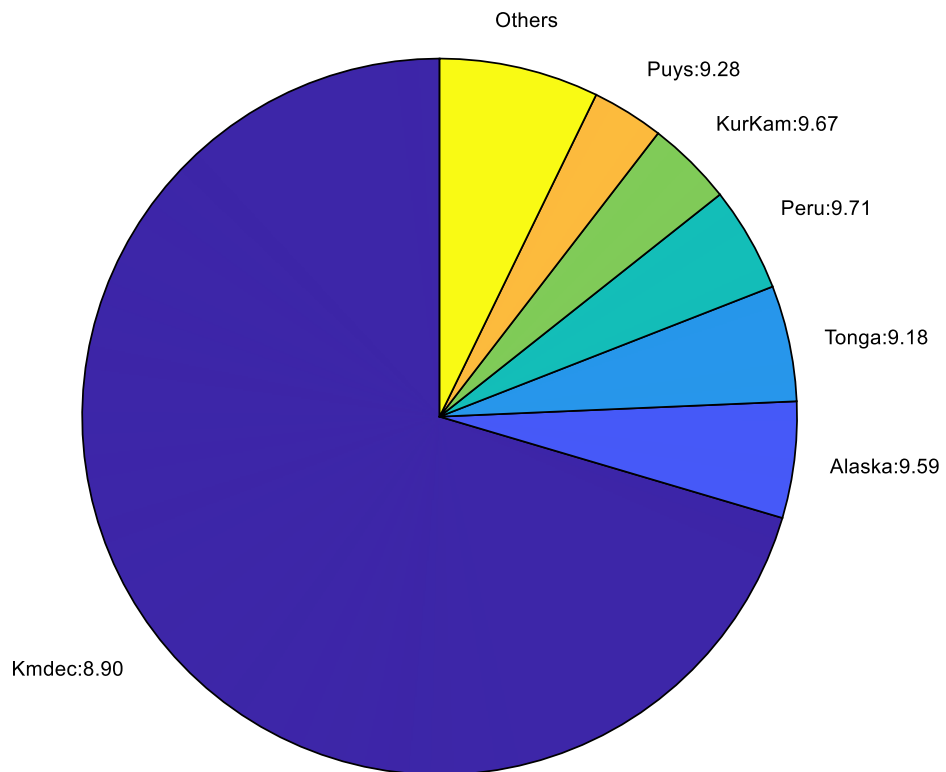
Coromandel Hazard Curve, section #35



Deaggregation of Section:35, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.56 m

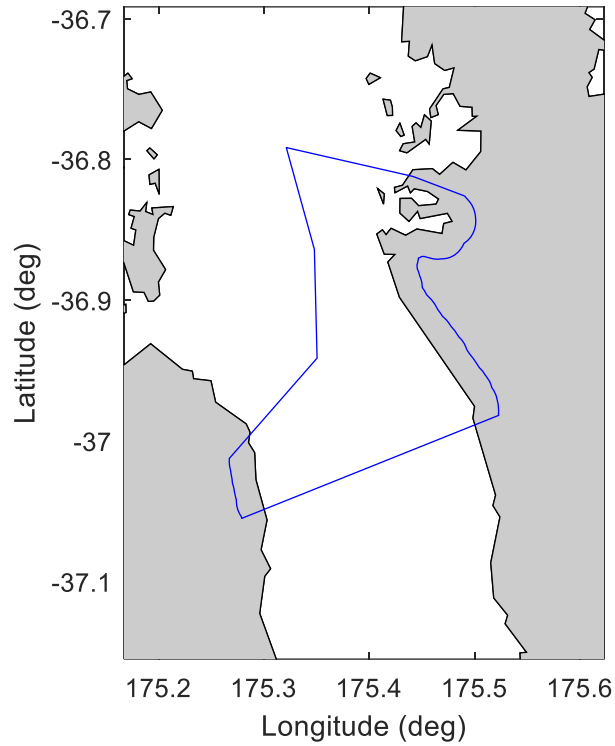


Deaggregation of Section:35, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.05 m

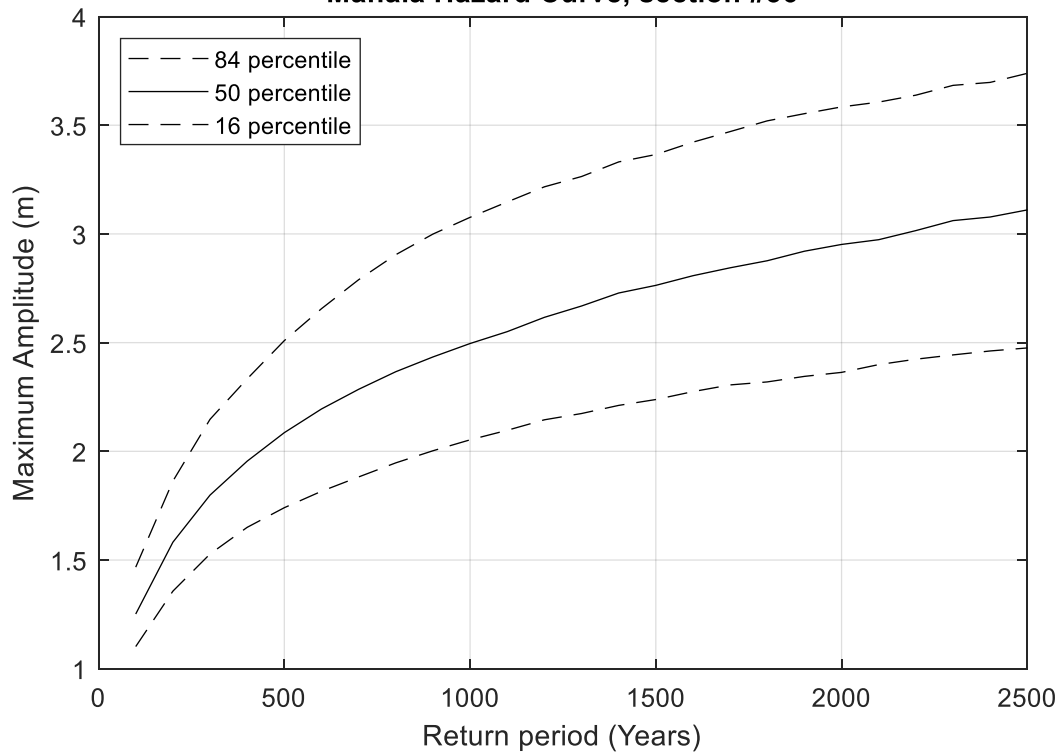


### A1.36 Coastal Section 36: Manaia

Coromandel Peninsula West Coast / Firth of Thames, Manaia

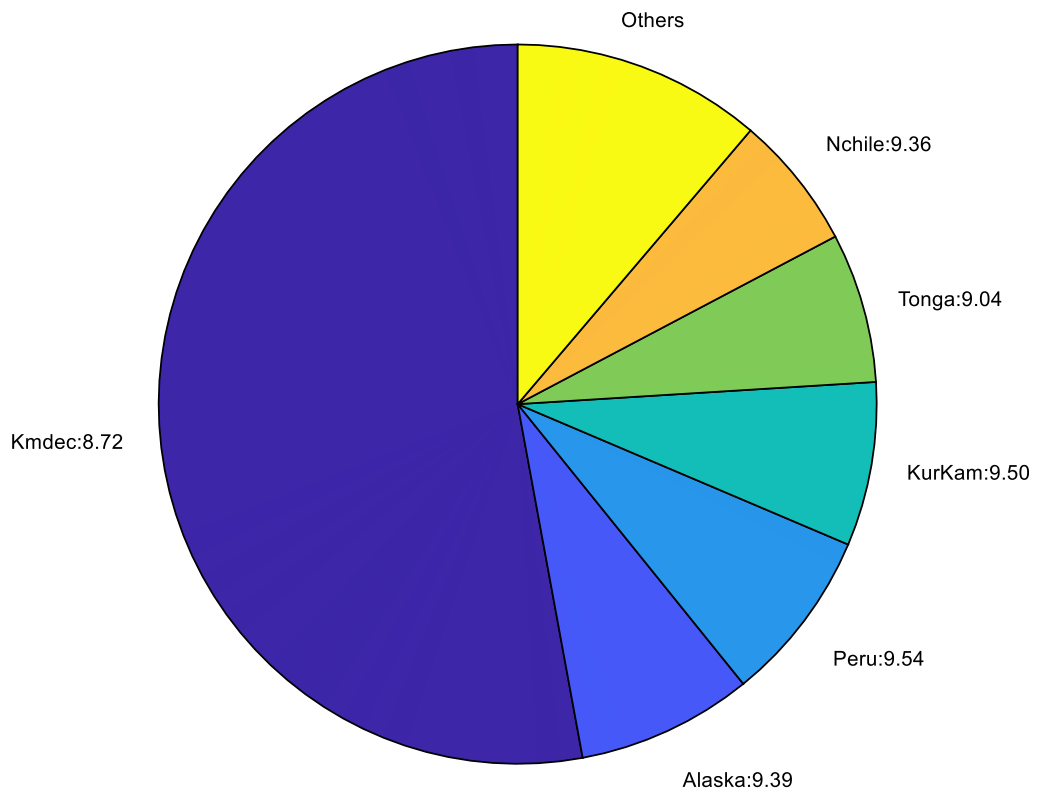


Manaia Hazard Curve, section #36

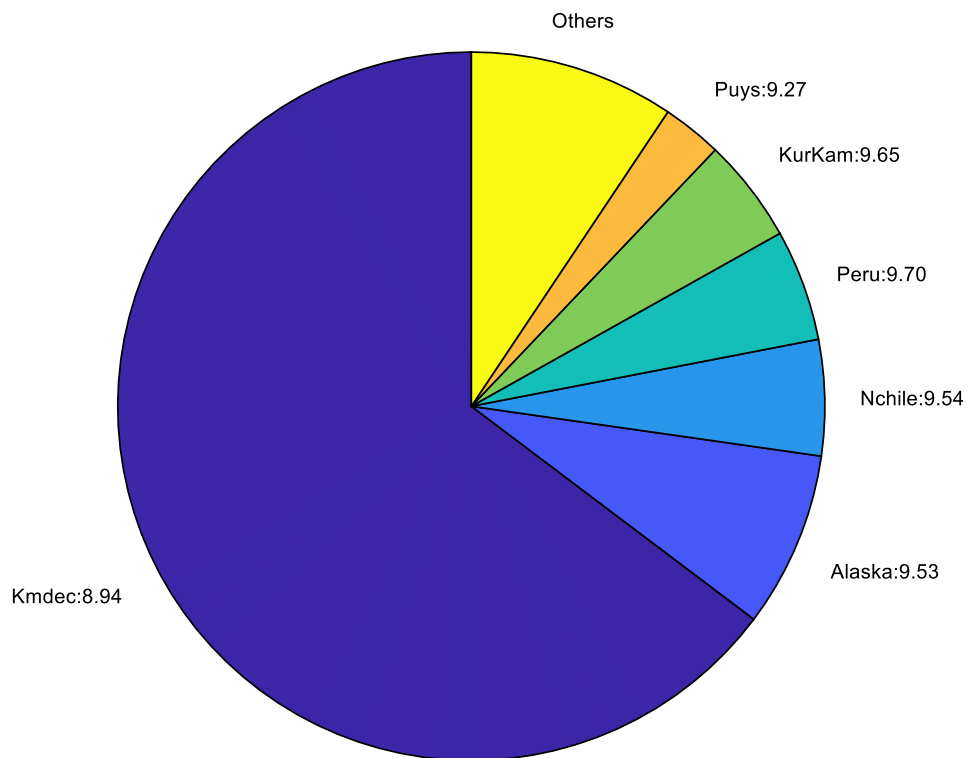




Deaggregation of Section:36, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.08 m

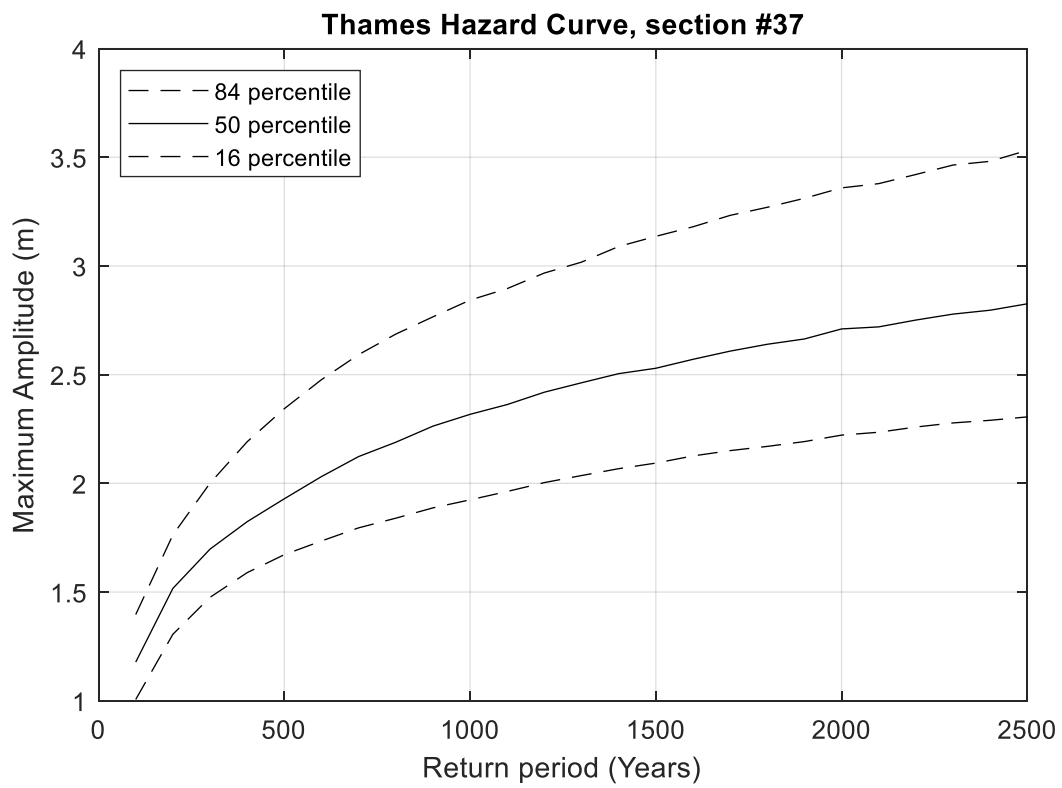
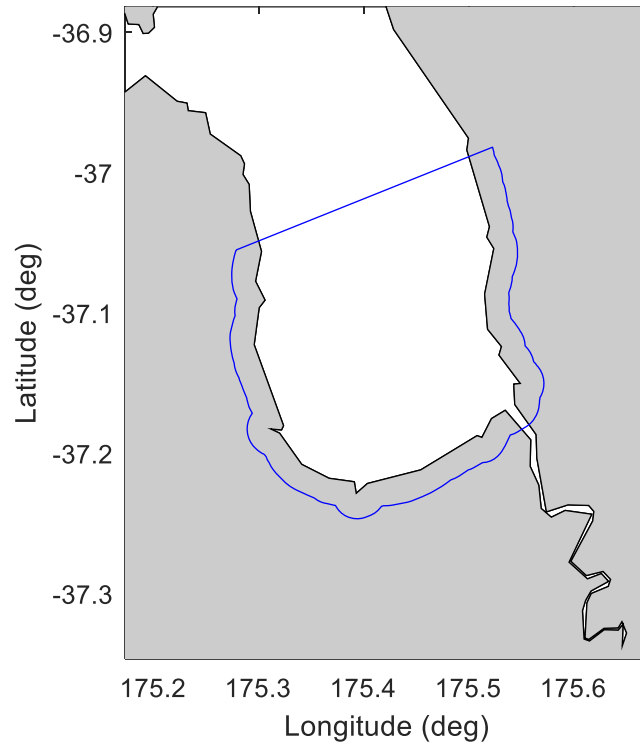


Deaggregation of Section:36, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.11 m

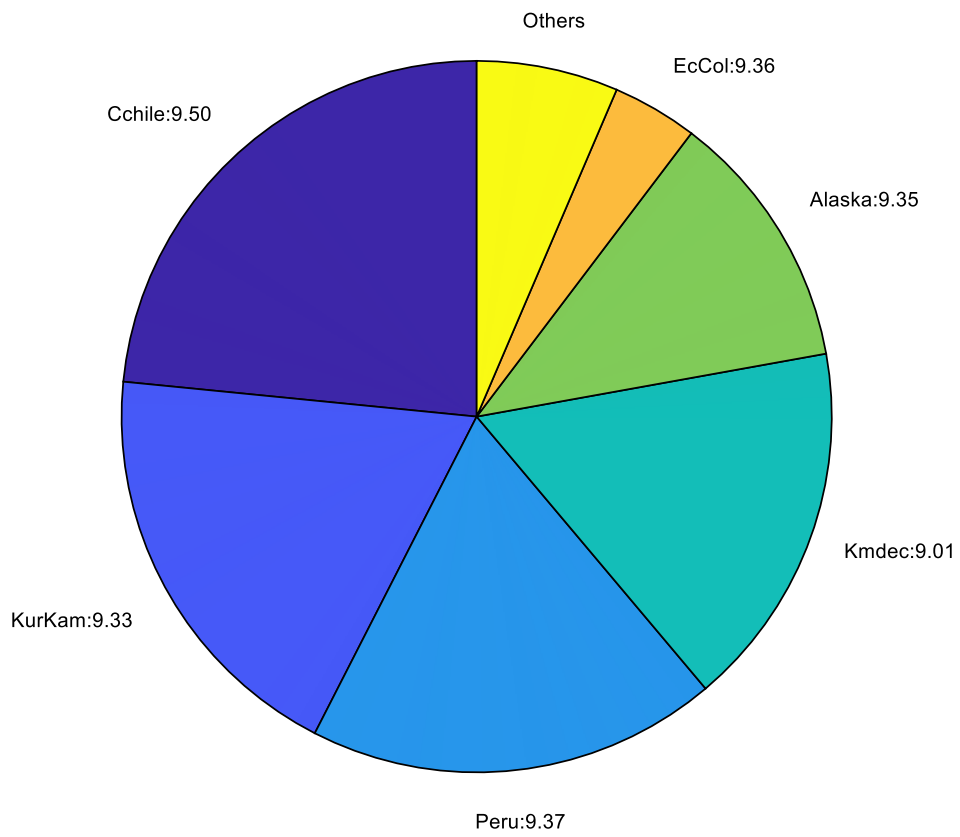


### A1.37 Coastal Section 37: Thames

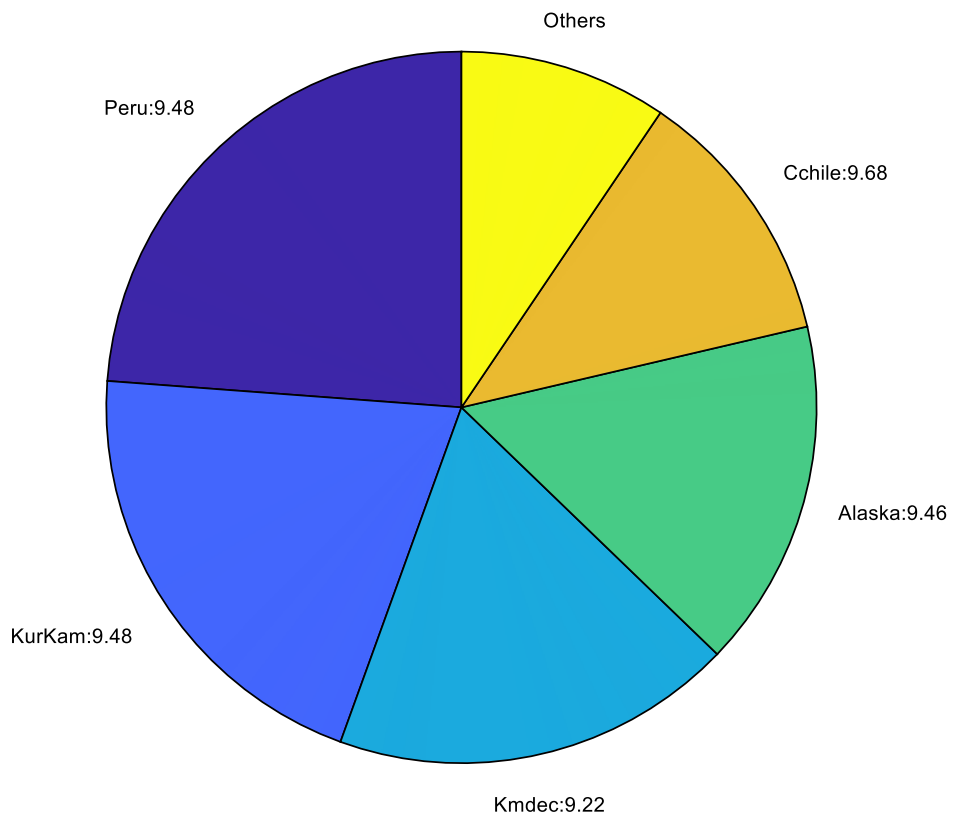
Coromandel Peninsula West Coast / Firth of Thames, Thames



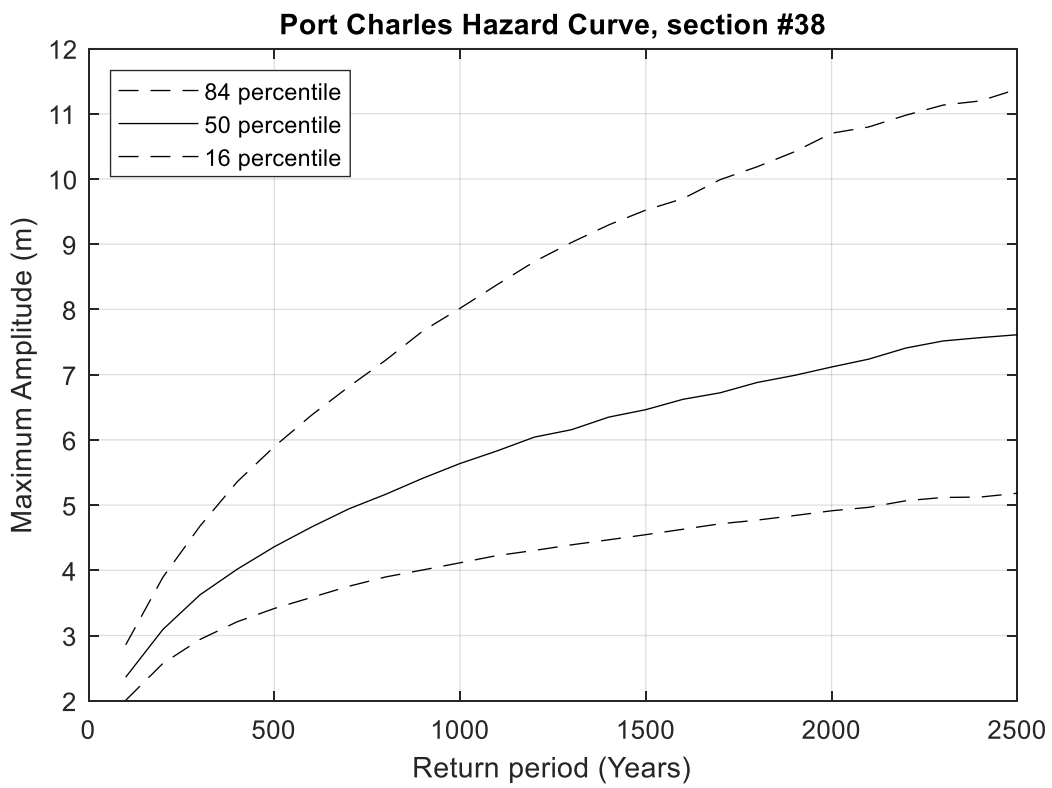
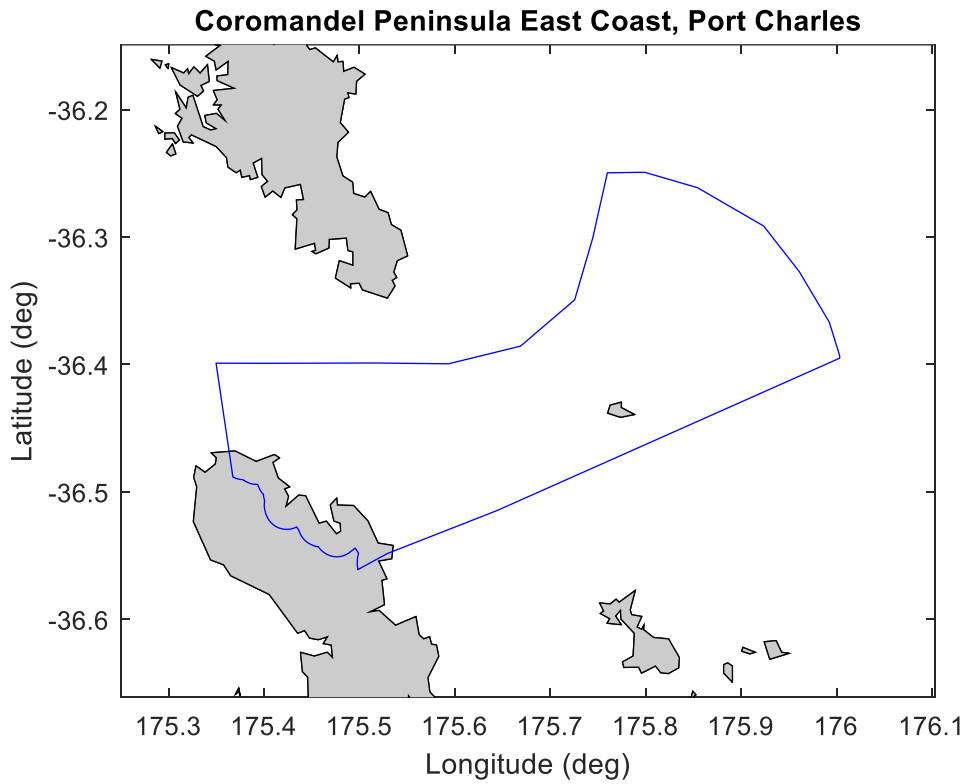
Deaggregation of Section:37, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:1.93 m



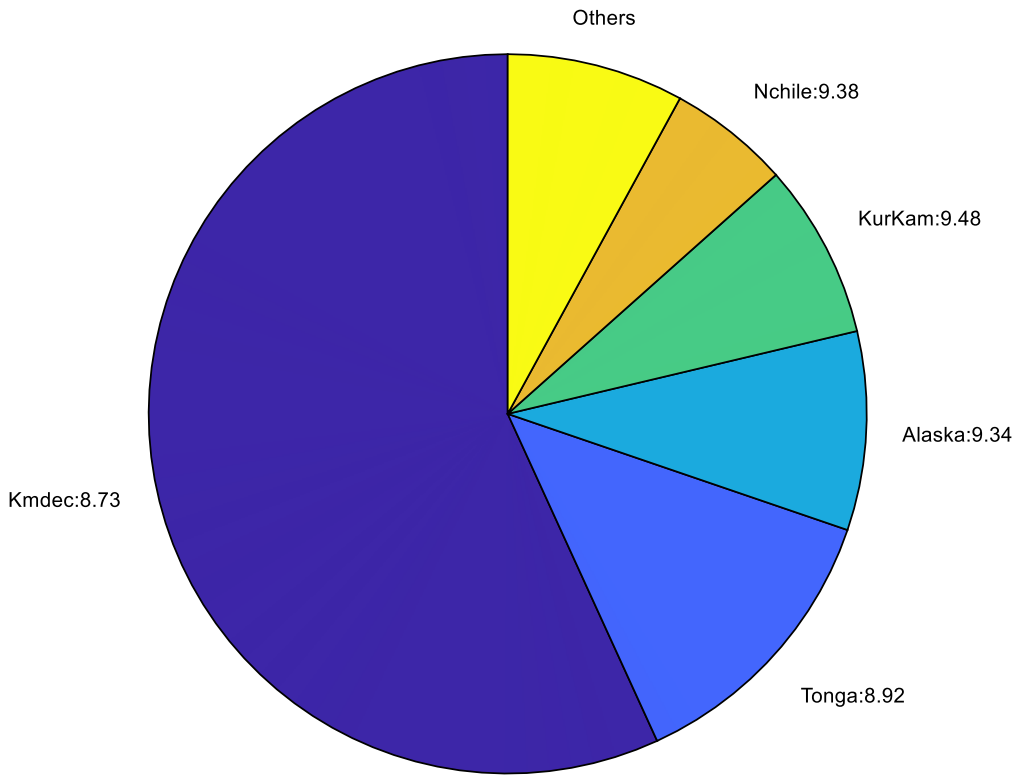
Deaggregation of Section:37, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.82 m



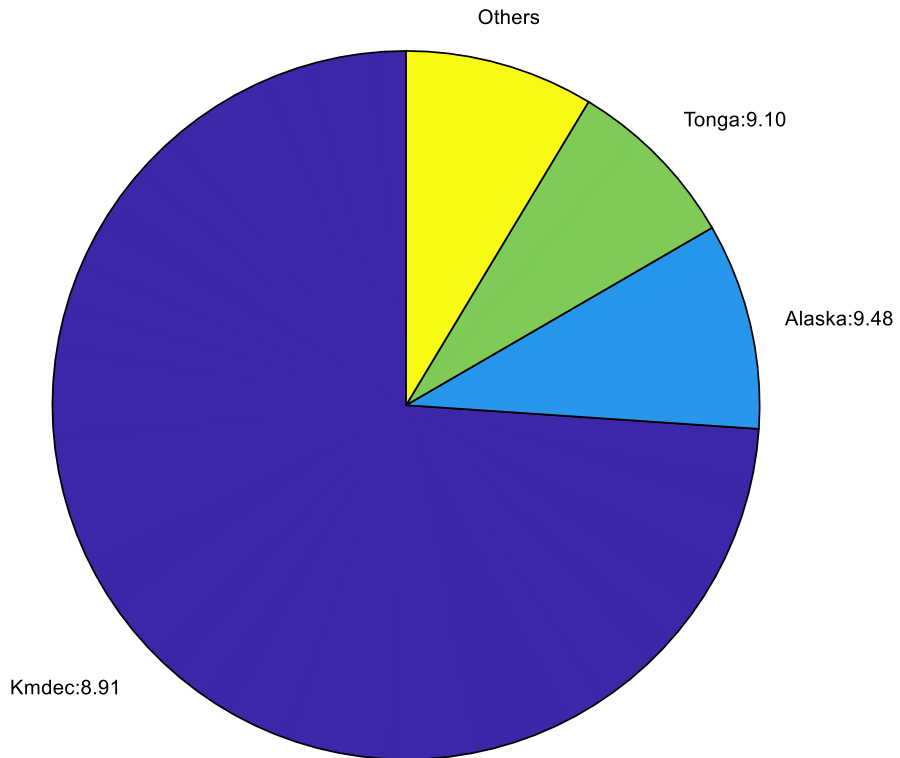
### A1.38 Coastal Section 38: Port Charles



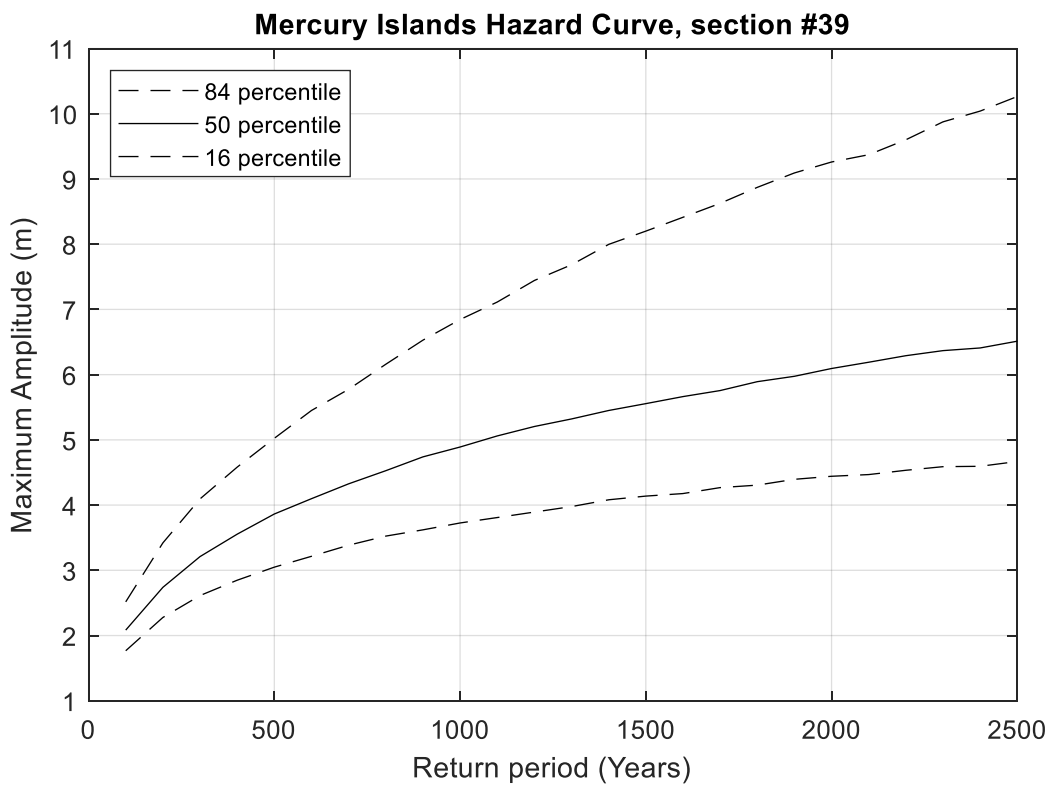
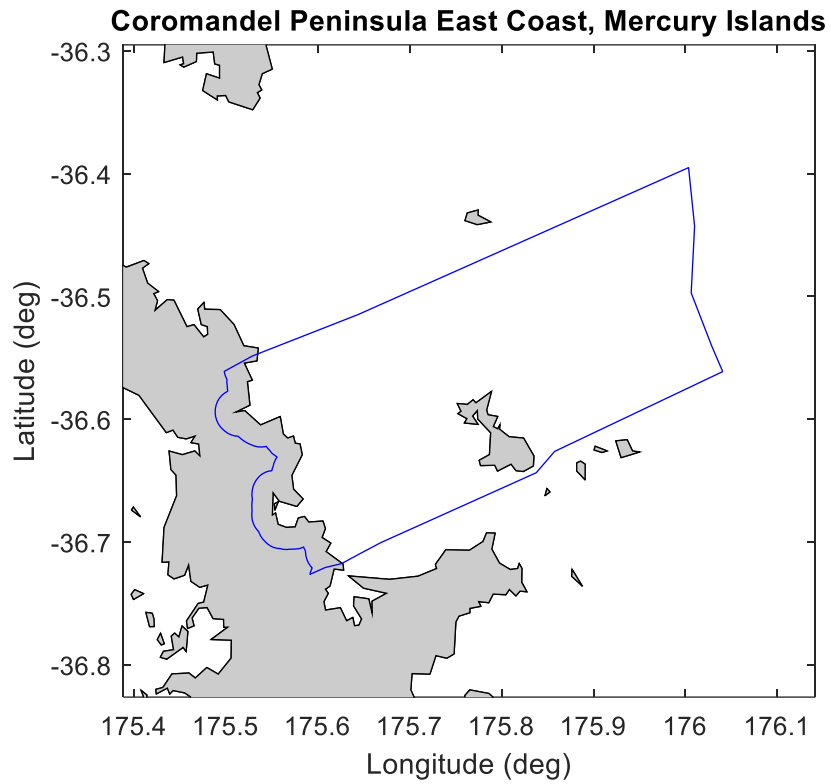
Deaggregation of Section:38, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.36 m



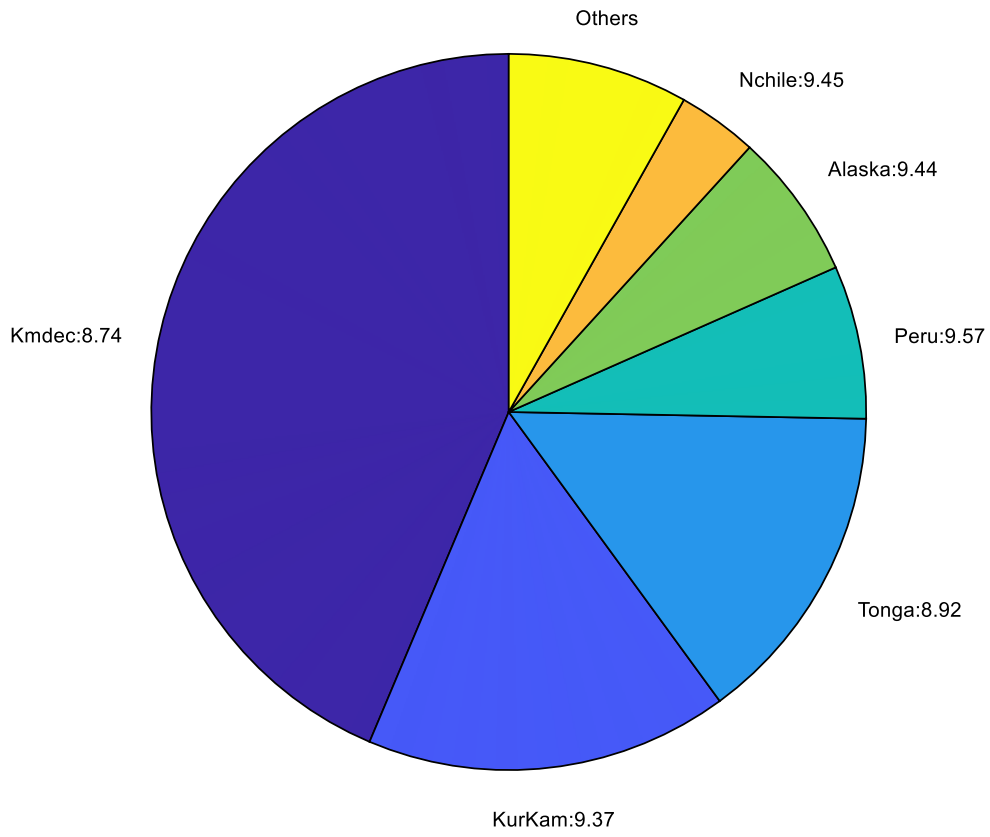
Deaggregation of Section:38, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.59 m



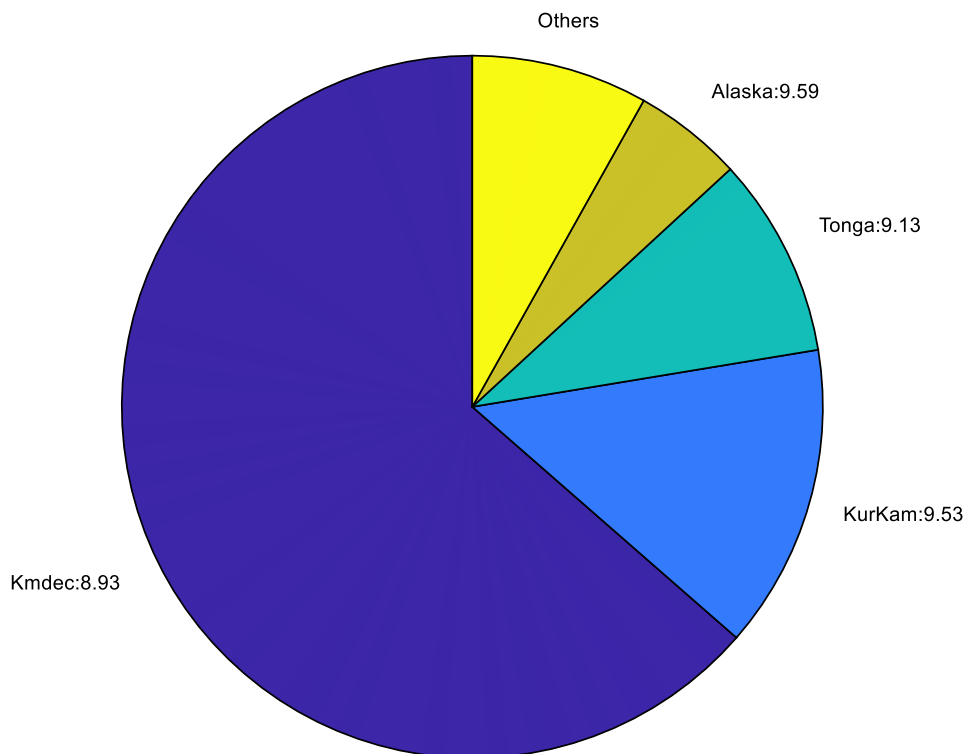
### A1.39 Coastal Section 39: Mercury Islands



Deaggregation of Section:39, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.86 m

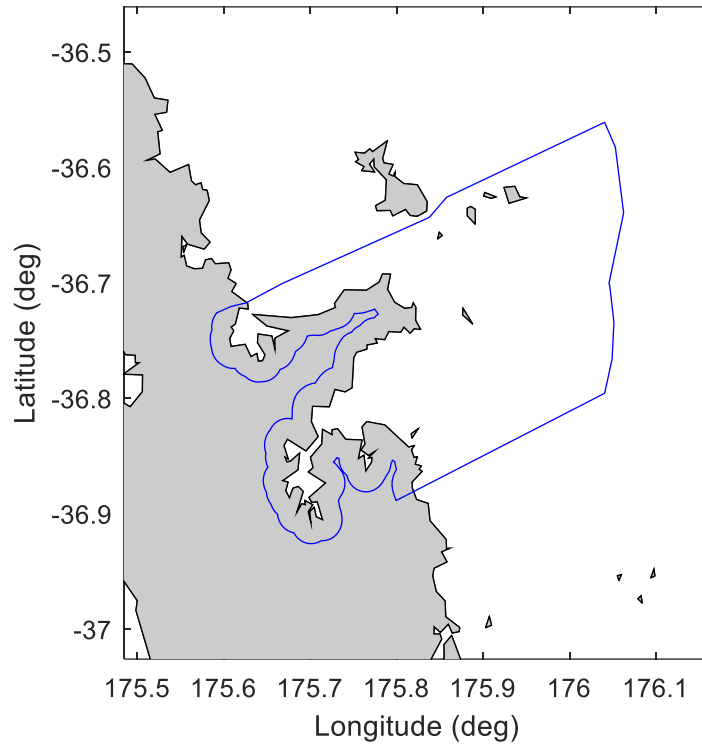


Deaggregation of Section:39, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.51 m

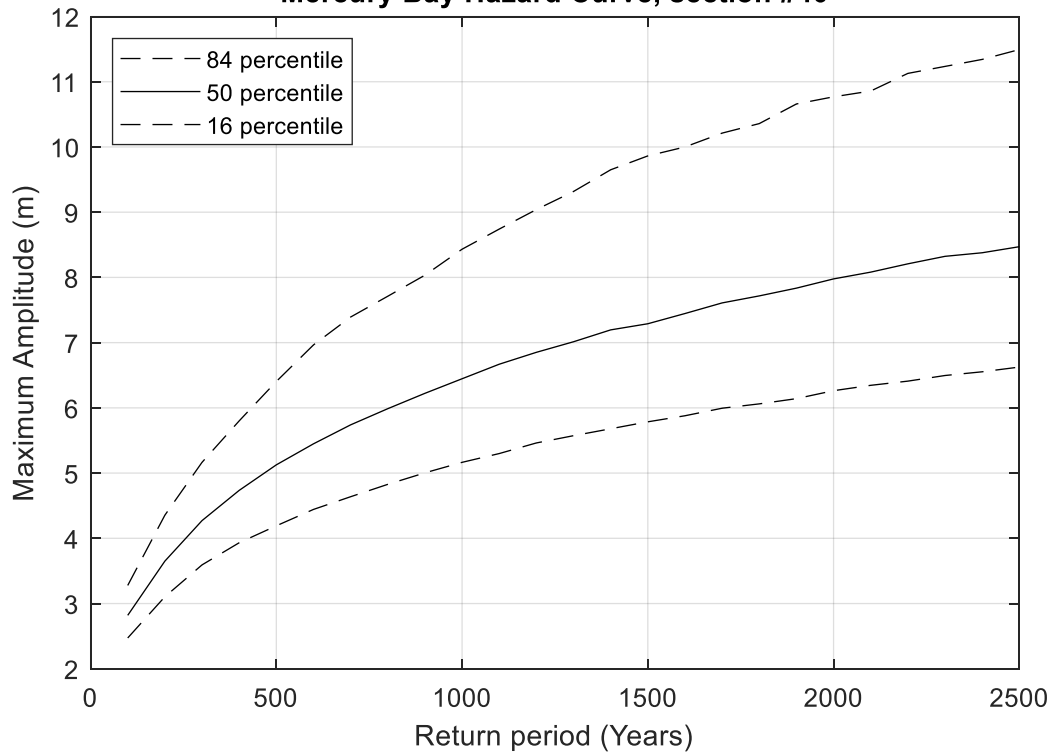


## A1.40 Coastal Section 40: Mercury Bay

### Coromandel Peninsula East Coast, Mercury Bay

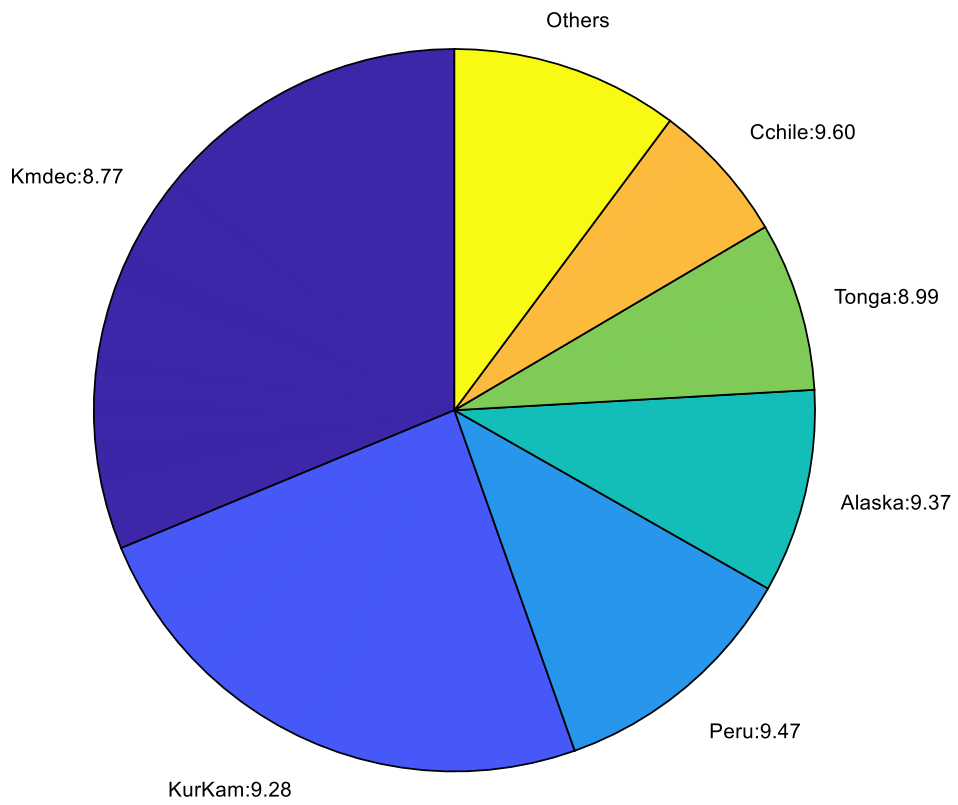


### Mercury Bay Hazard Curve, section #40

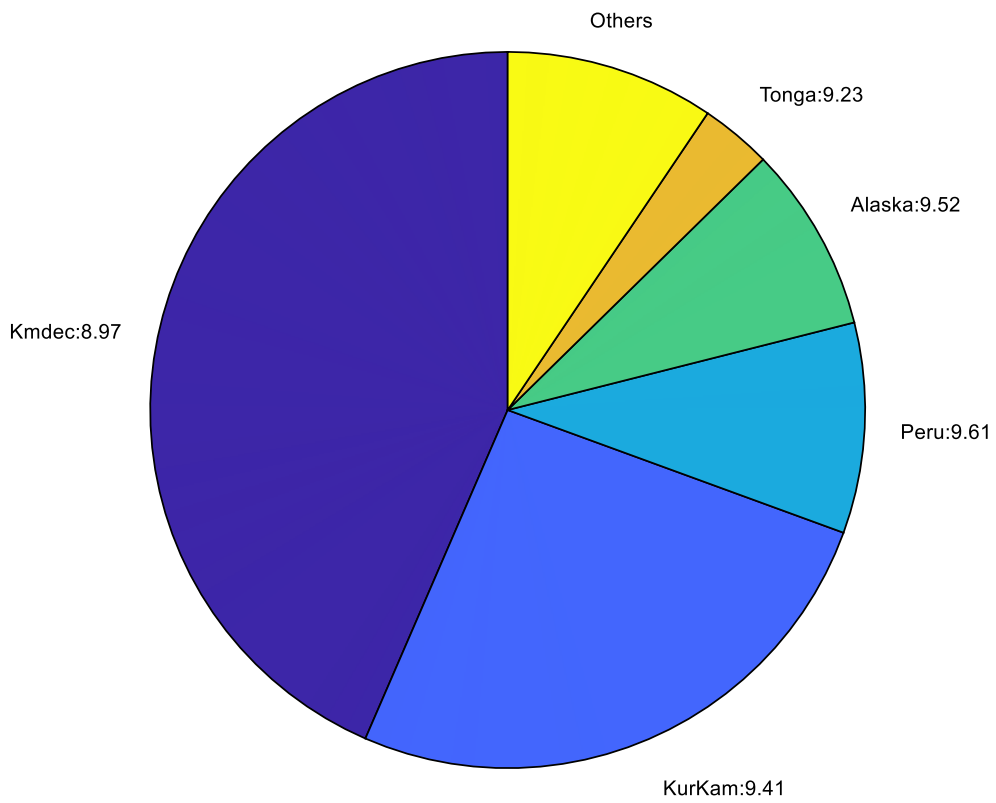




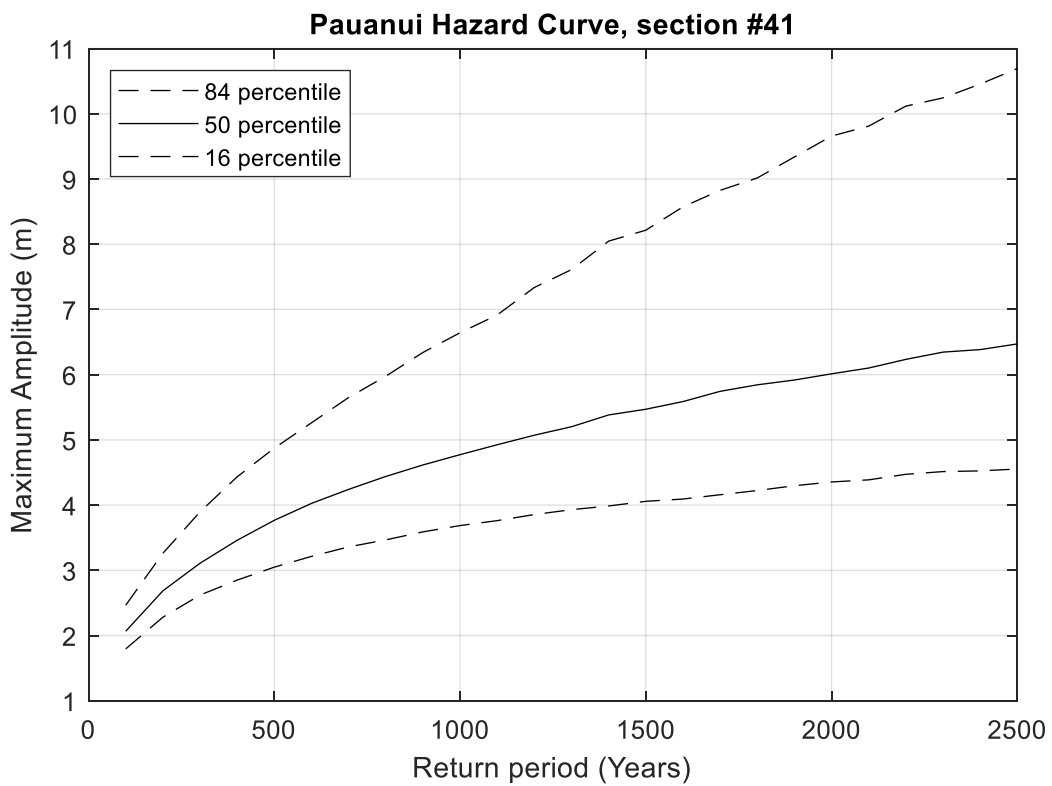
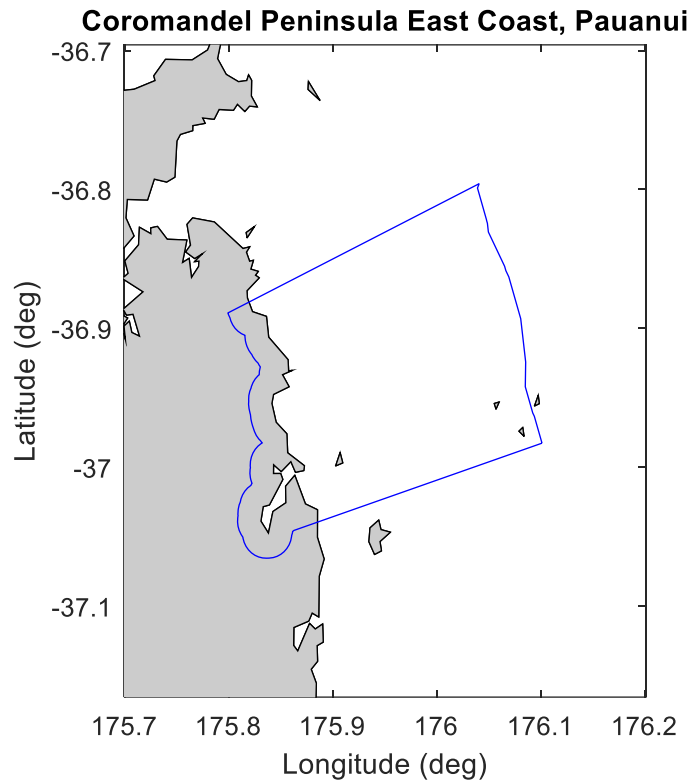
Deaggregation of Section:40, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.13 m



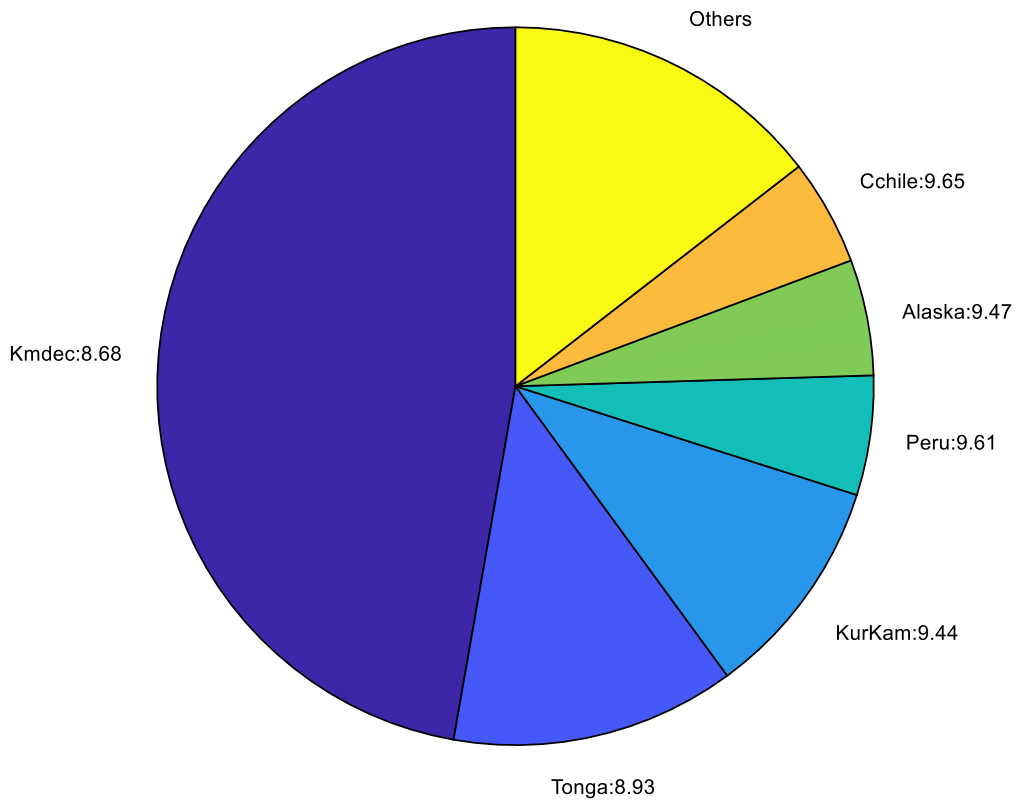
Deaggregation of Section:40, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.47 m



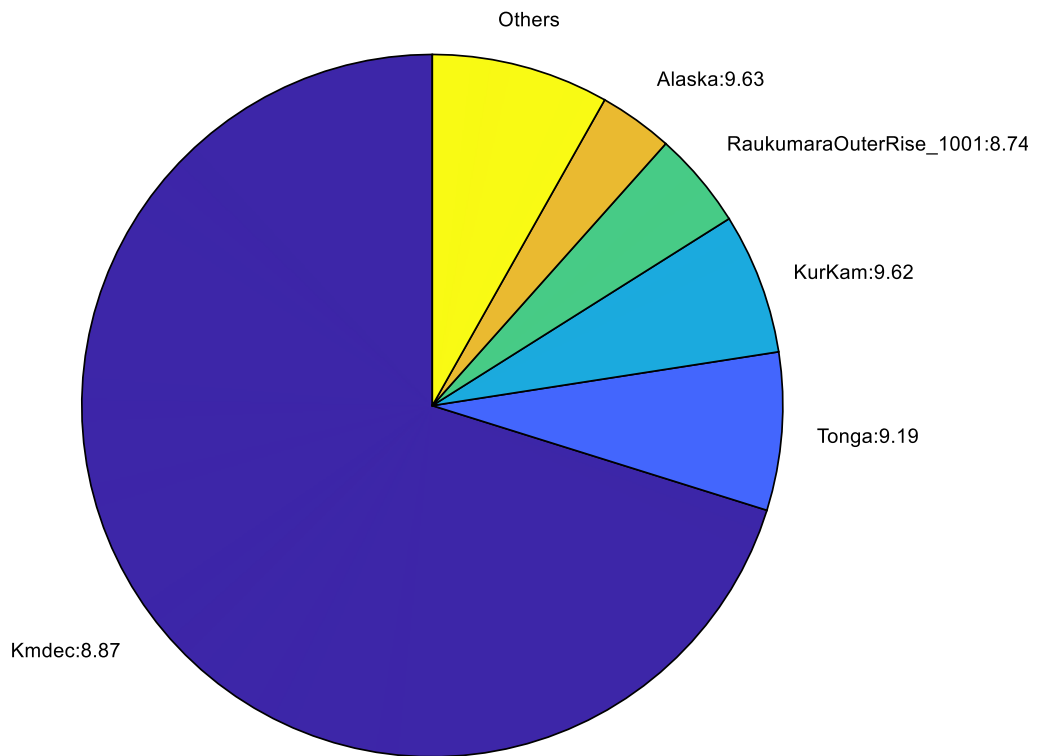
### A1.41 Coastal Section 41: Pauanui



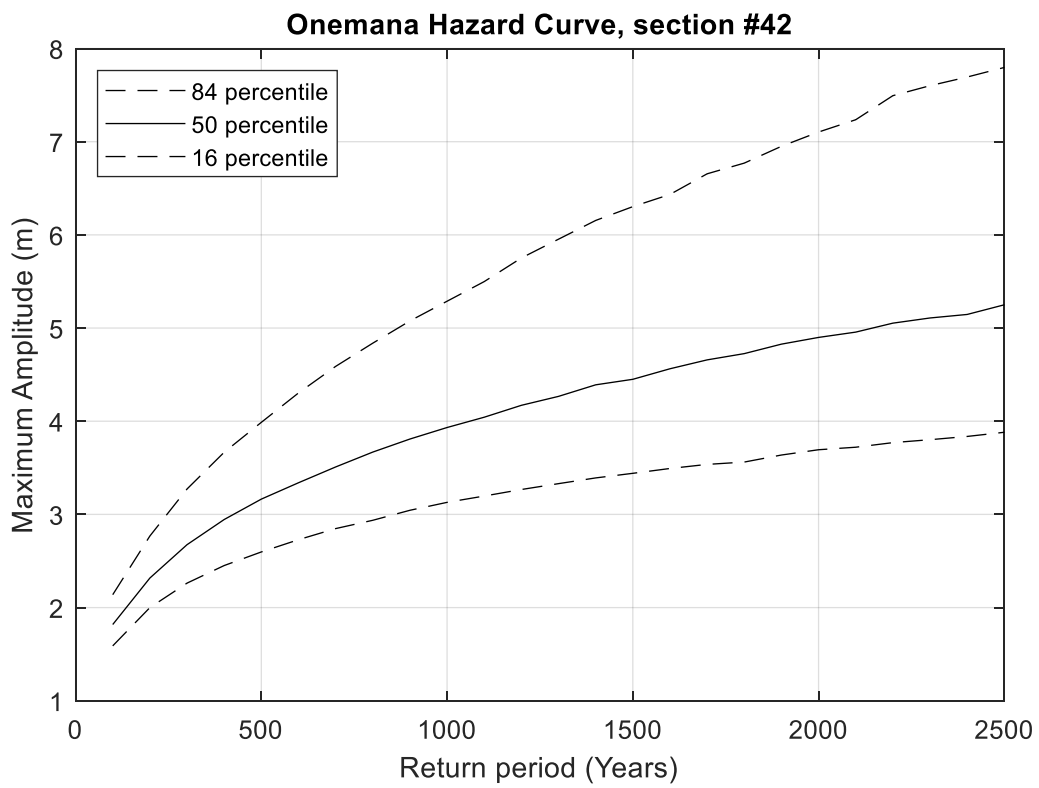
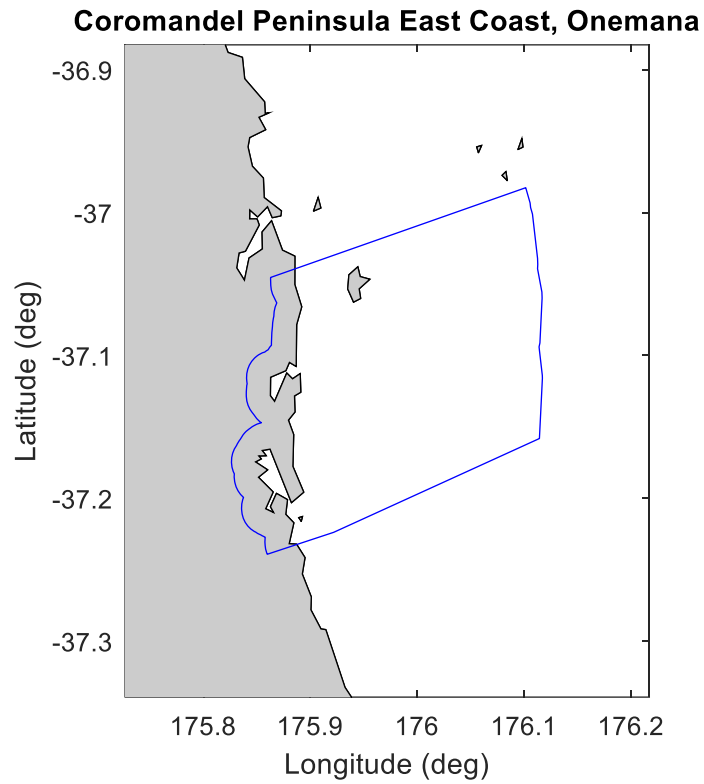
Deaggregation of Section:41, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.76 m



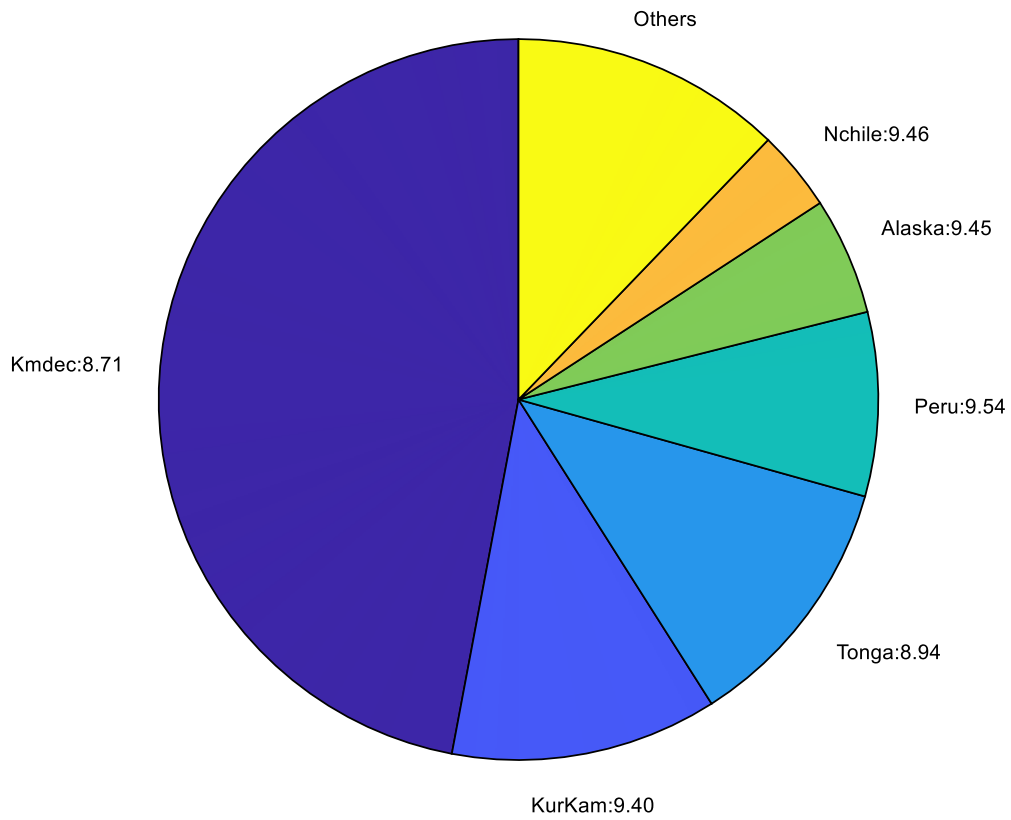
Deaggregation of Section:41, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.46 m



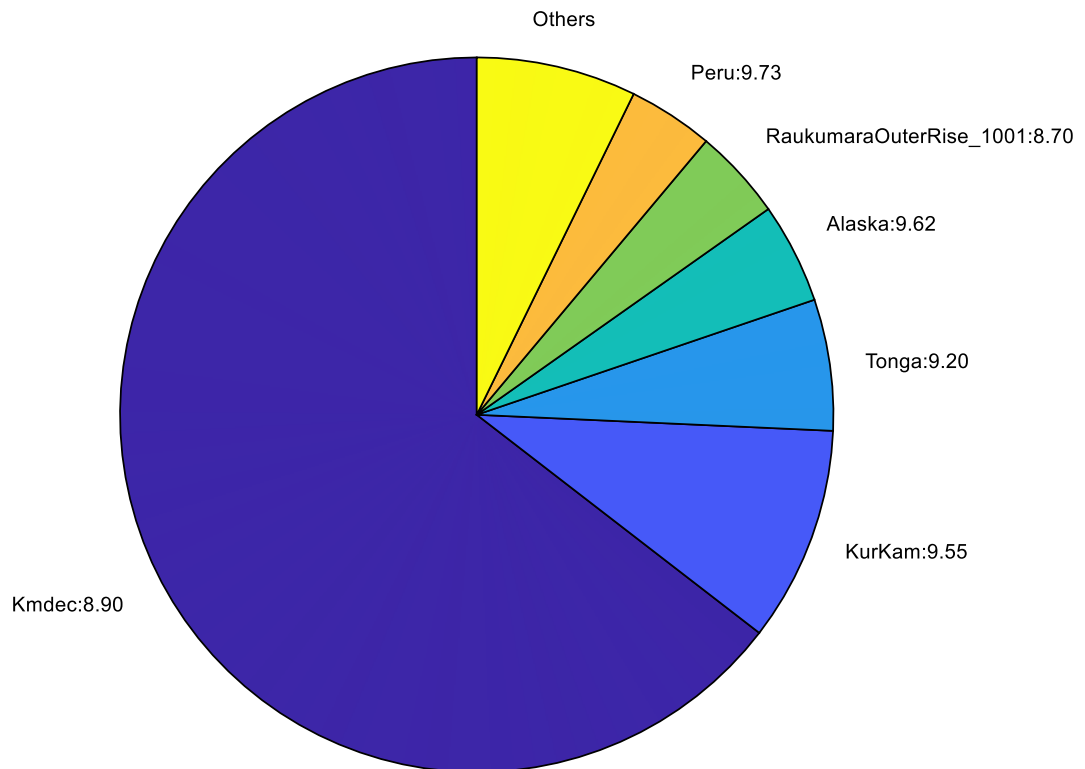
## A1.42 Coastal Section 42: Onemana



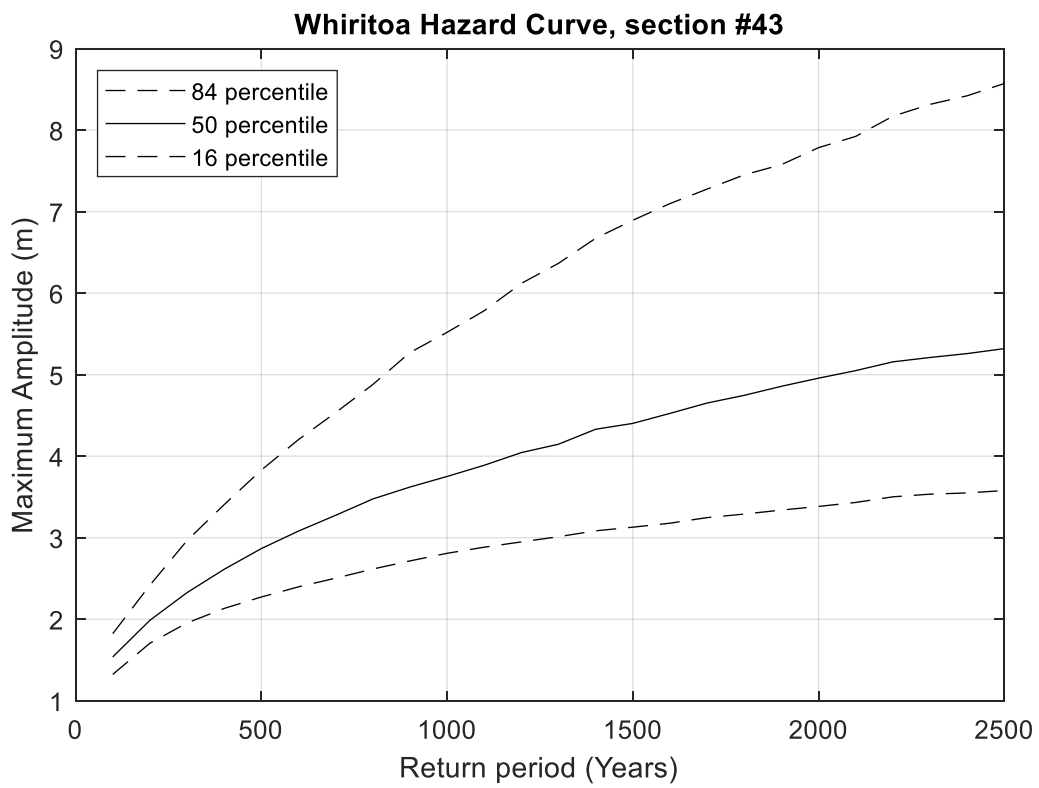
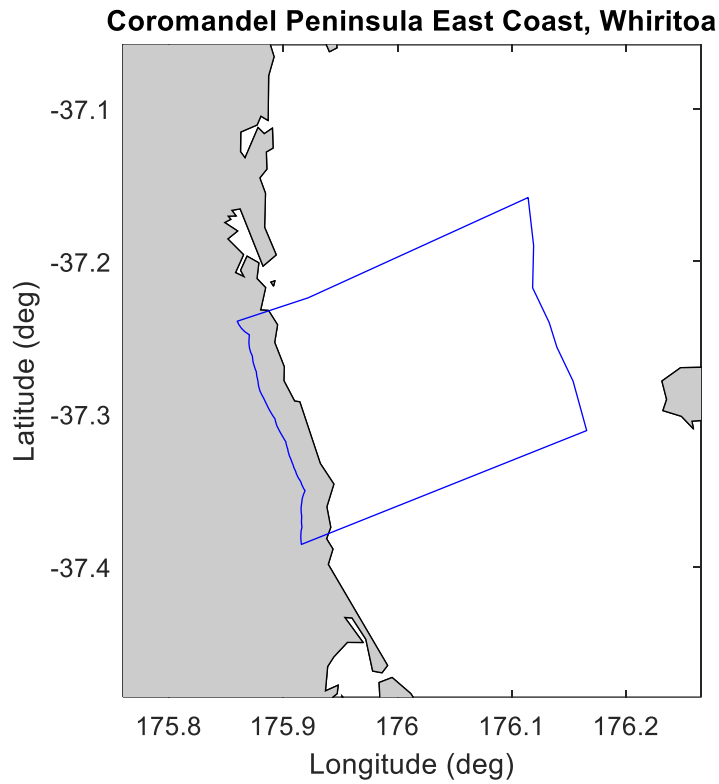
Deaggregation of Section:42, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.16 m



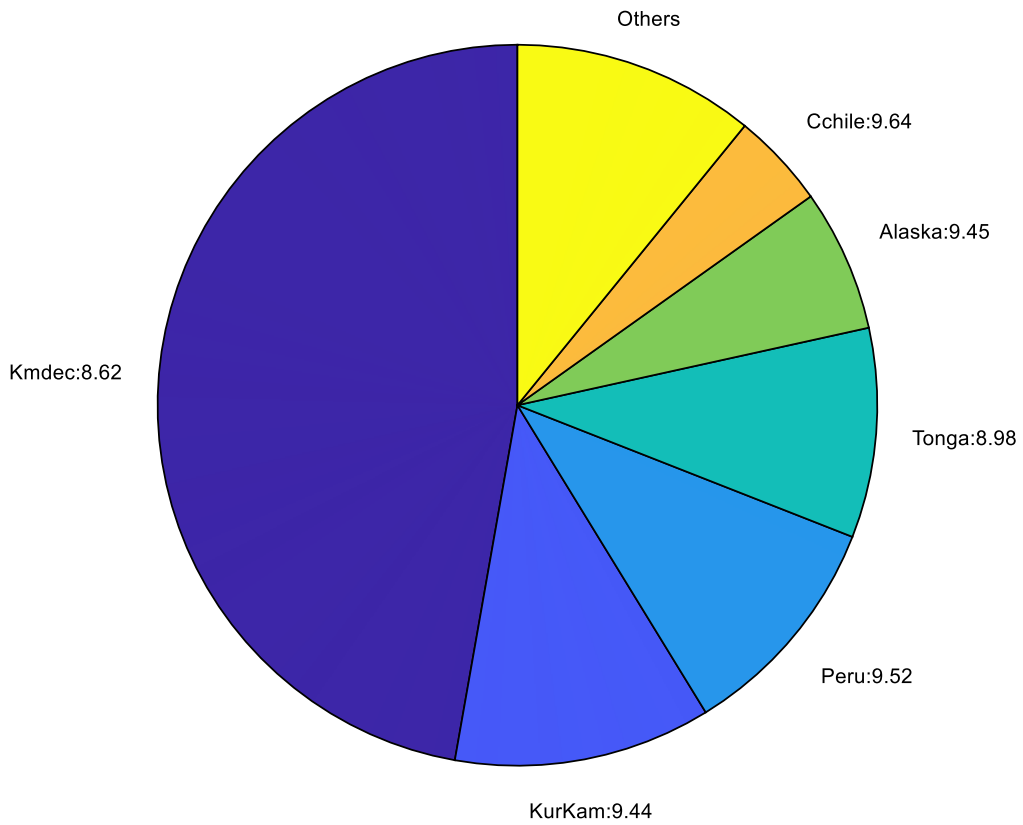
Deaggregation of Section:42, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.25 m



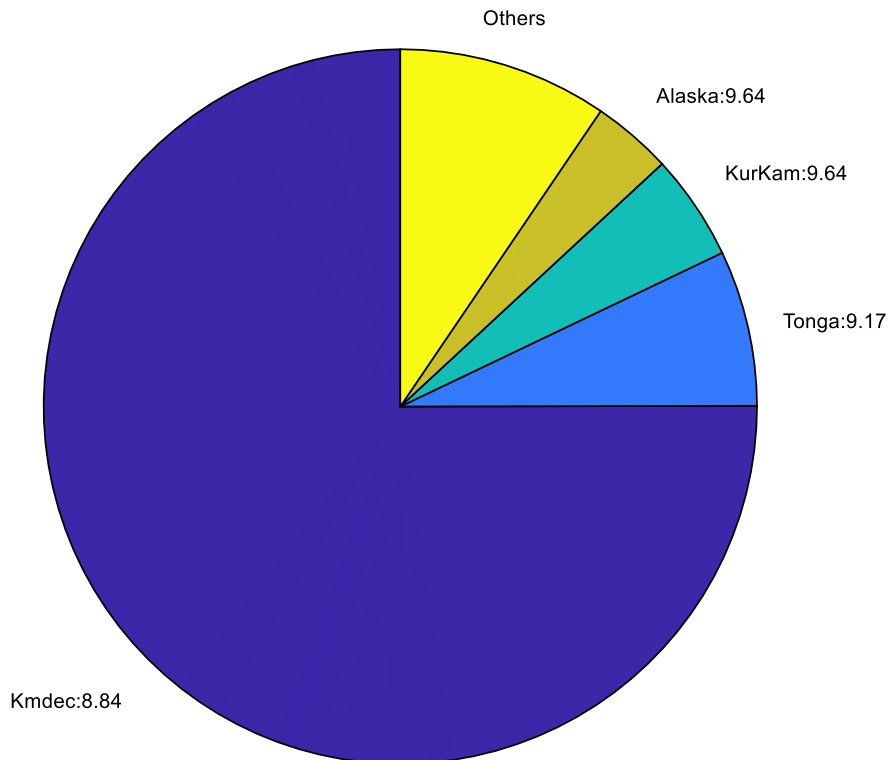
### A1.43 Coastal Section 43: Whiritoa



Deaggregation of Section:43, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.87 m

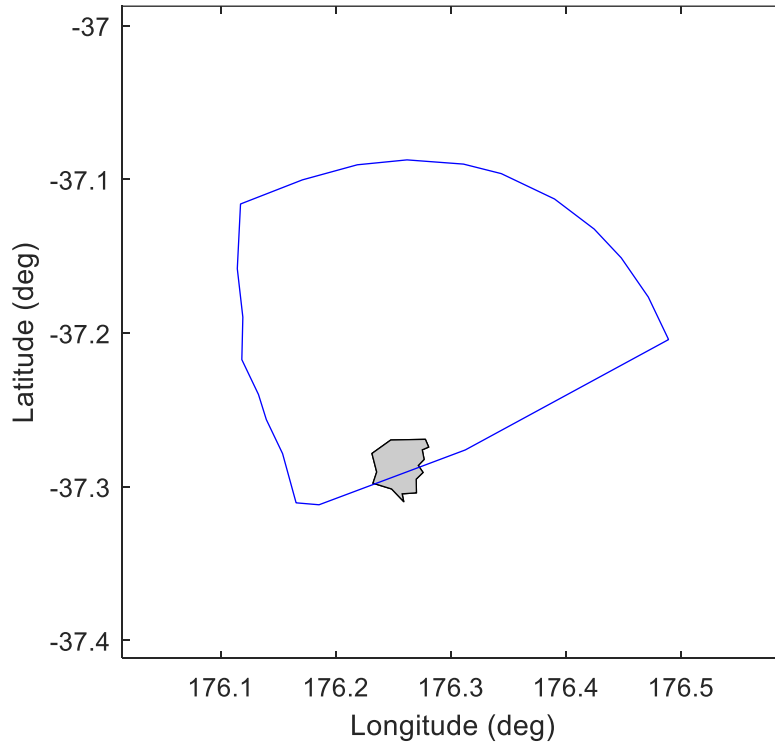


Deaggregation of Section:43, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.32 m

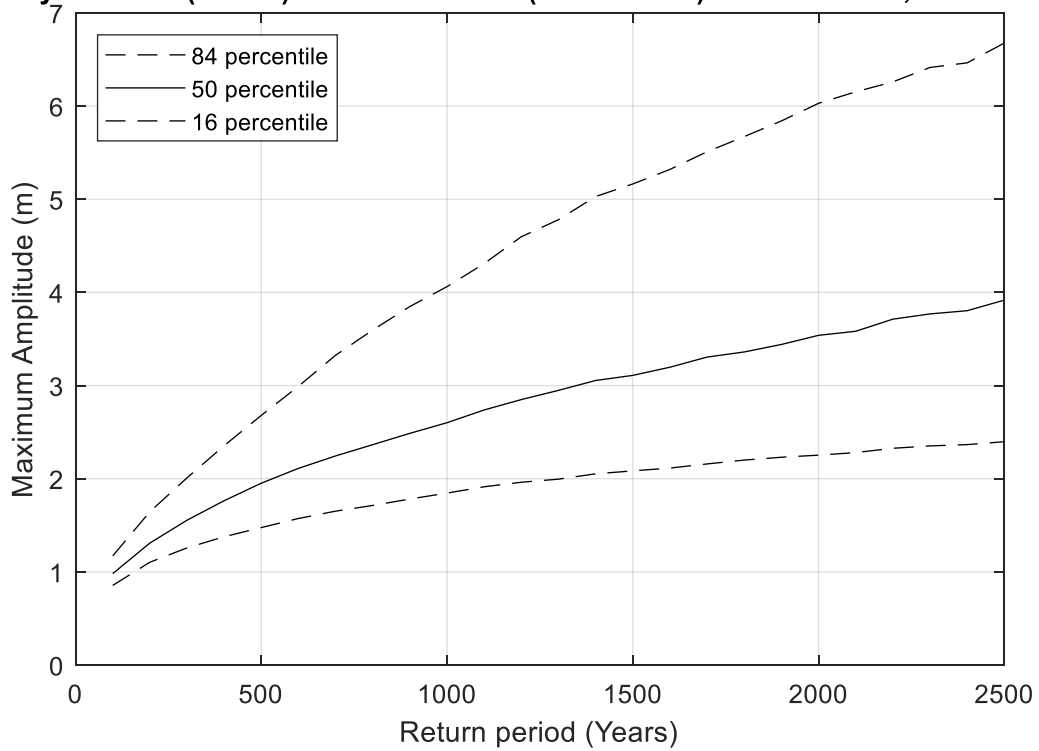


**A1.44 Coastal Section 44: Mayor Island (Tuhua) – Whakataratara (Māori Chief)**

**Western Bay of Plenty Coast, Mayor Island (Tuhua) - Whakataratara (Maori Chief)**

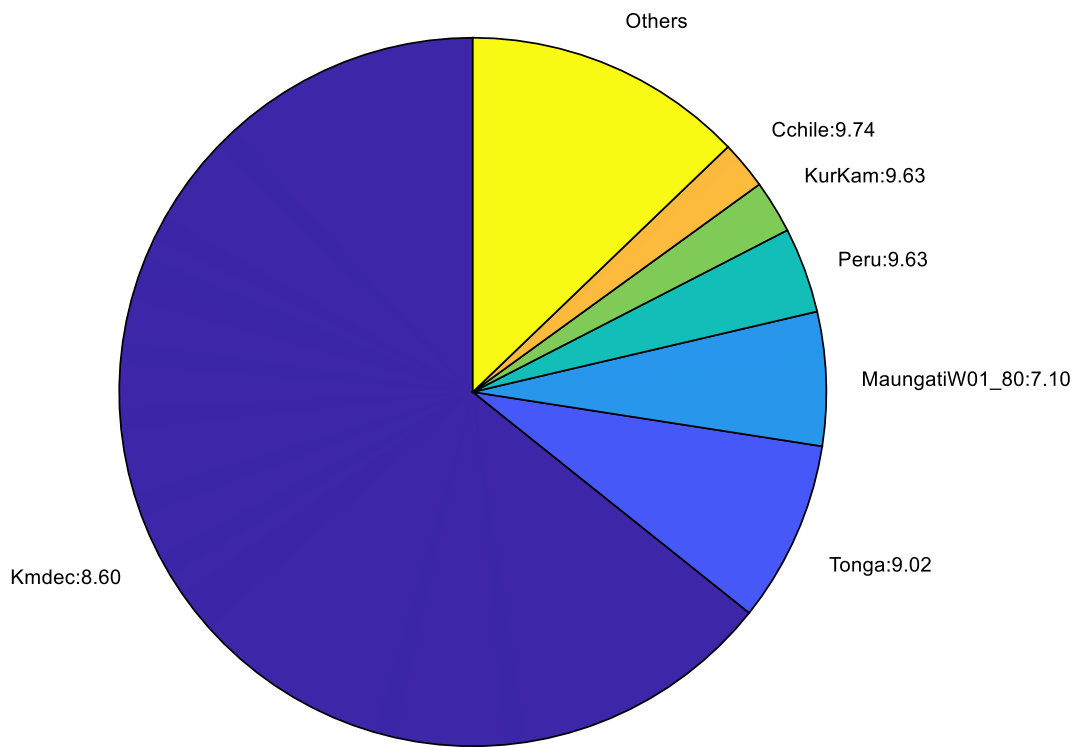


**Mayor Island (Tuhua) - Whakataratara (Maori Chief) Hazard Curve, section #44**

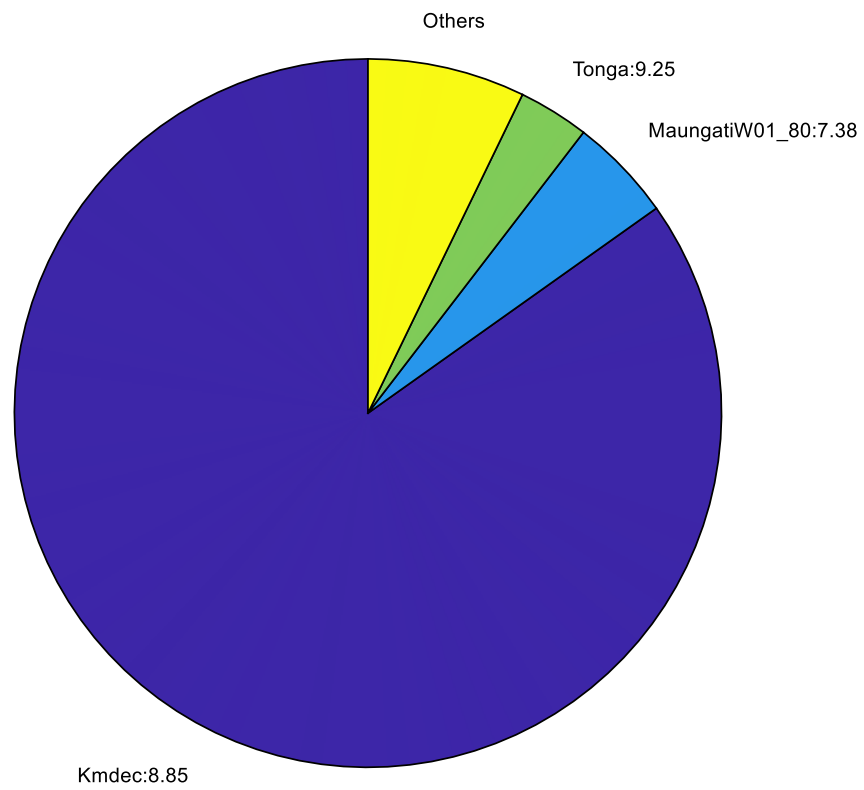




Deaggregation of Section:44, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:1.95 m

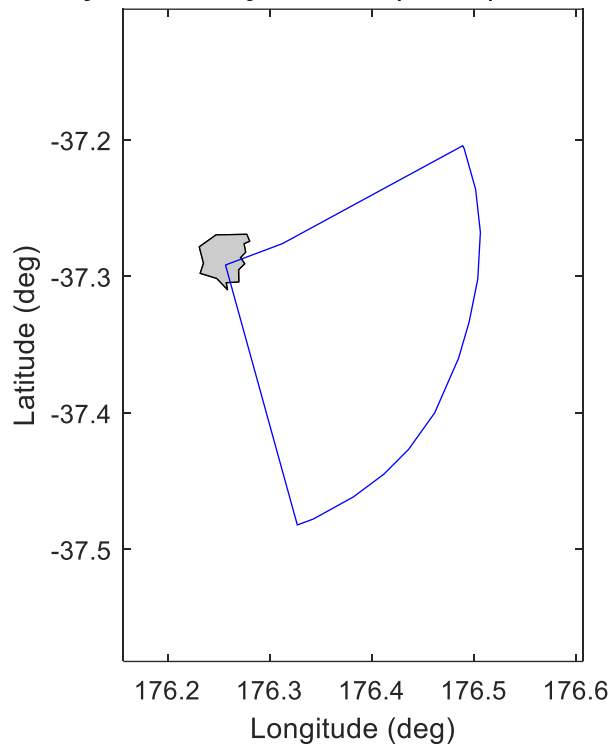


Deaggregation of Section:44, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.92 m

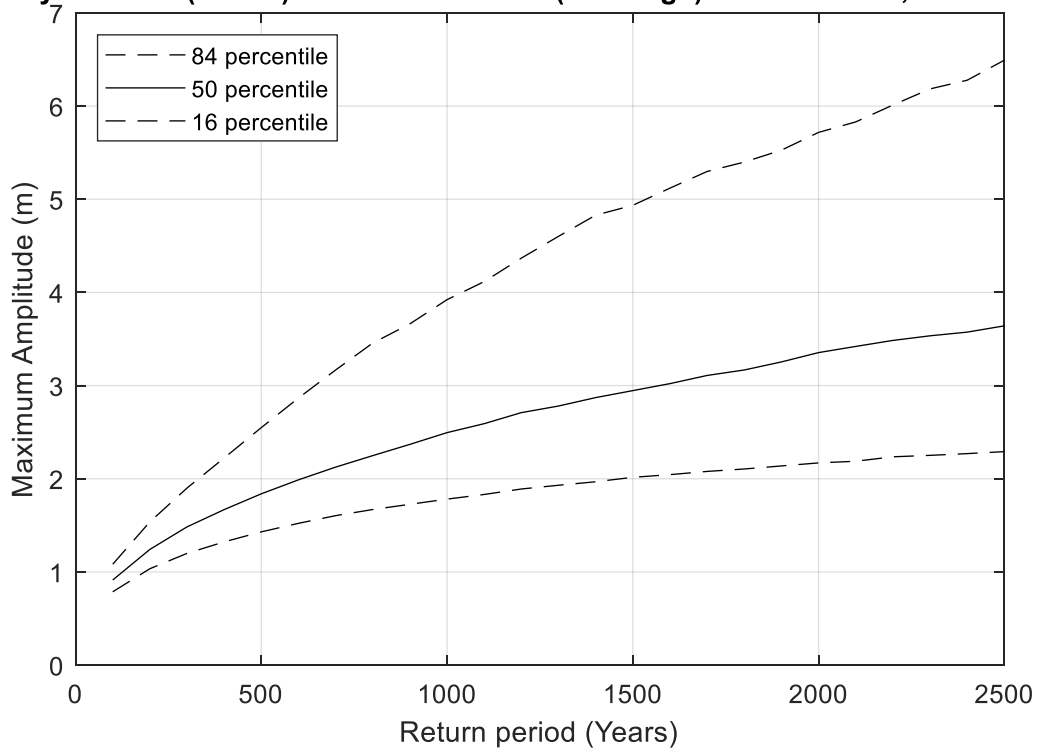


**A1.45 Coastal Section 45: Mayor Island (Tuhua) – Ruakikeno Point (Tauranga)**

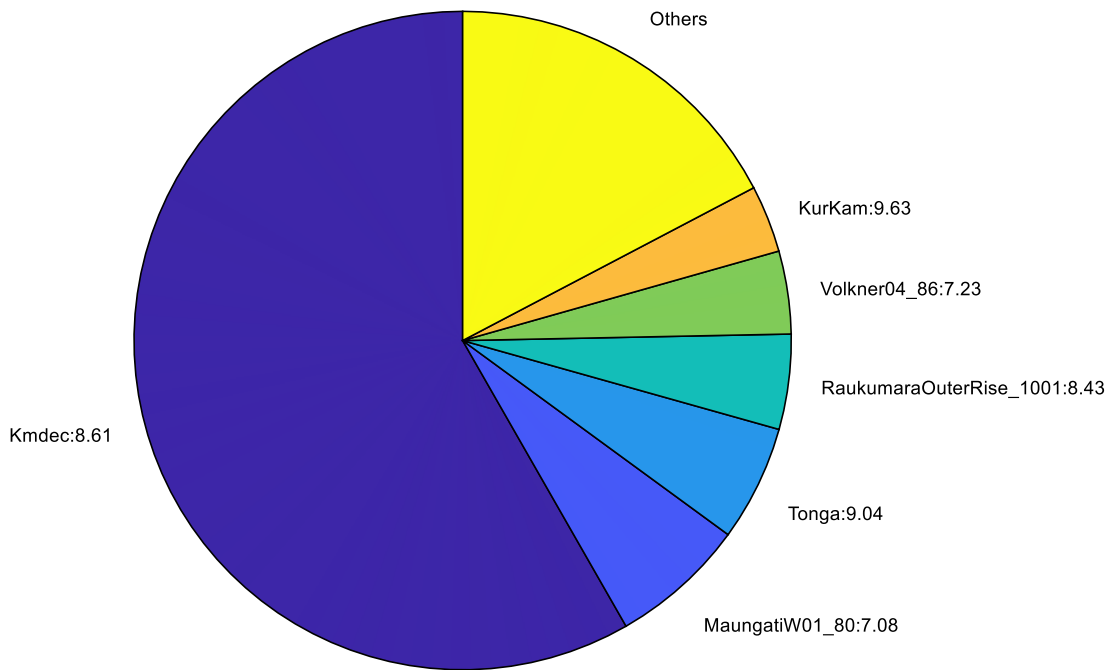
**Western Bay of Plenty Coast, Mayor Island (Tuhua) - Ruakikeno Point (Tauranga)**



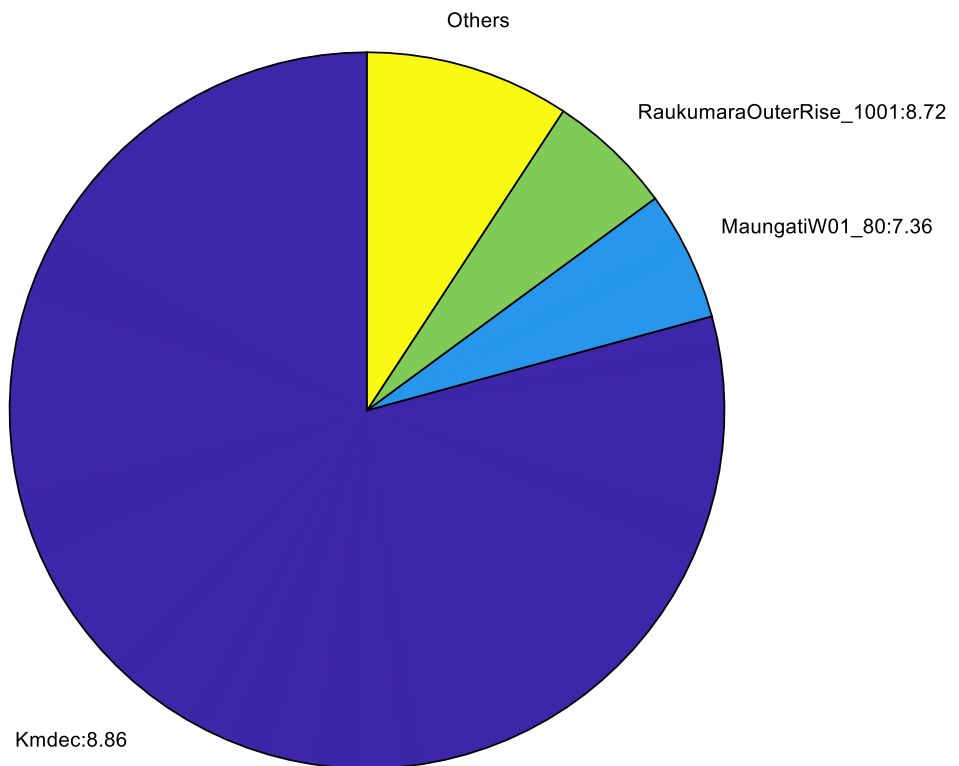
**Mayor Island (Tuhua) - Ruakikeno Point (Tauranga) Hazard Curve, section #45**



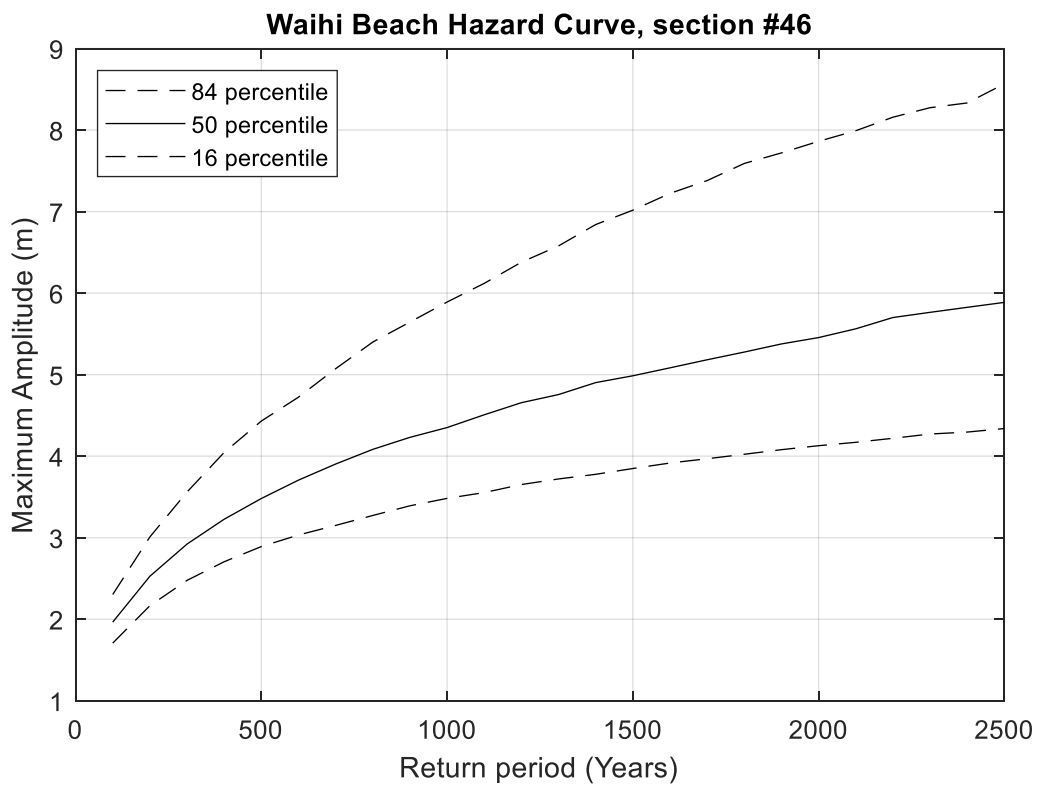
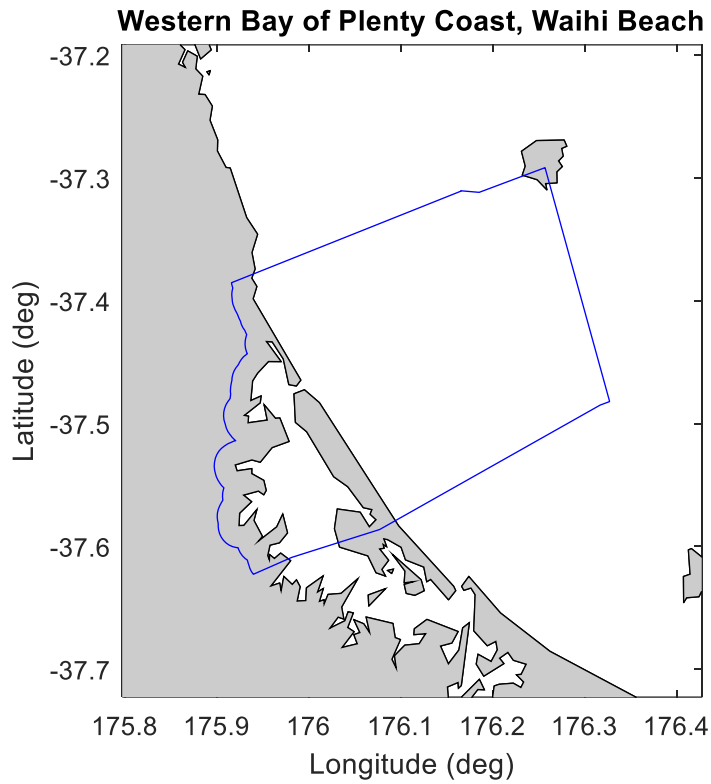
Deaggregation of Section:45, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:1.84 m



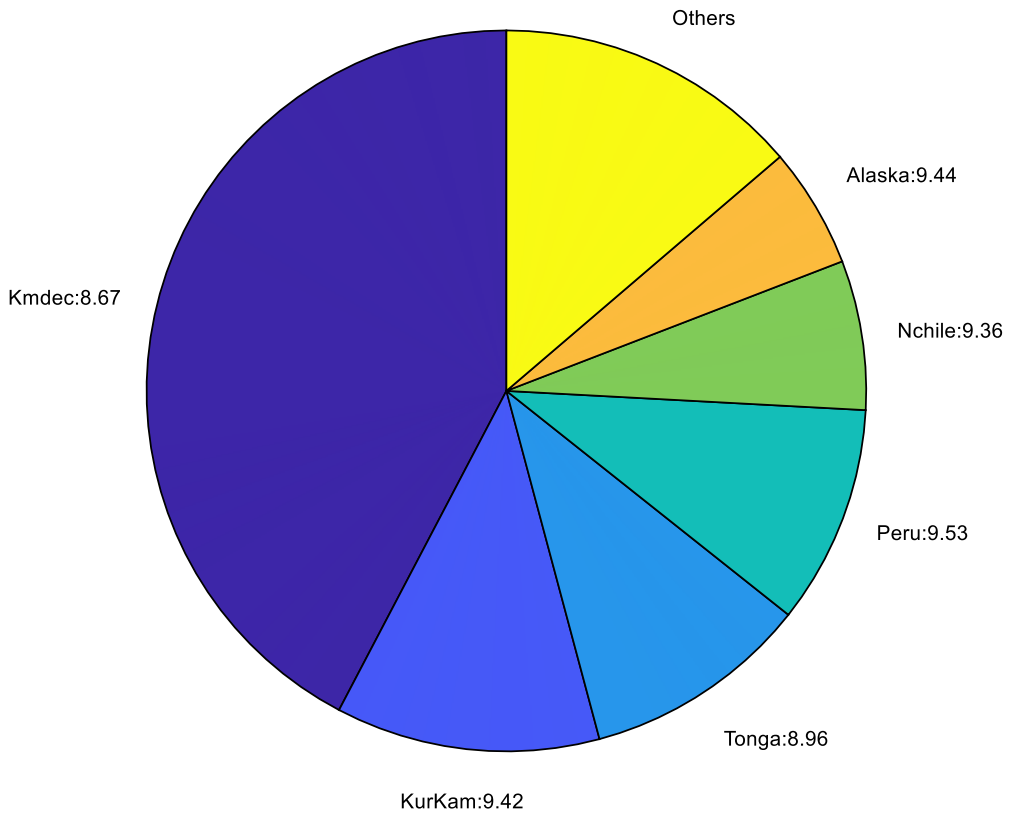
Deaggregation of Section:45, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.63 m



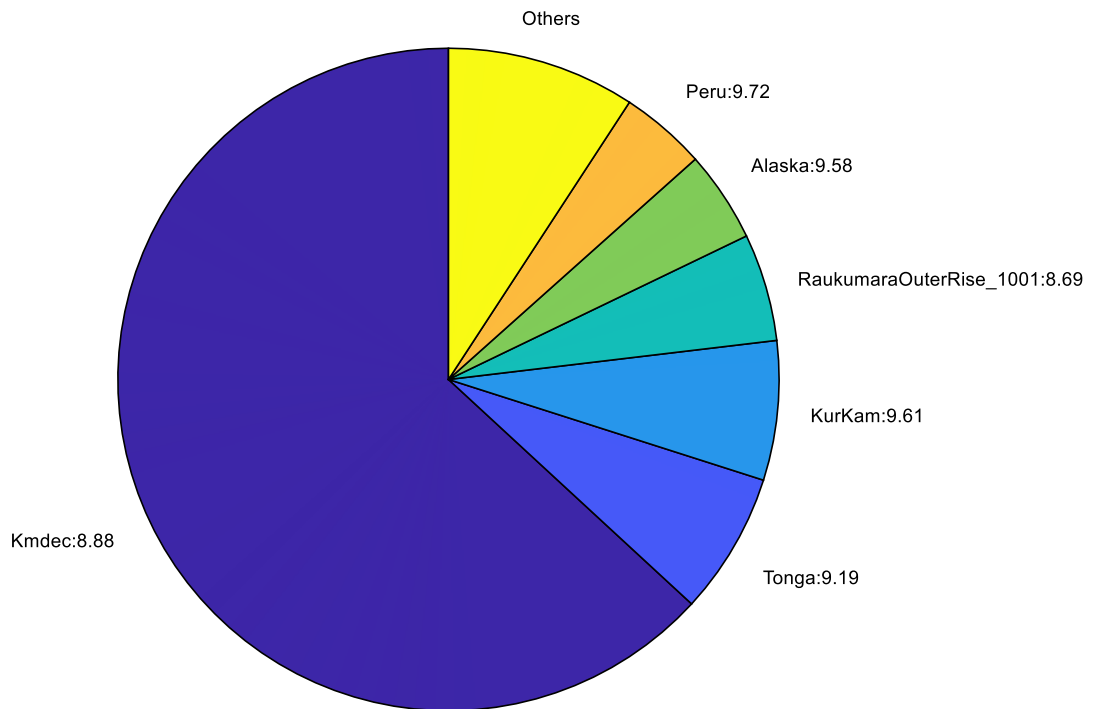
### A1.46 Coastal Section 46: Waihi Beach



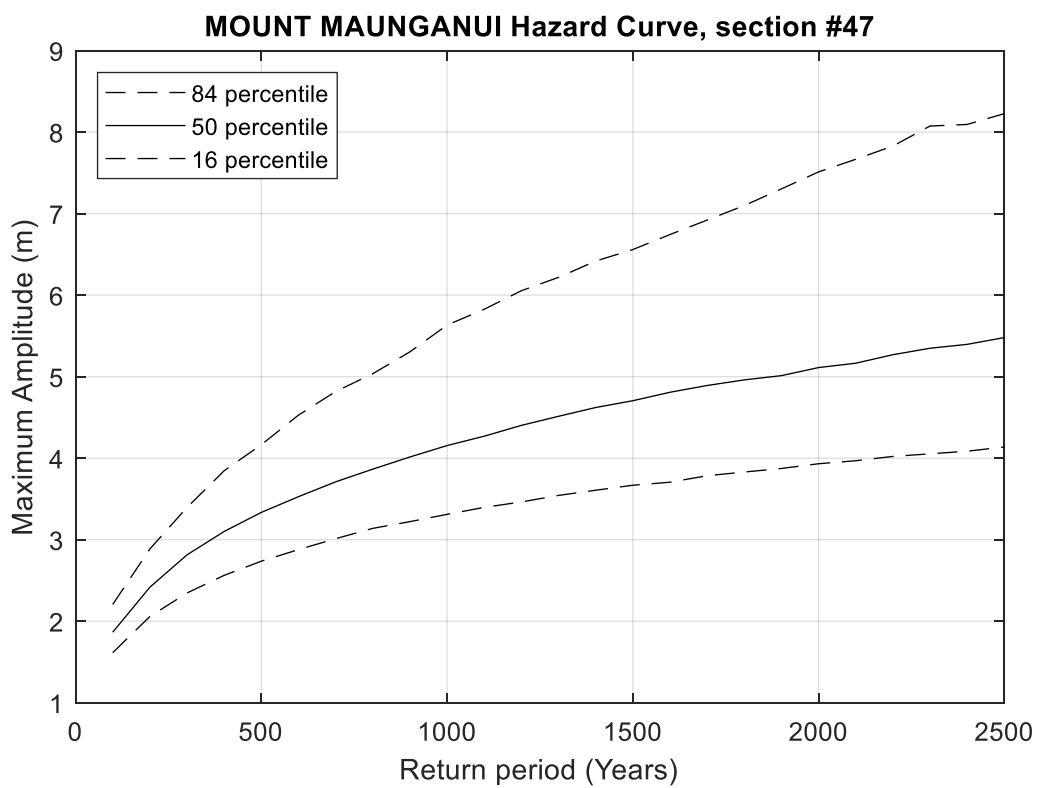
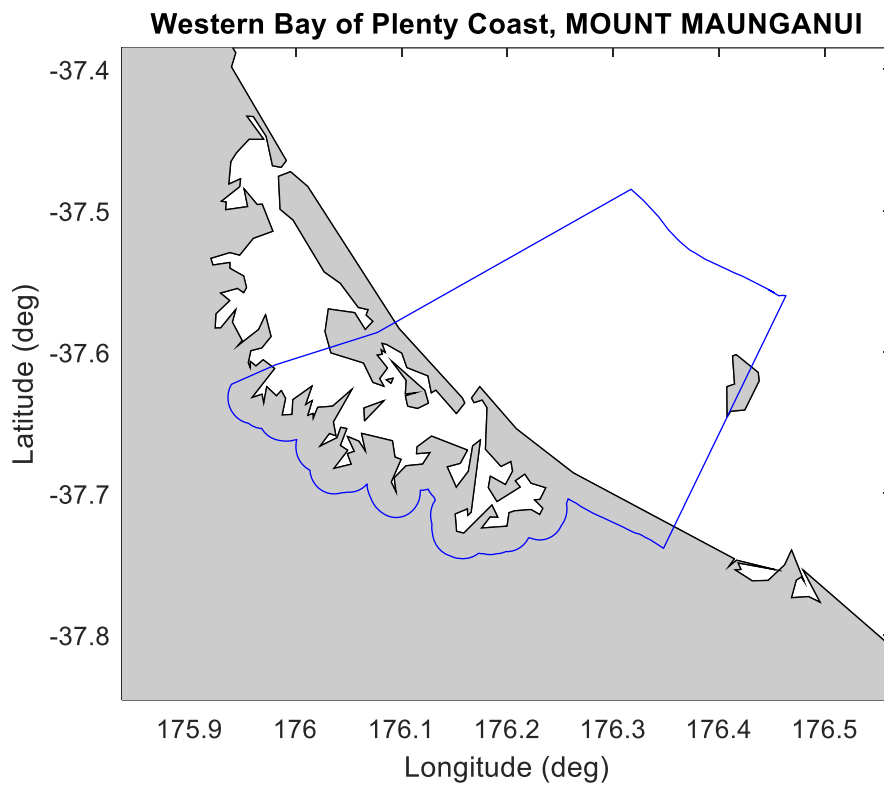
Deaggregation of Section:46, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.48 m



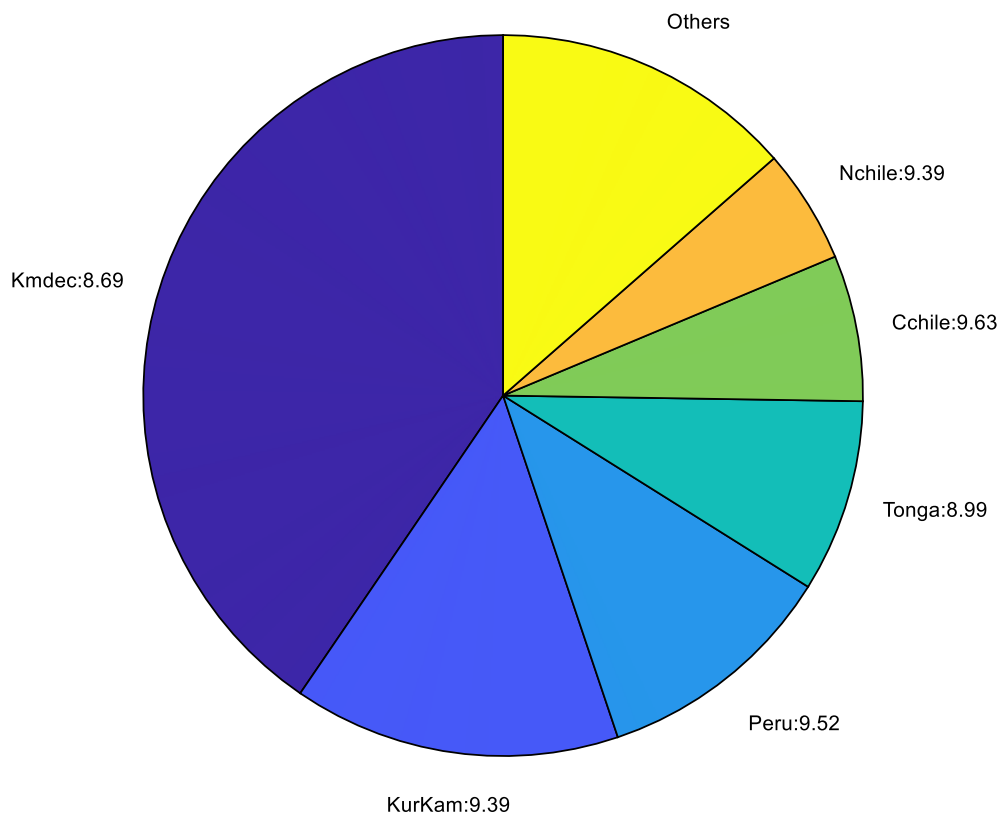
Deaggregation of Section:46, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.88 m



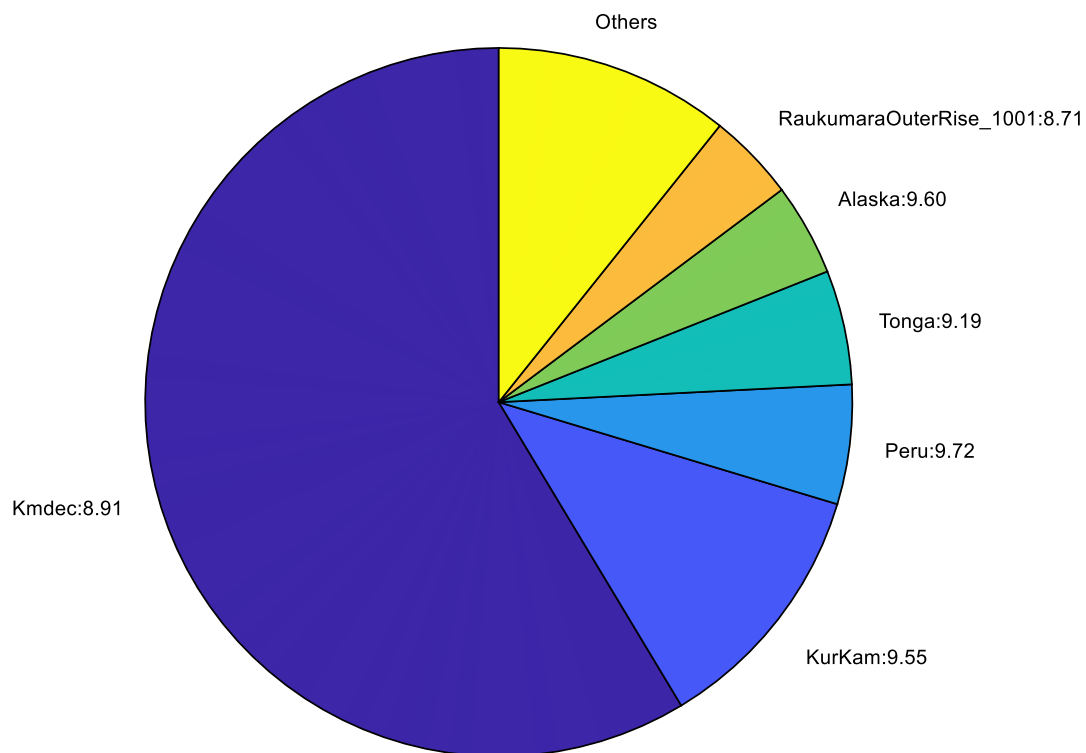
### A1.47 Coastal Section 47: Mount Maunganui



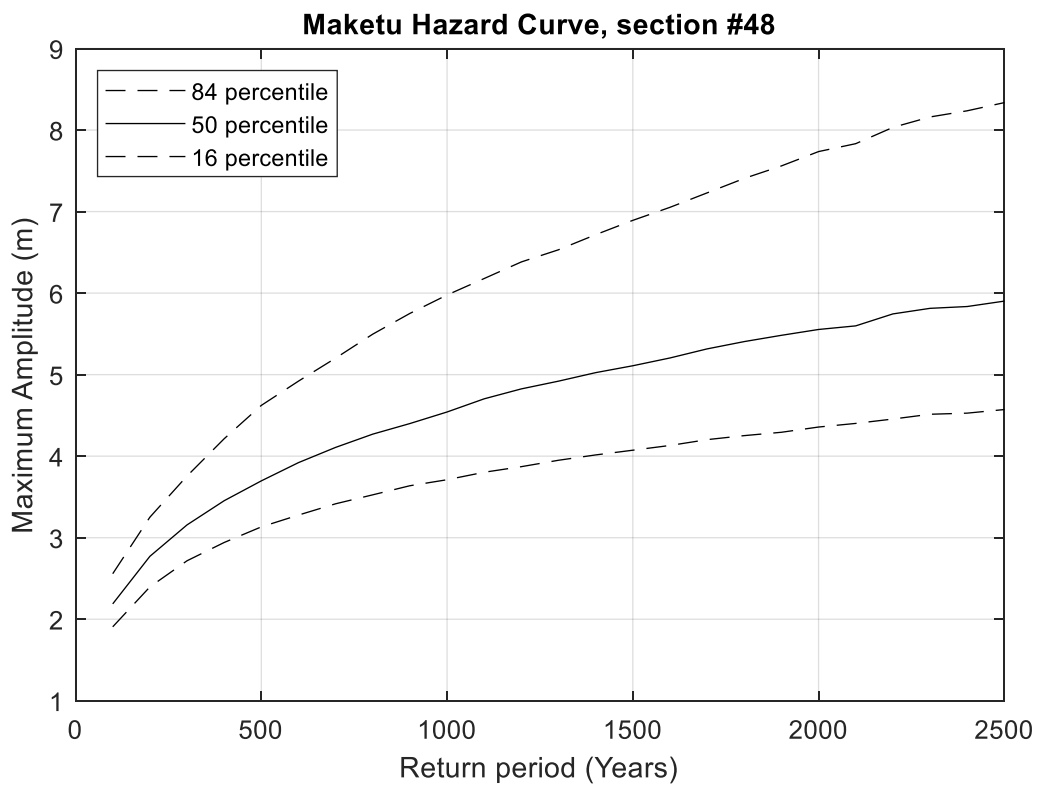
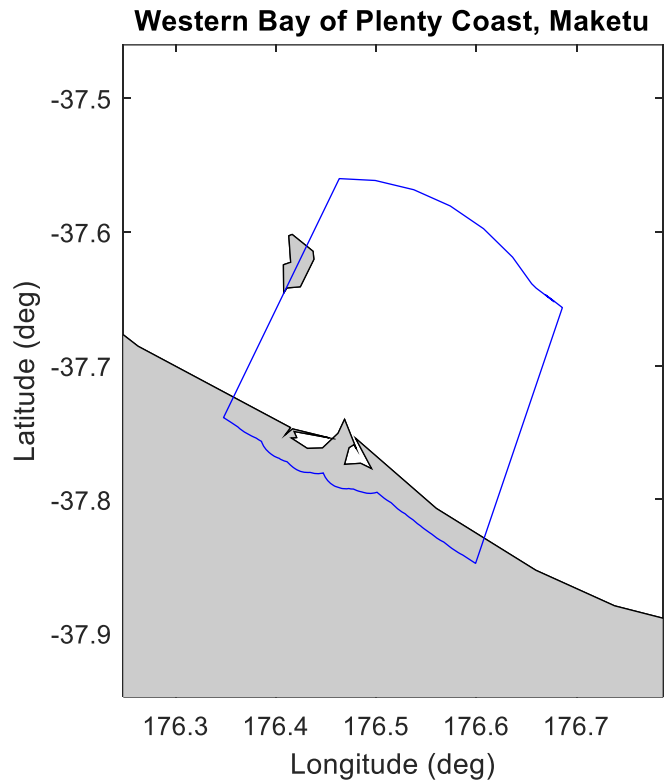
Deaggregation of Section:47, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.33 m



Deaggregation of Section:47, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.48 m

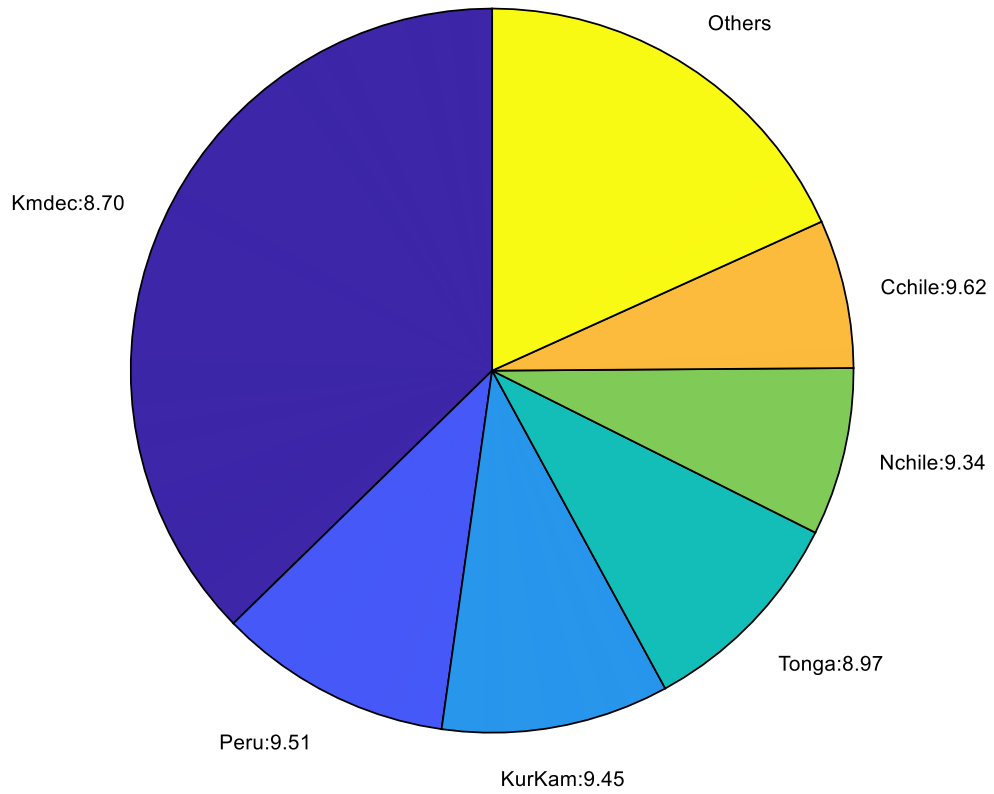


**A1.48 Coastal Section 48: Maketu**

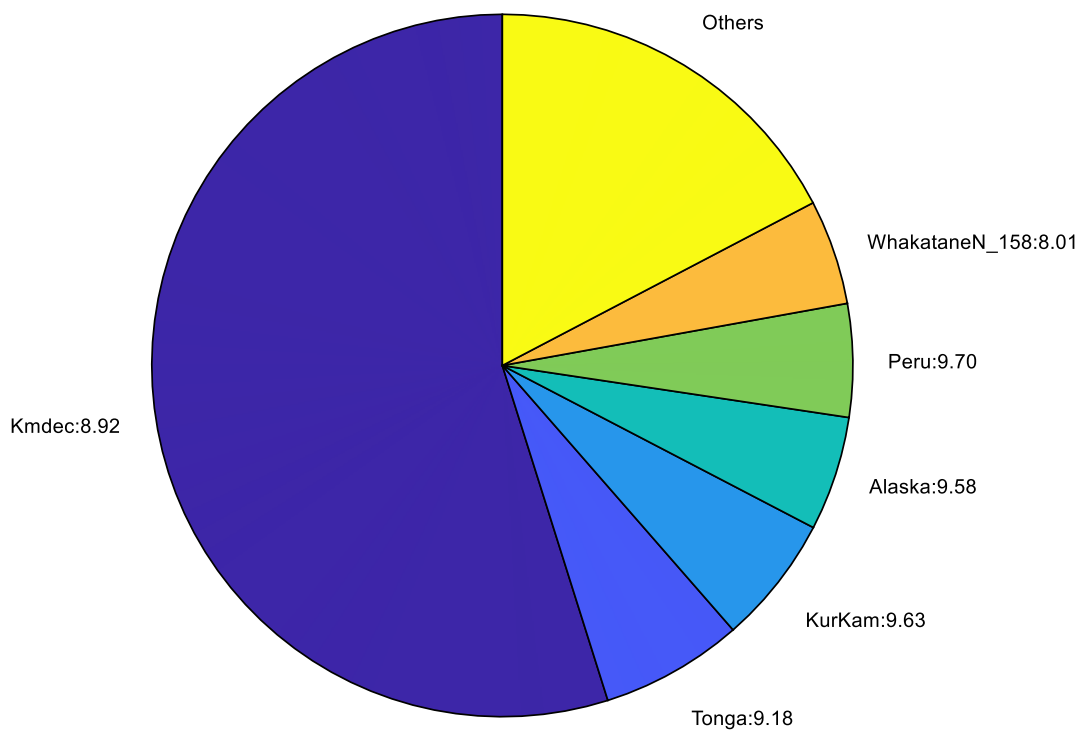




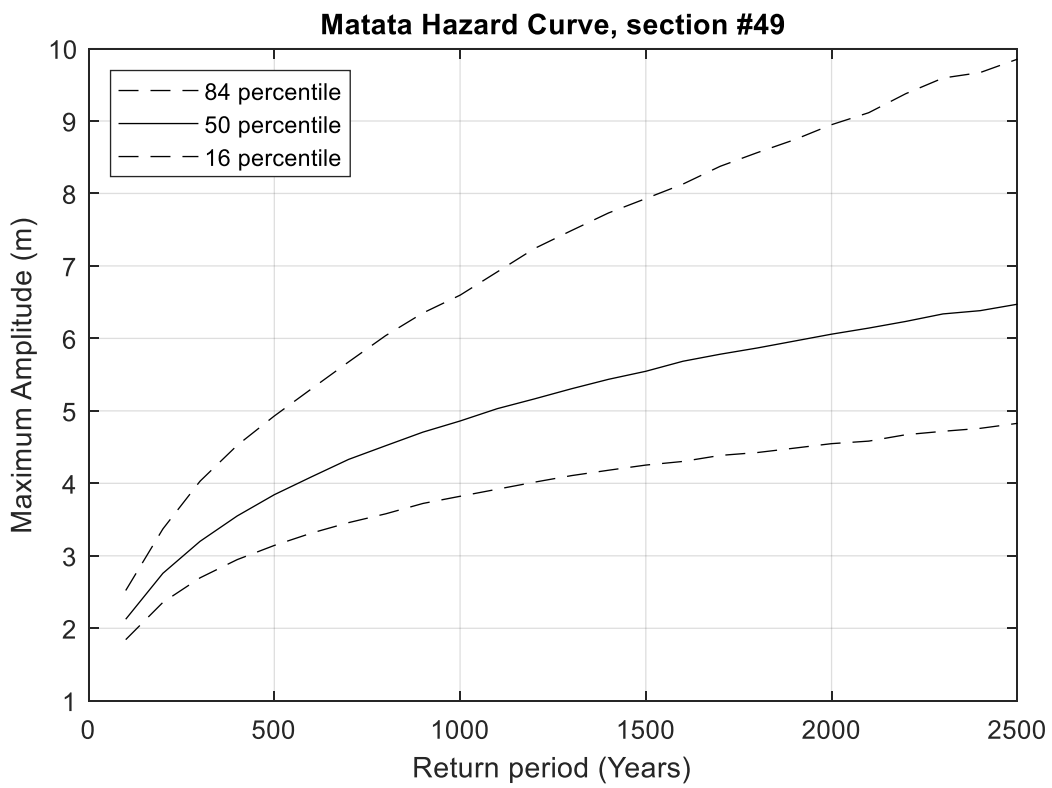
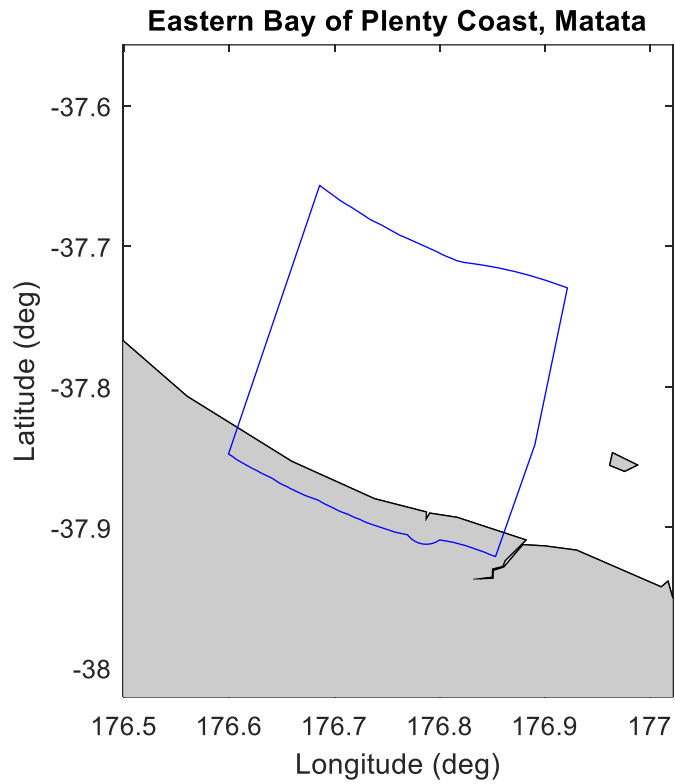
Deaggregation of Section:48, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.69 m



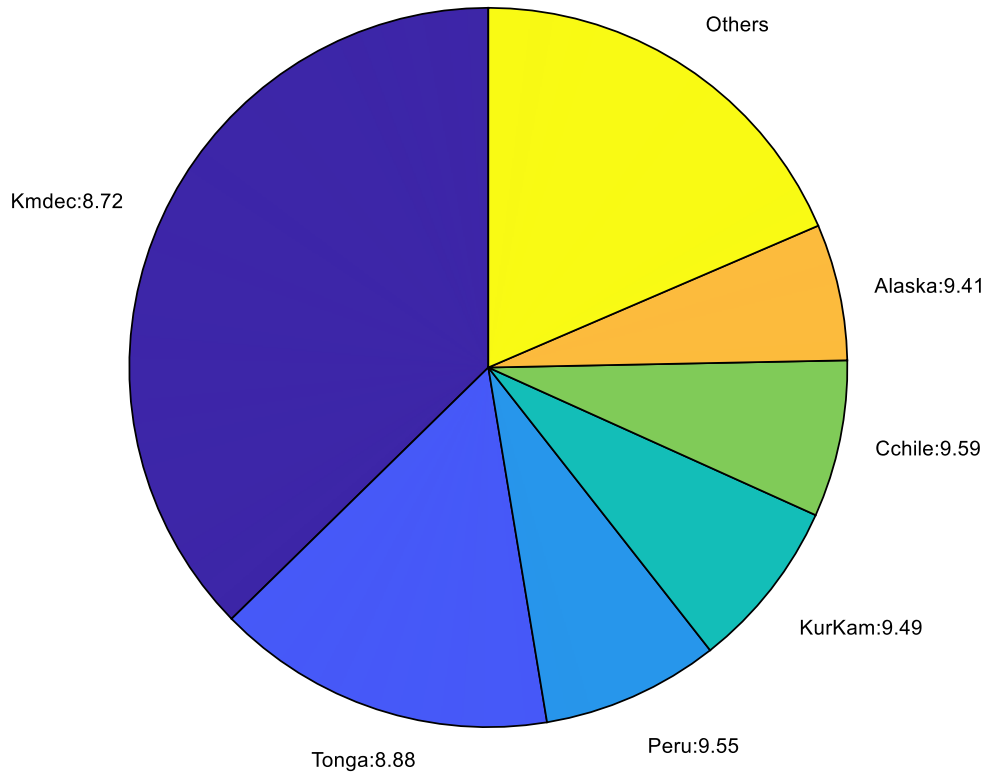
Deaggregation of Section:48, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.90 m



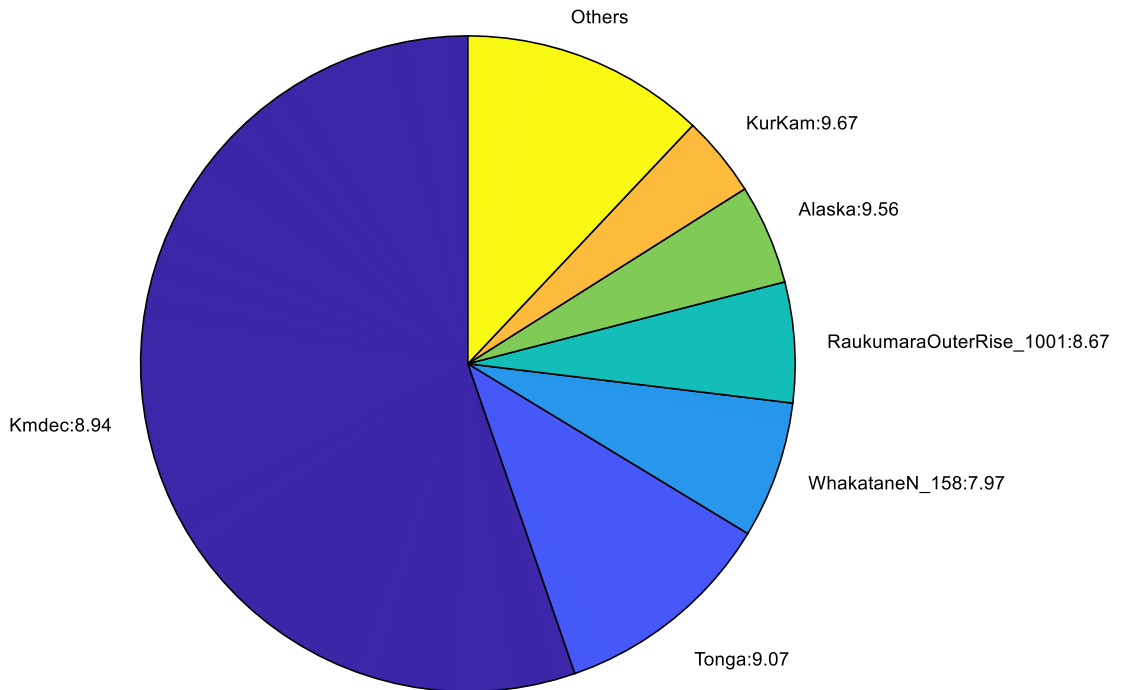
**A1.49 Coastal Section 49: Matatā**



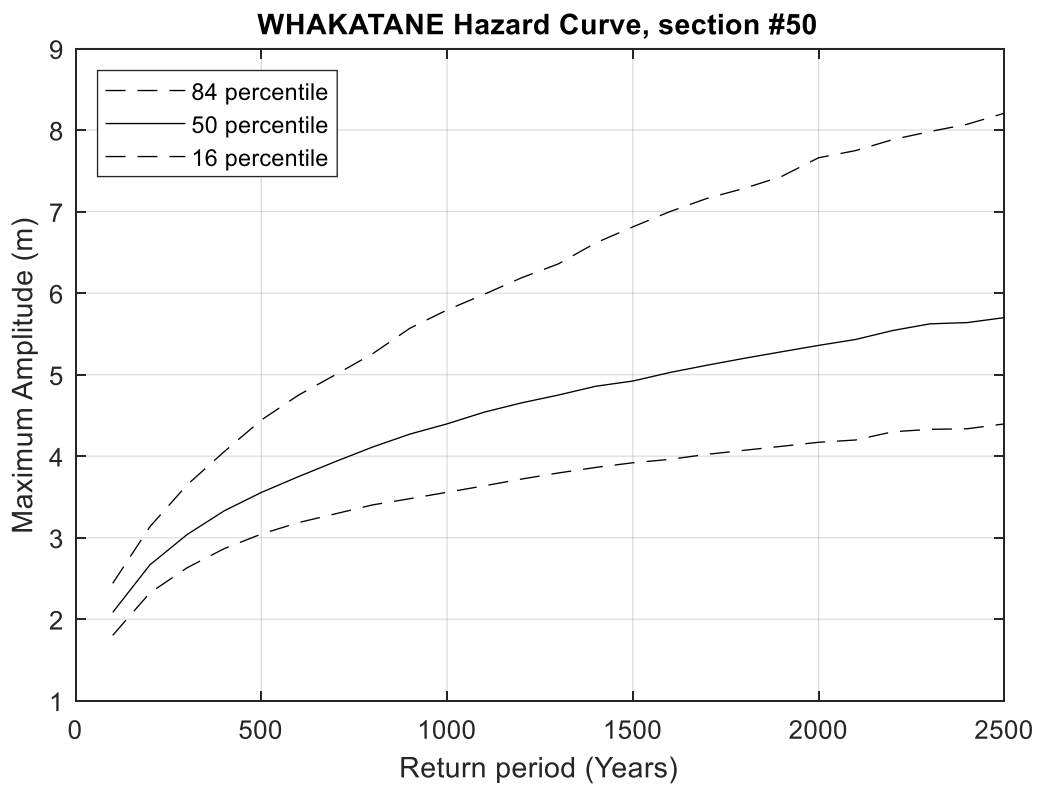
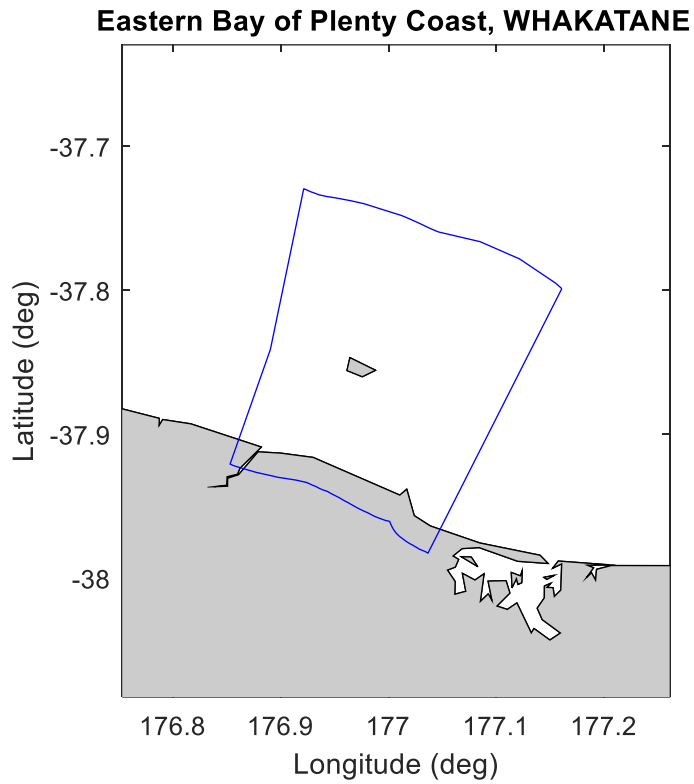
Deaggregation of Section:49, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.84 m



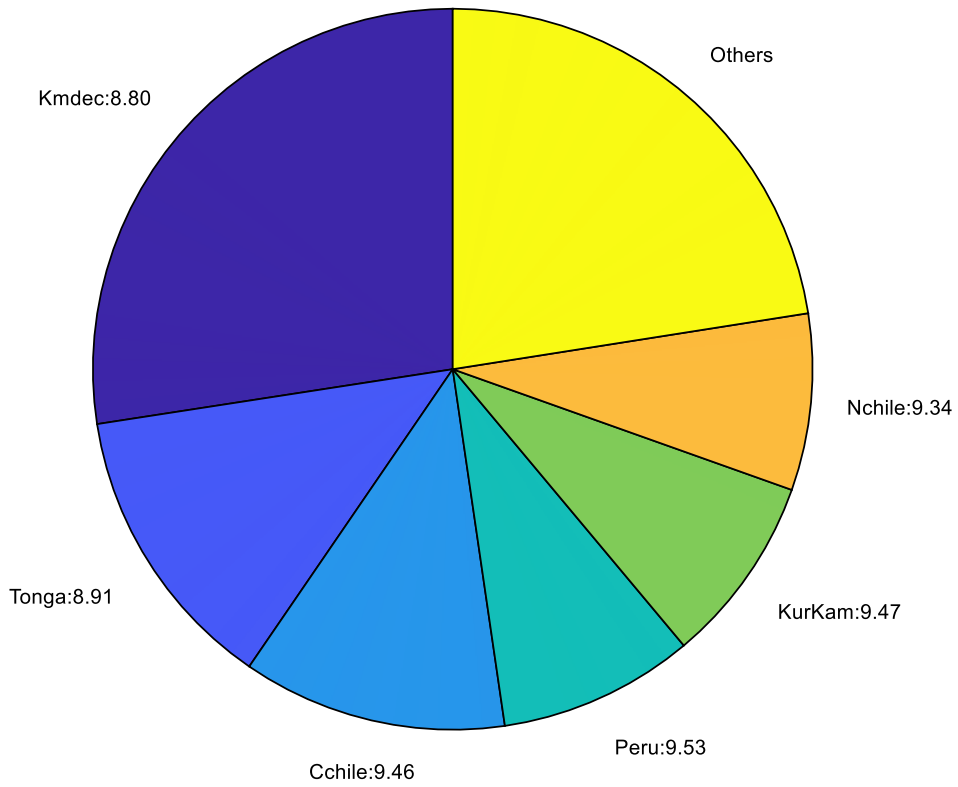
Deaggregation of Section:49, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.47 m



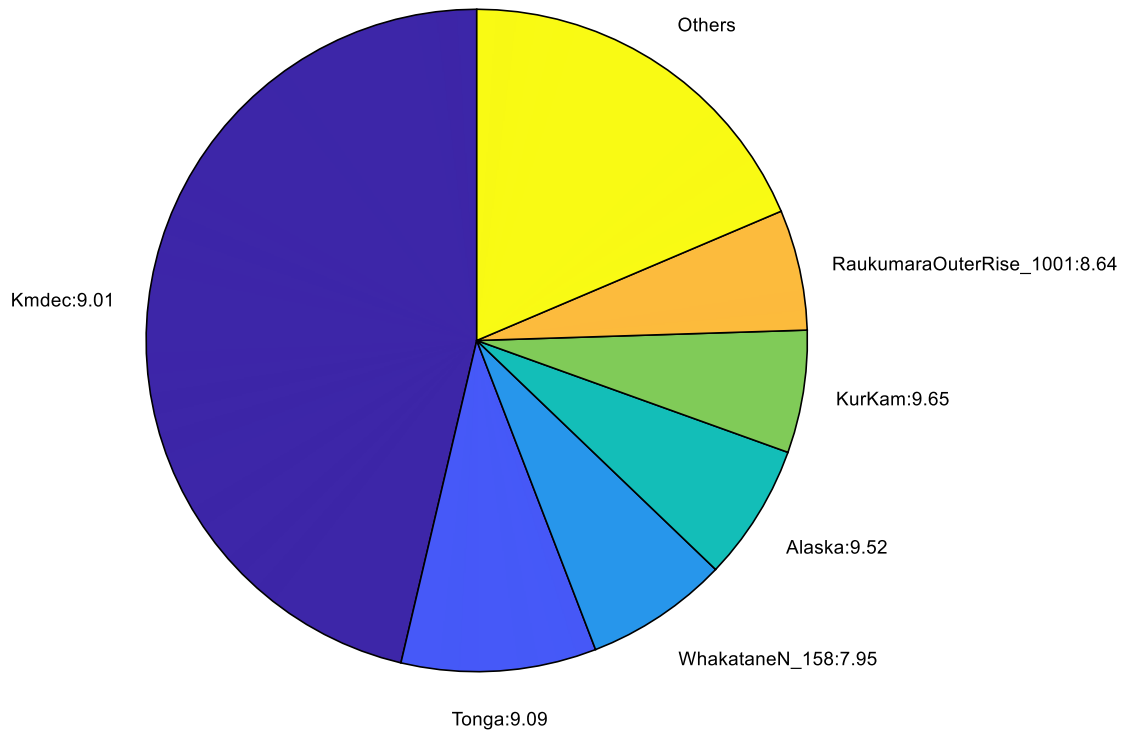
## A1.50 Coastal Section 50: Whakatāne



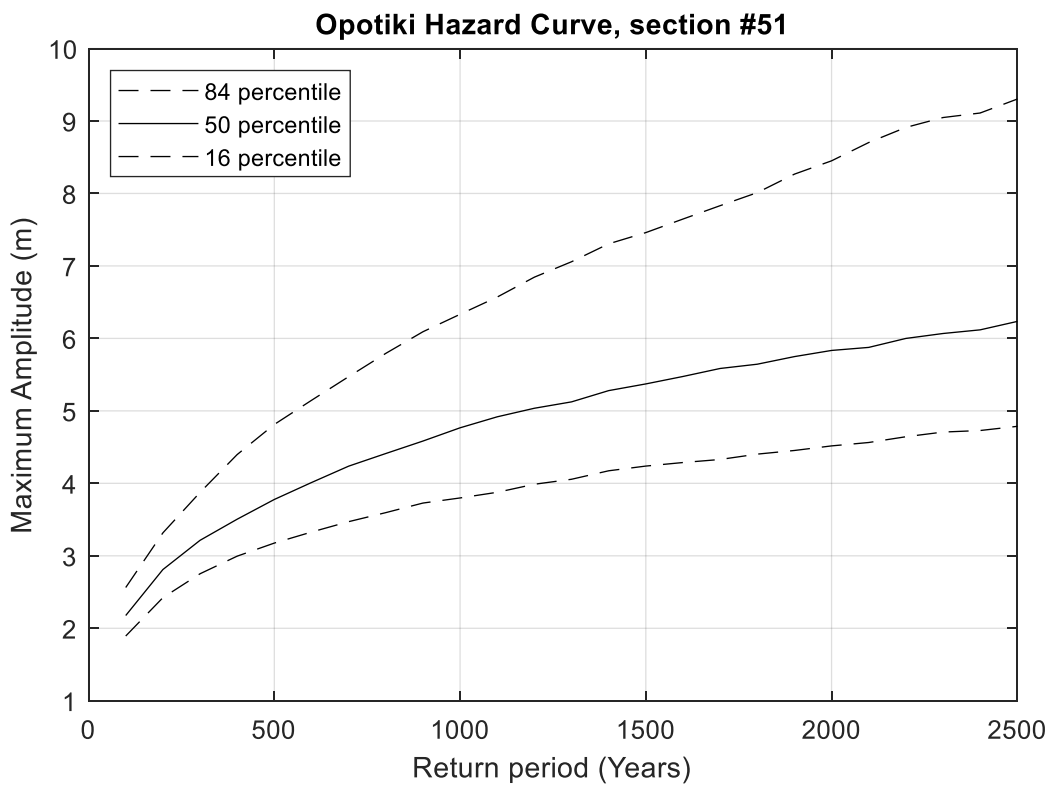
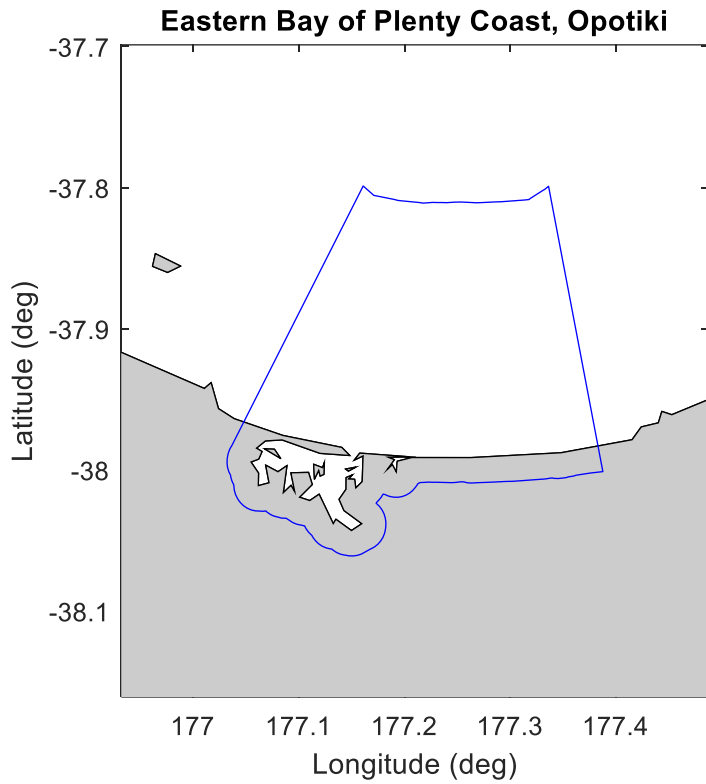
Deaggregation of Section:50, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.55 m



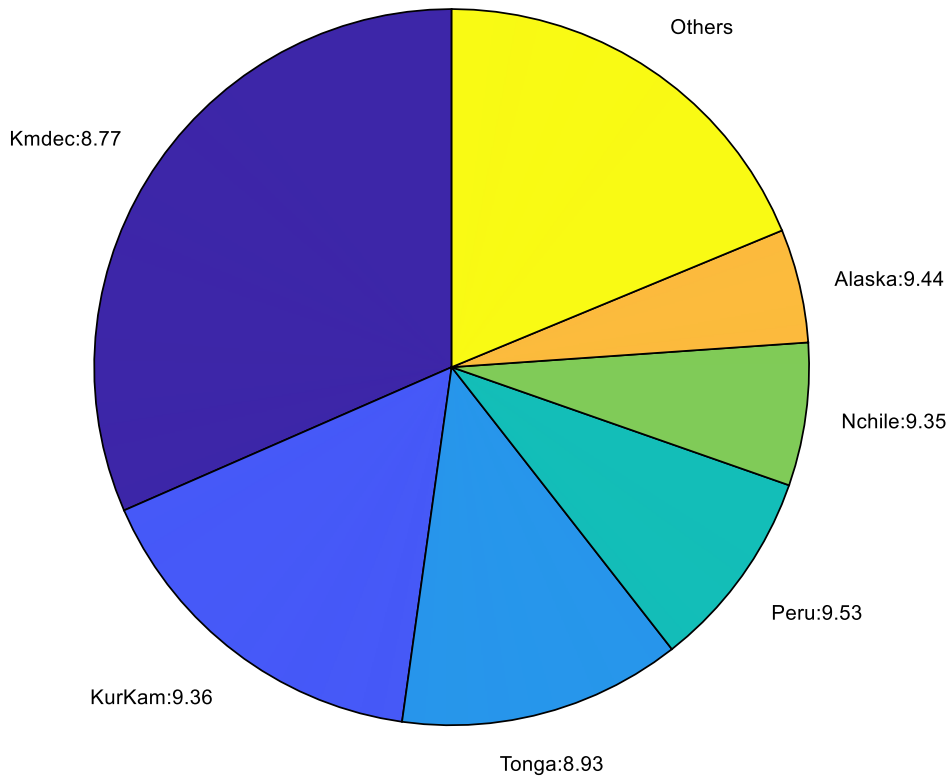
Deaggregation of Section:50, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.69 m



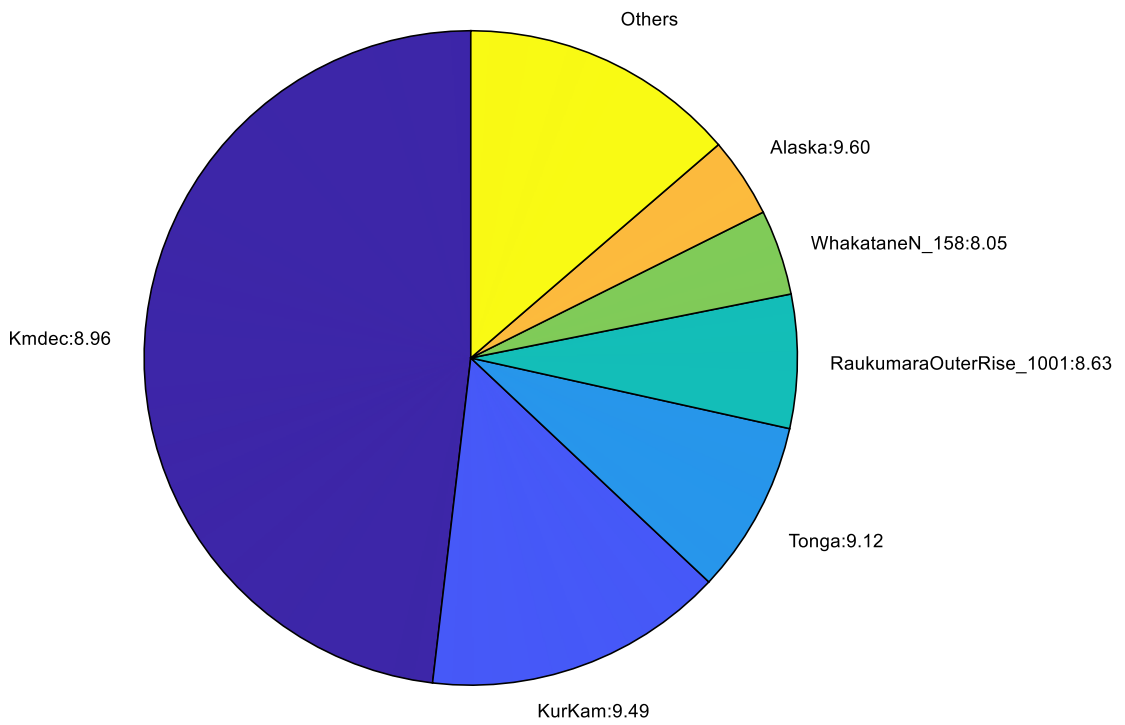
### A1.51 Coastal Section 51: Opotiki



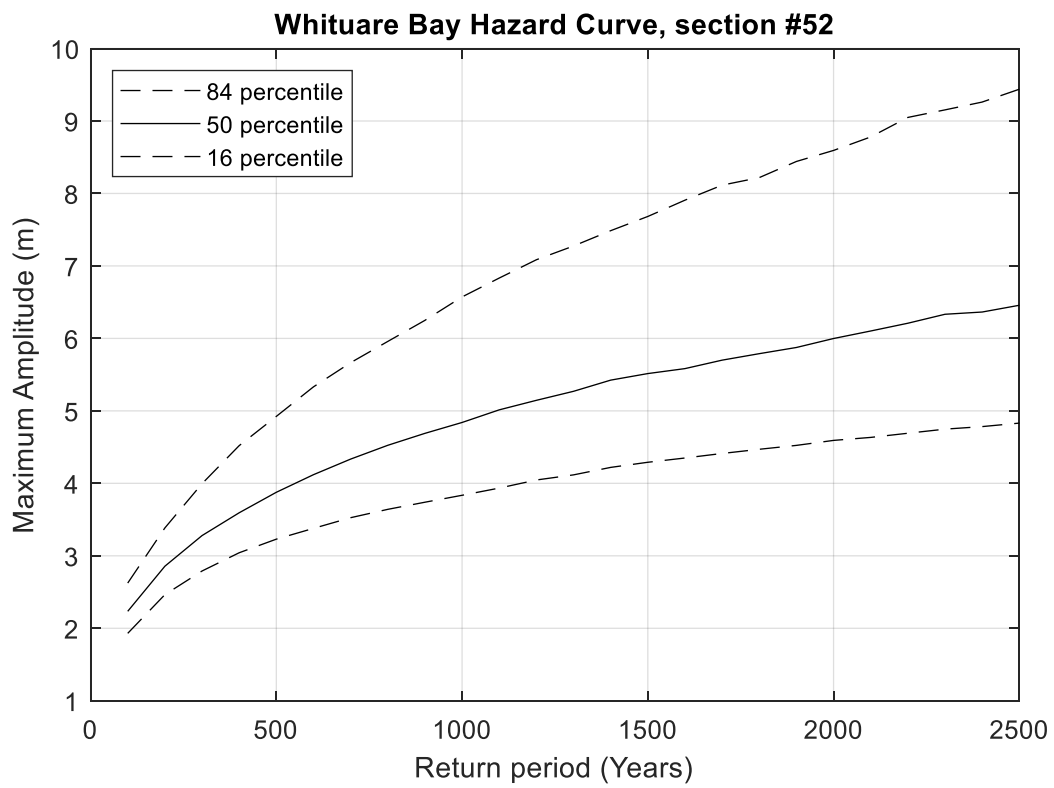
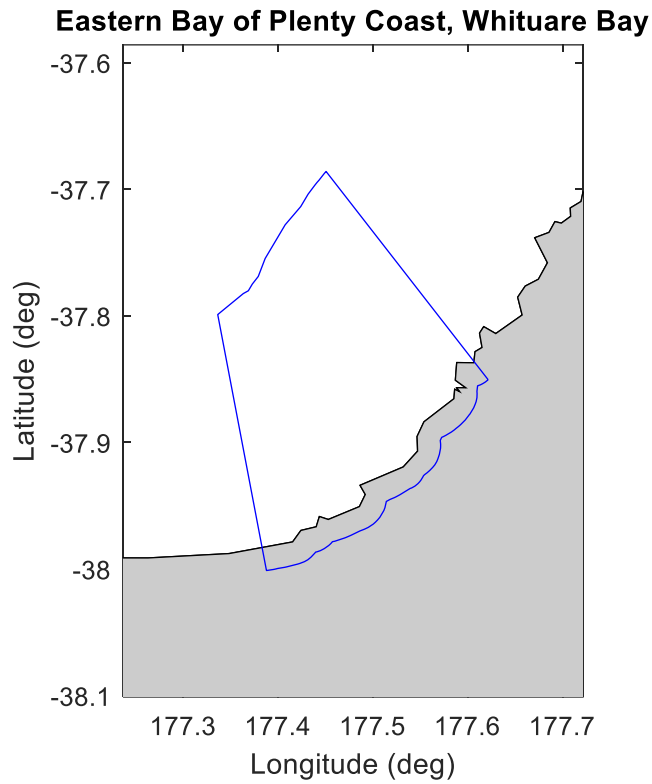
Deaggregation of Section:51, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.78 m



Deaggregation of Section:51, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.23 m

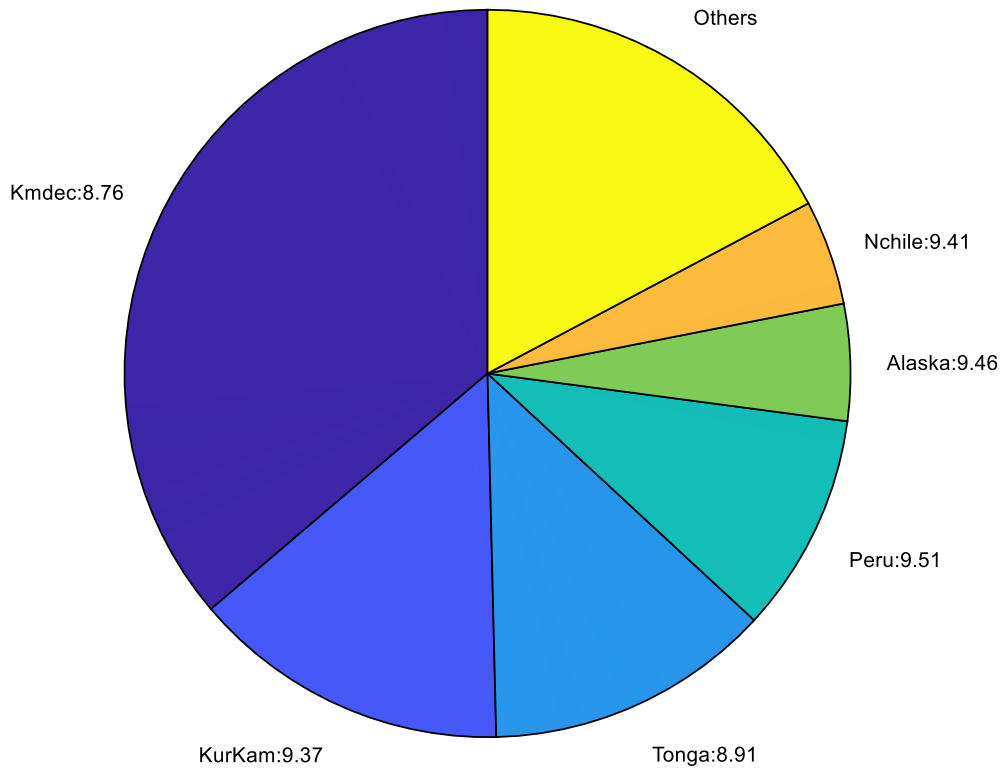


## A1.52 Coastal Section 52: Whituare Bay

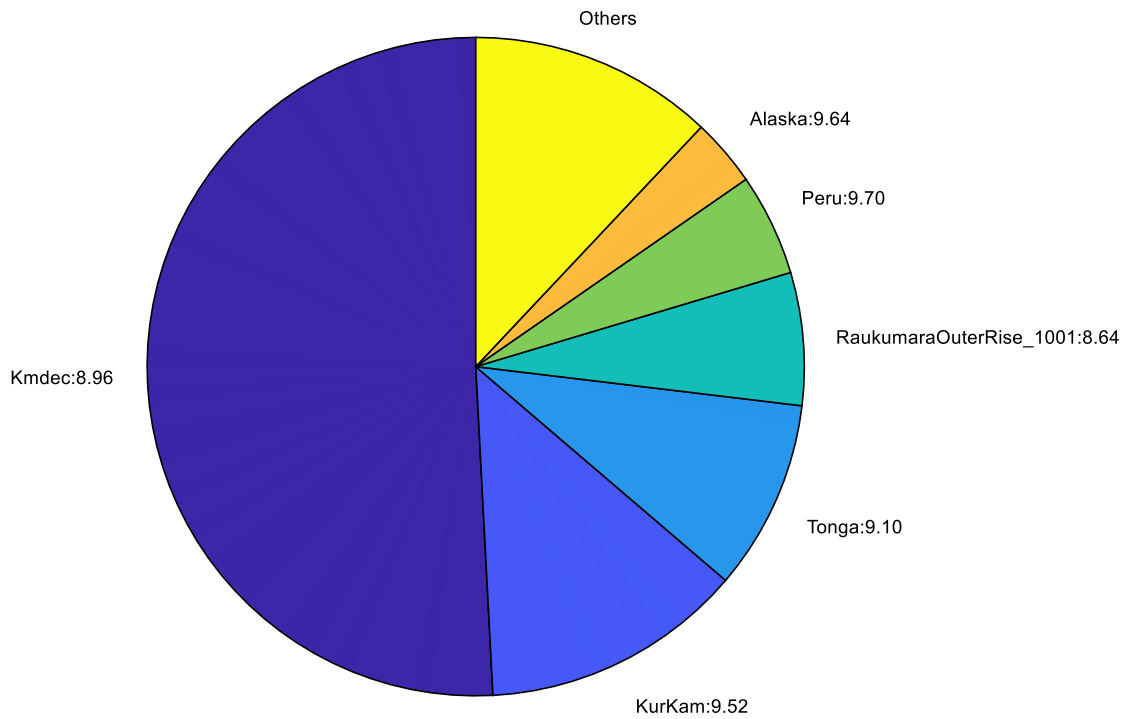




**Deaggregation of Section:52, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.87 m**

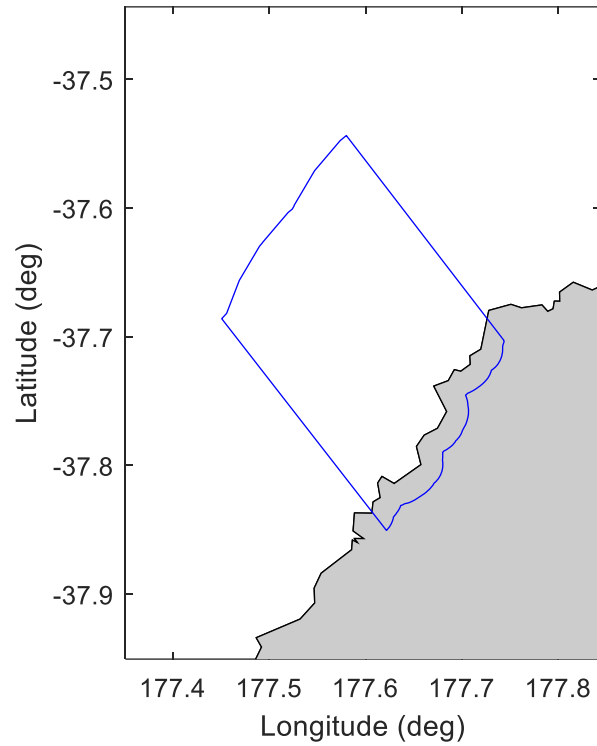


**Deaggregation of Section:52, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.45 m**

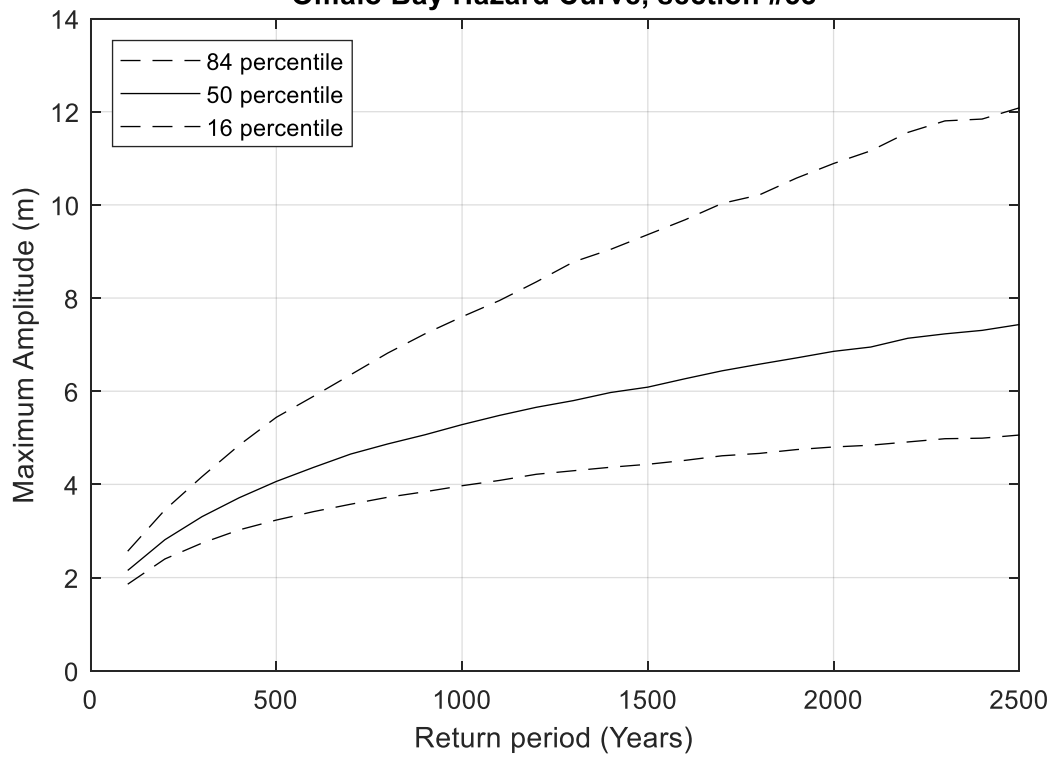


### A1.53 Coastal Section 53: Omaio Bay

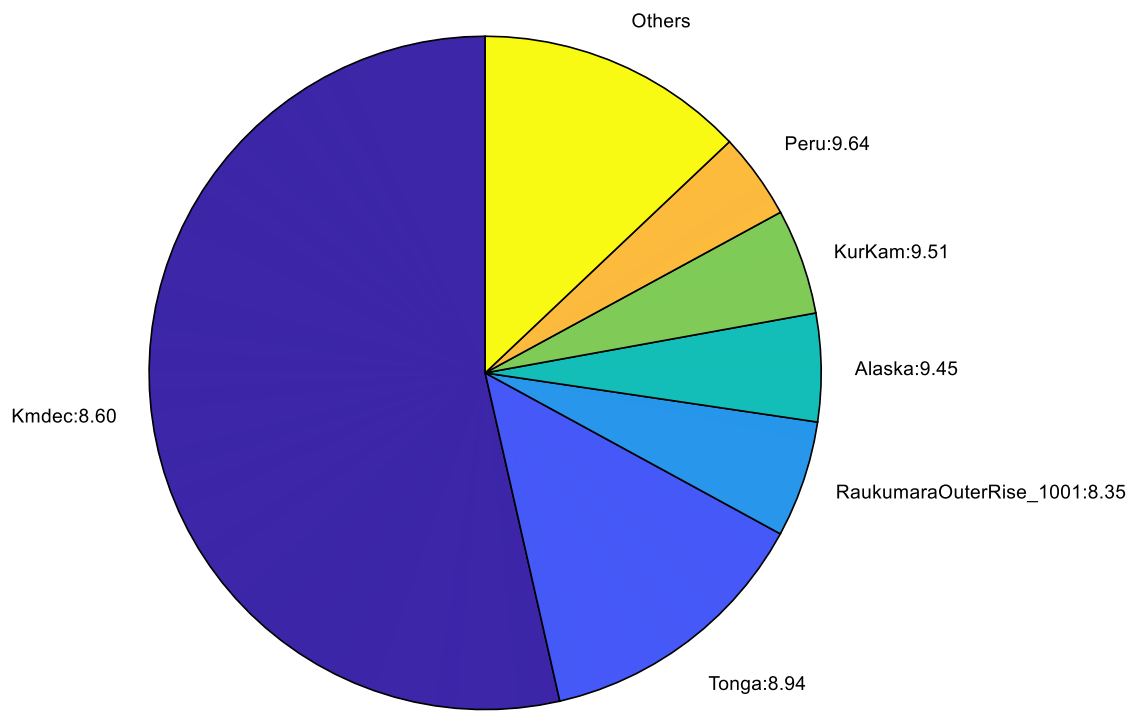
Eastern Bay of Plenty Coast, Omaio Bay



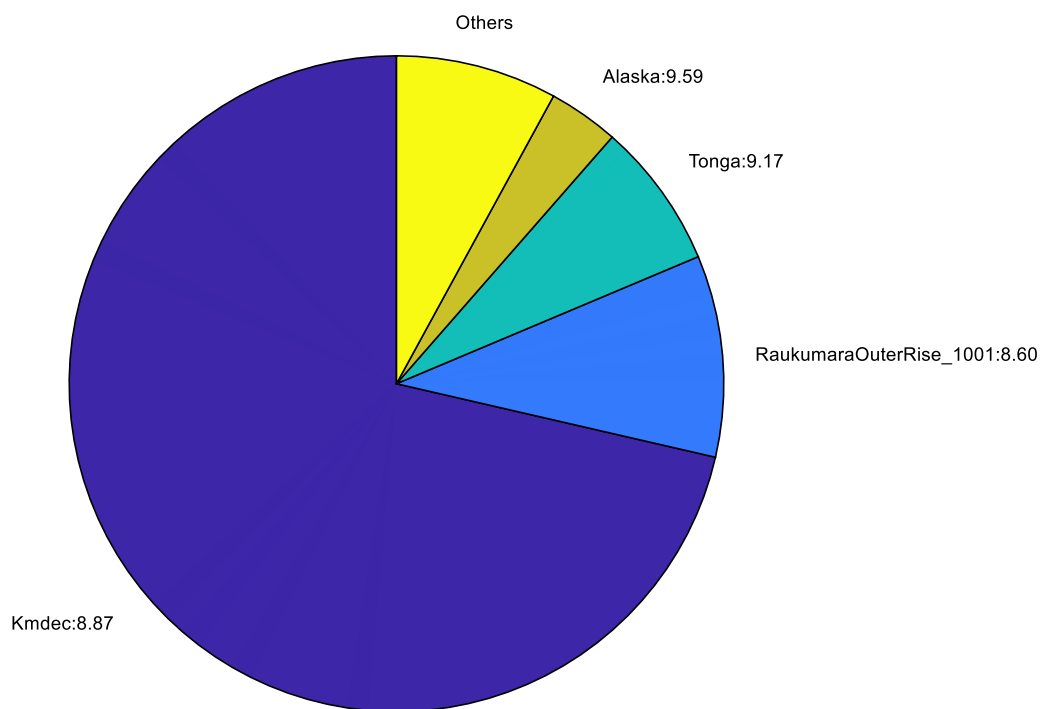
Omaio Bay Hazard Curve, section #53



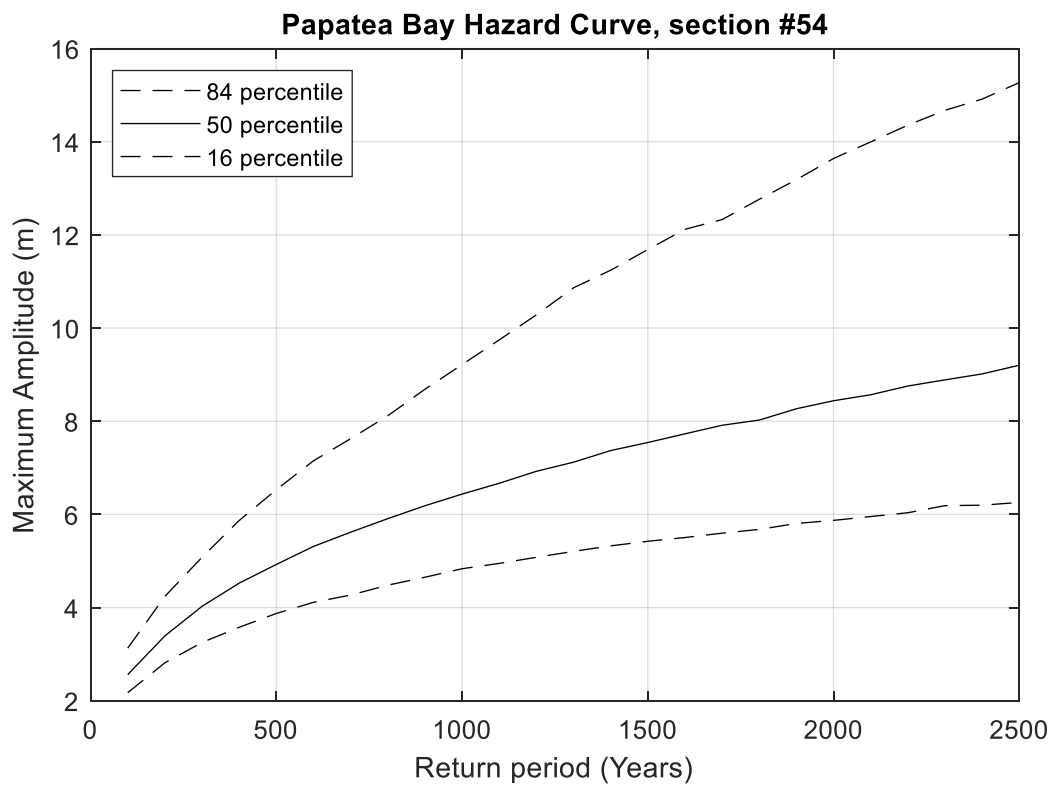
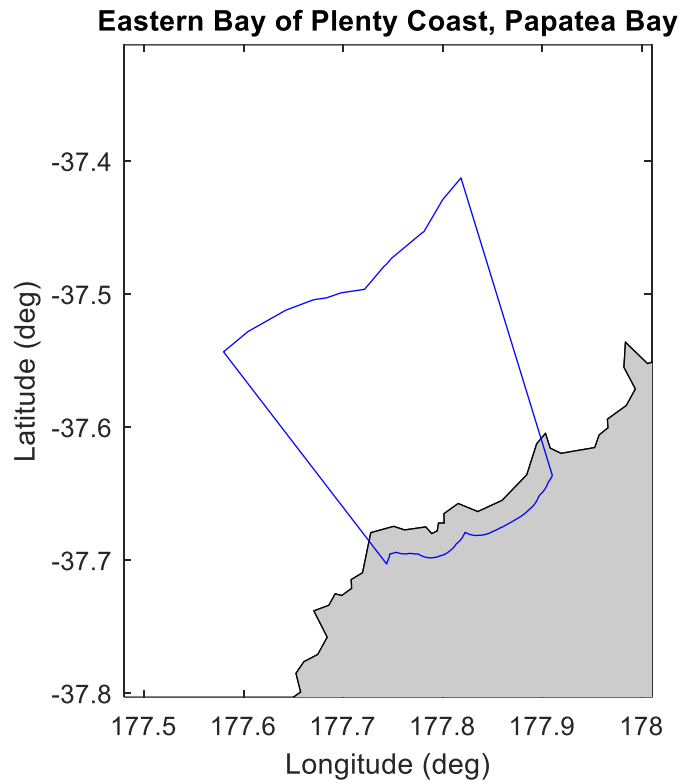
Deaggregation of Section:53, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.06 m



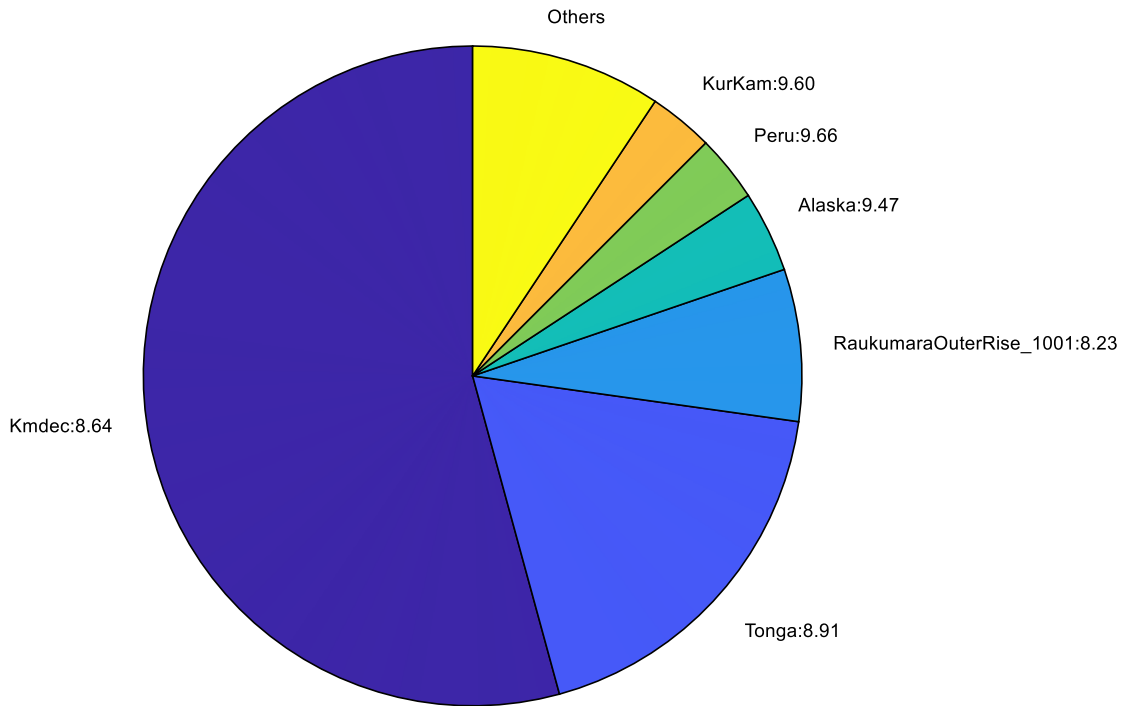
Deaggregation of Section:53, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.43 m



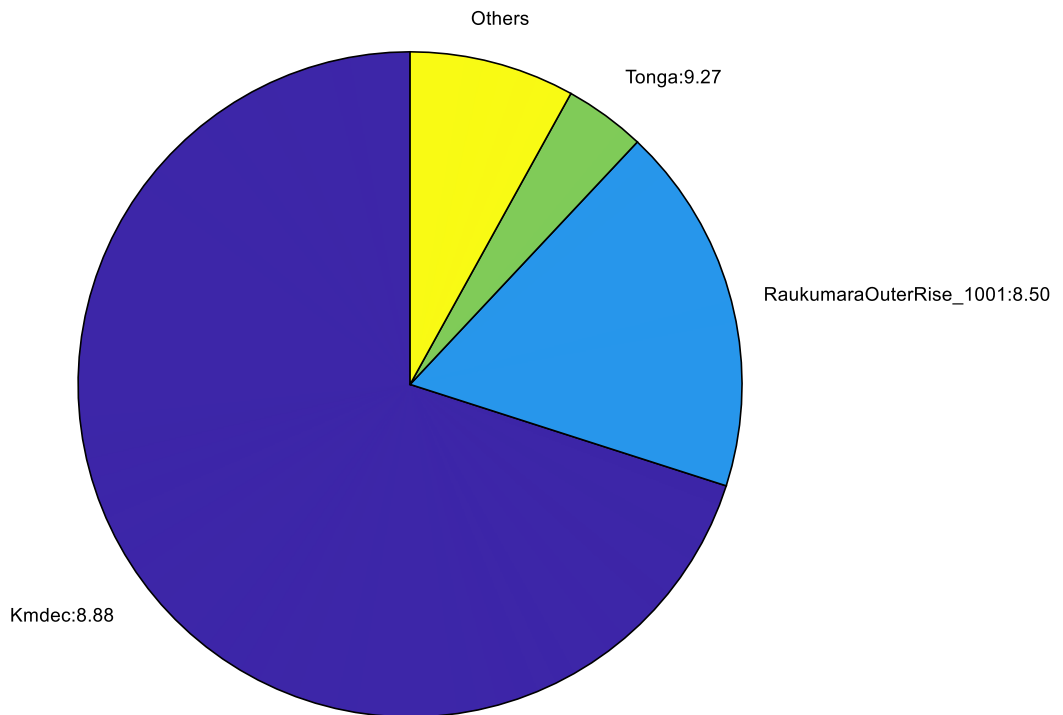
## A1.54 Coastal Section 54: Papatea Bay



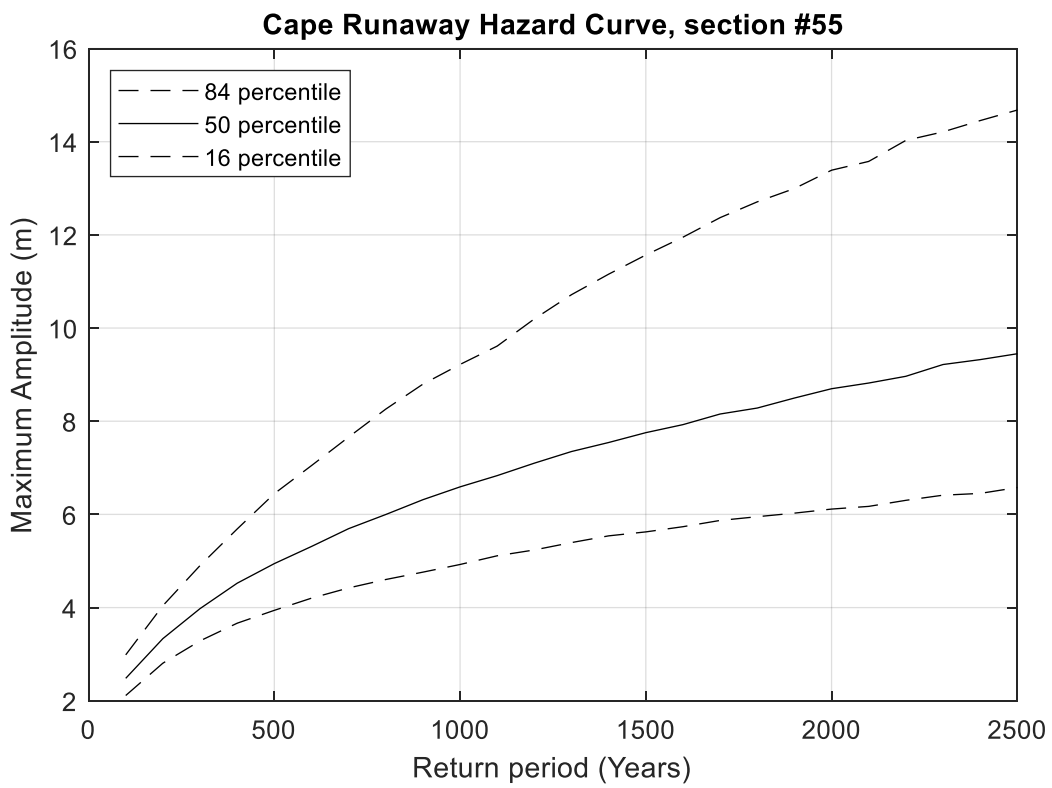
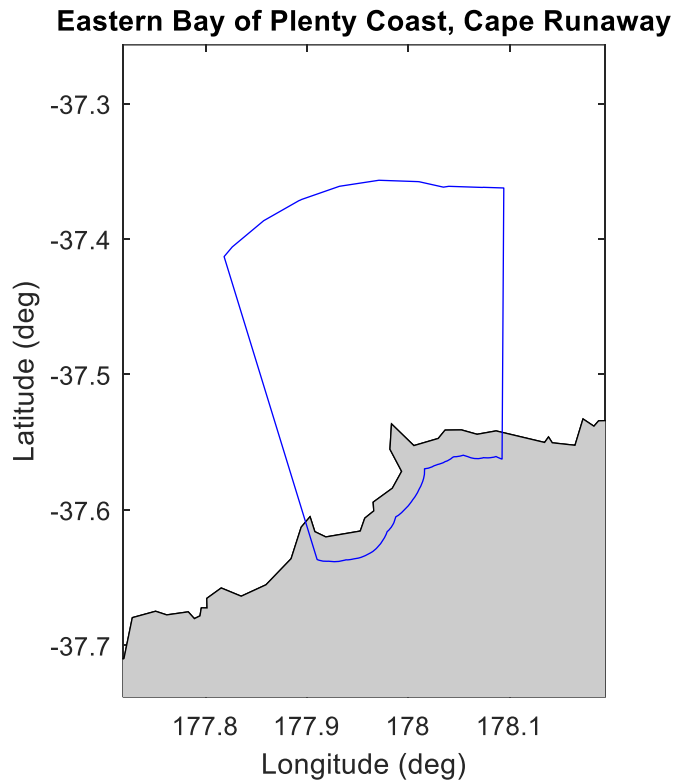
Deaggregation of Section:54, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.92 m



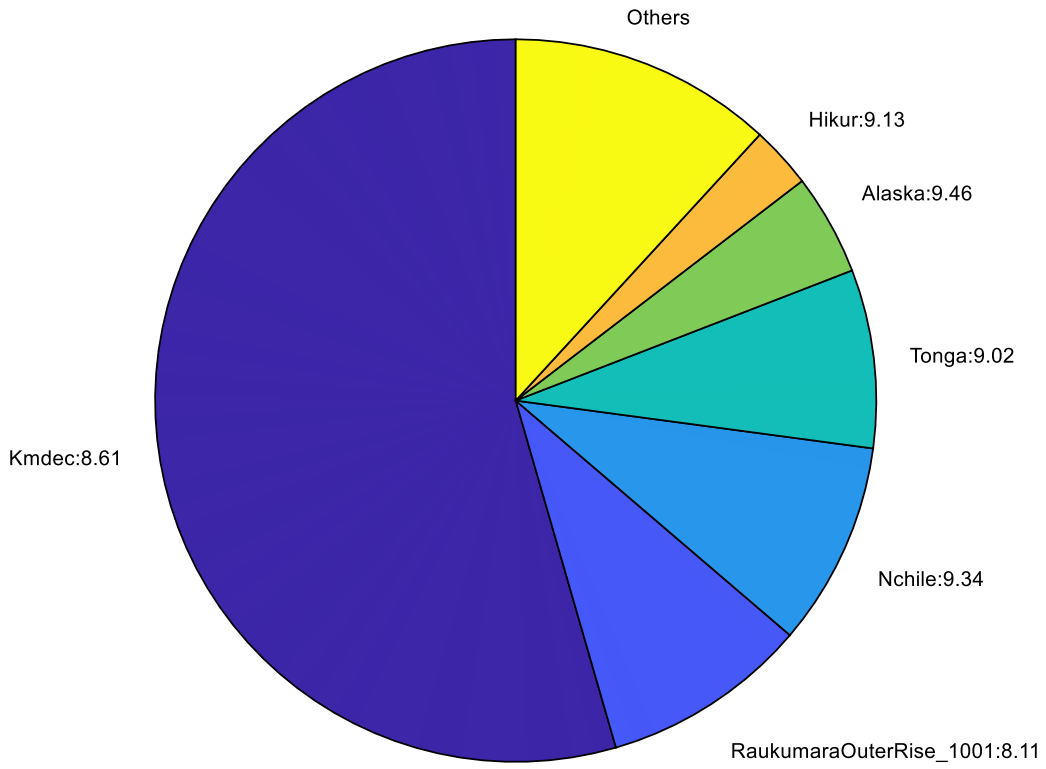
Deaggregation of Section:54, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:9.20 m



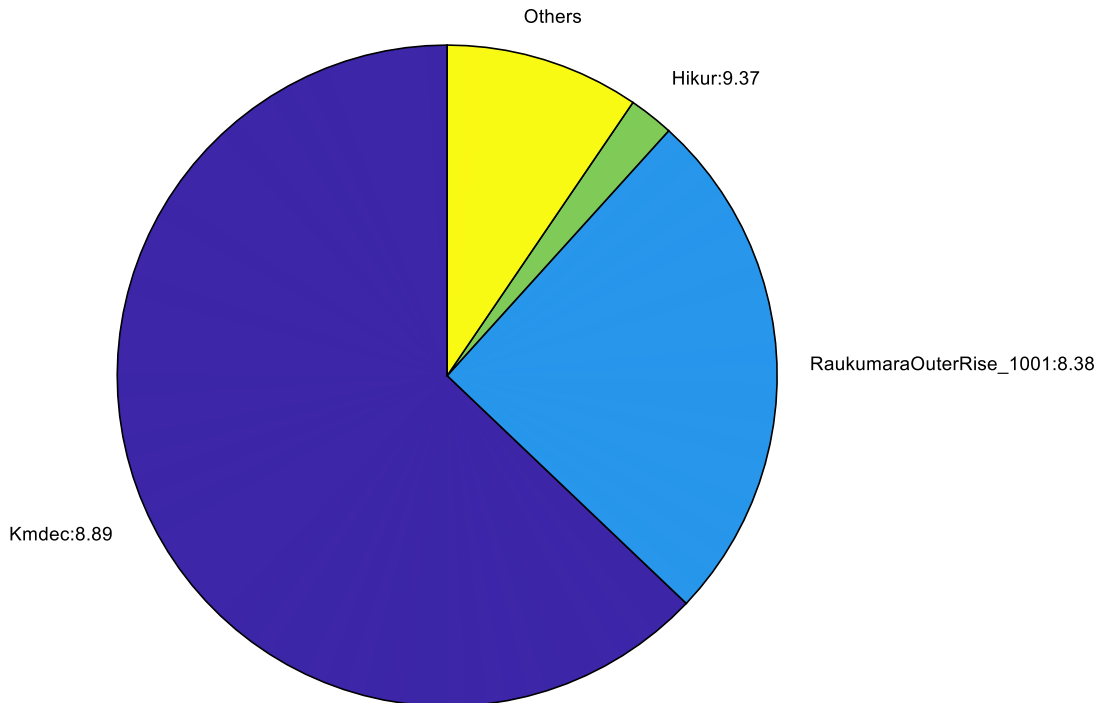
## A1.55 Coastal Section 55: Cape Runaway



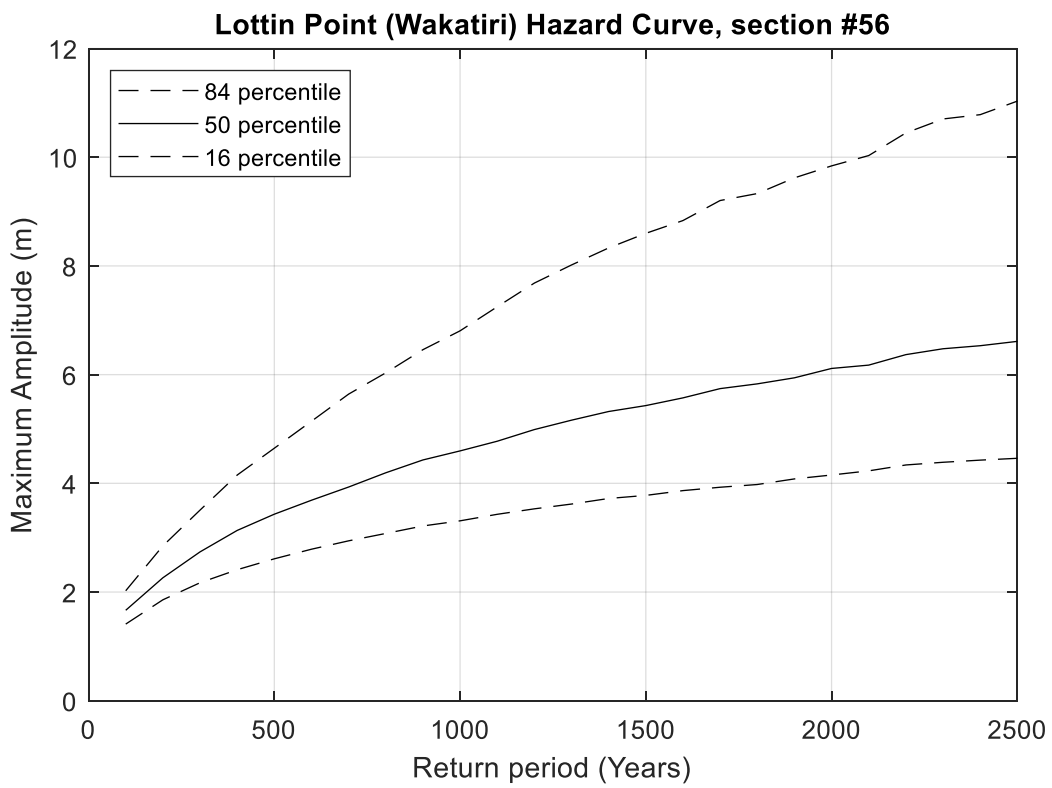
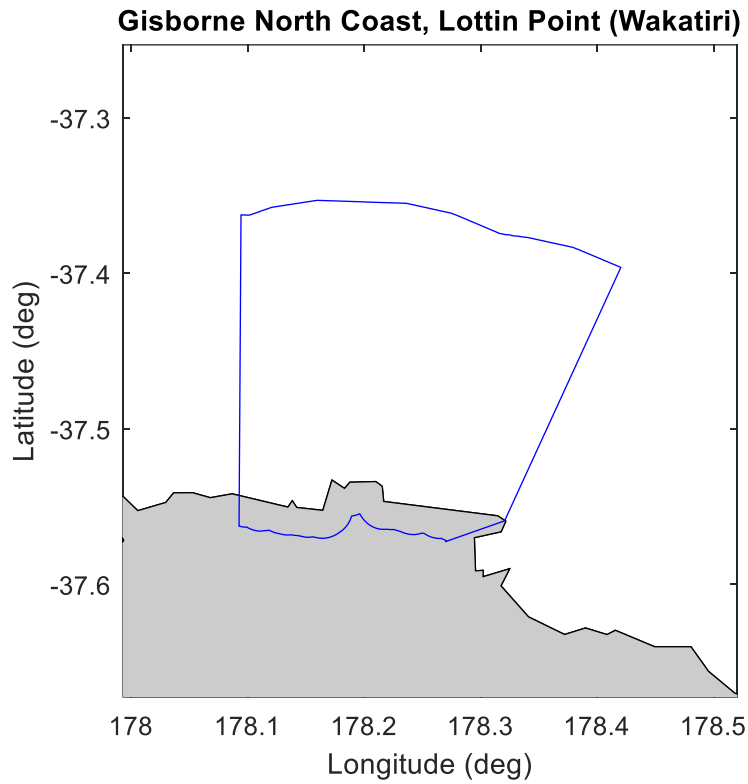
Deaggregation of Section:55, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.94 m



Deaggregation of Section:55, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:9.44 m

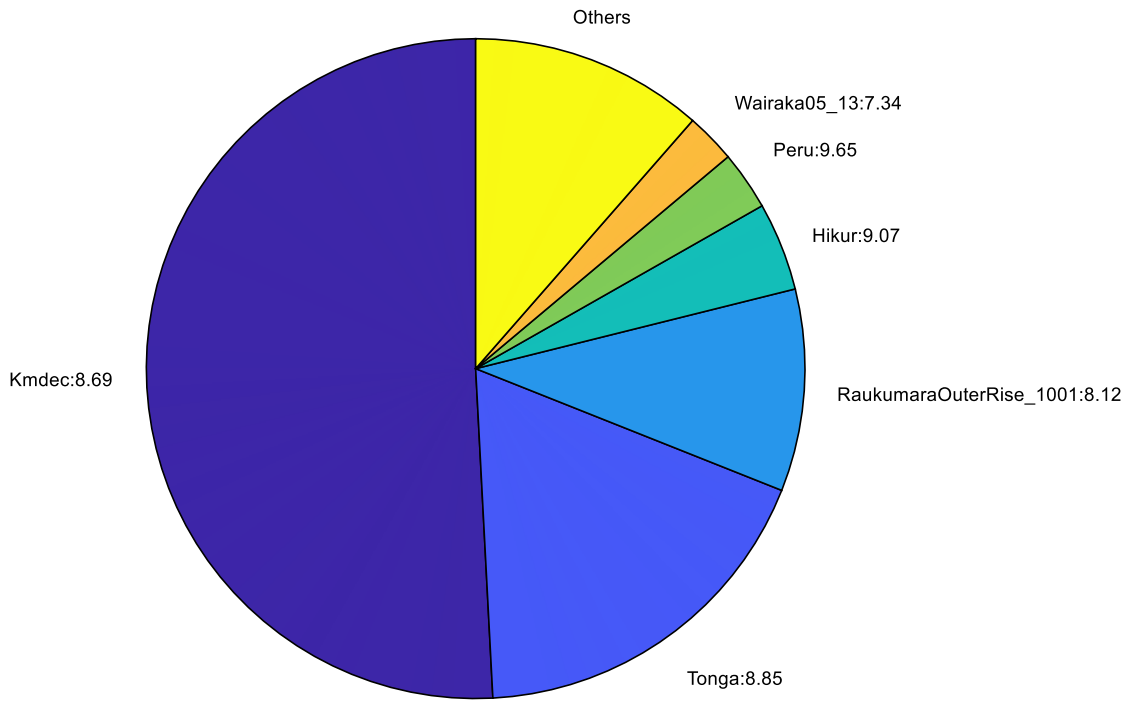


**A1.56 Coastal Section 56: Lottin Point (Wakatiri)**

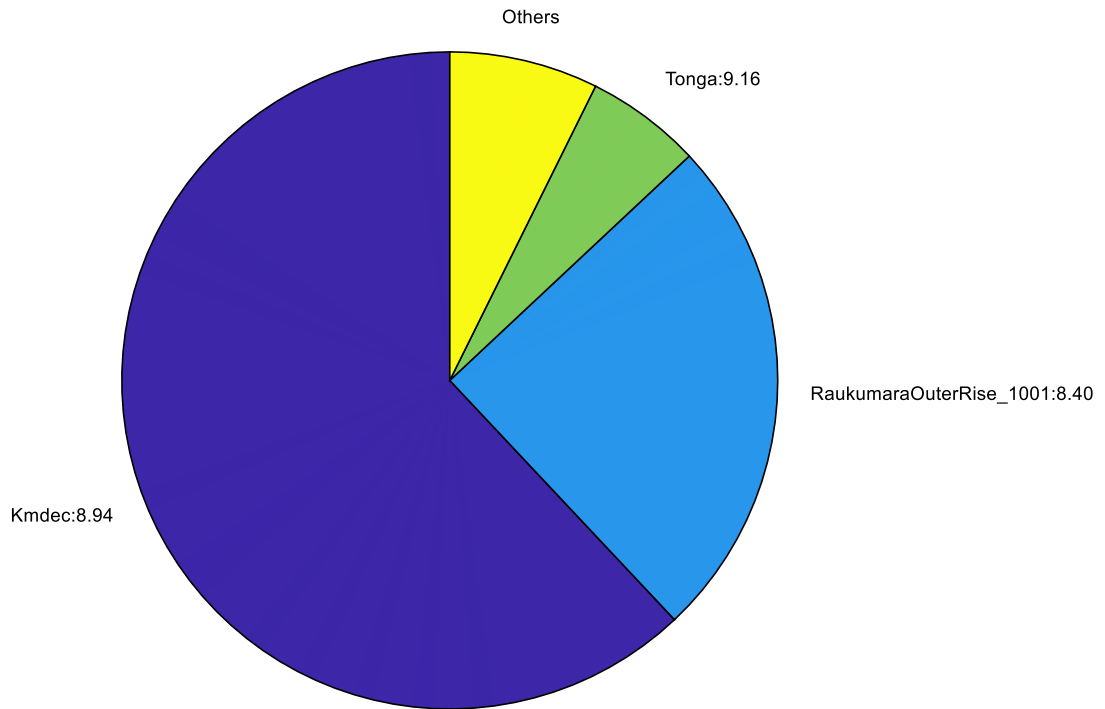




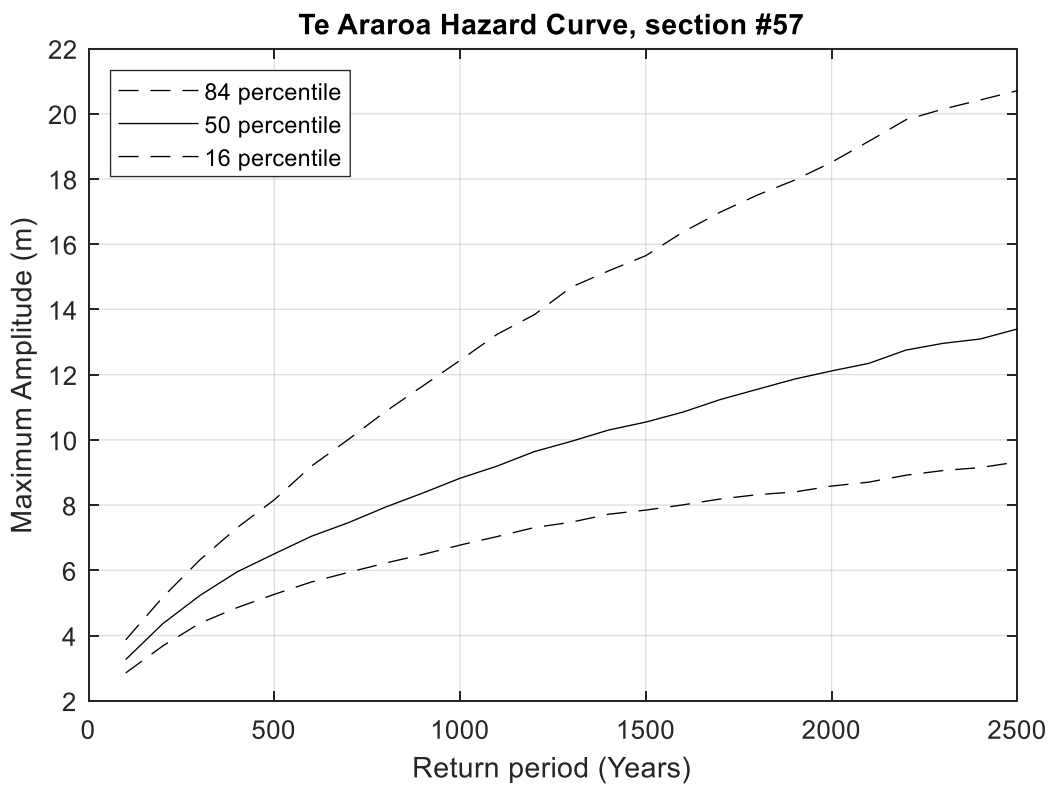
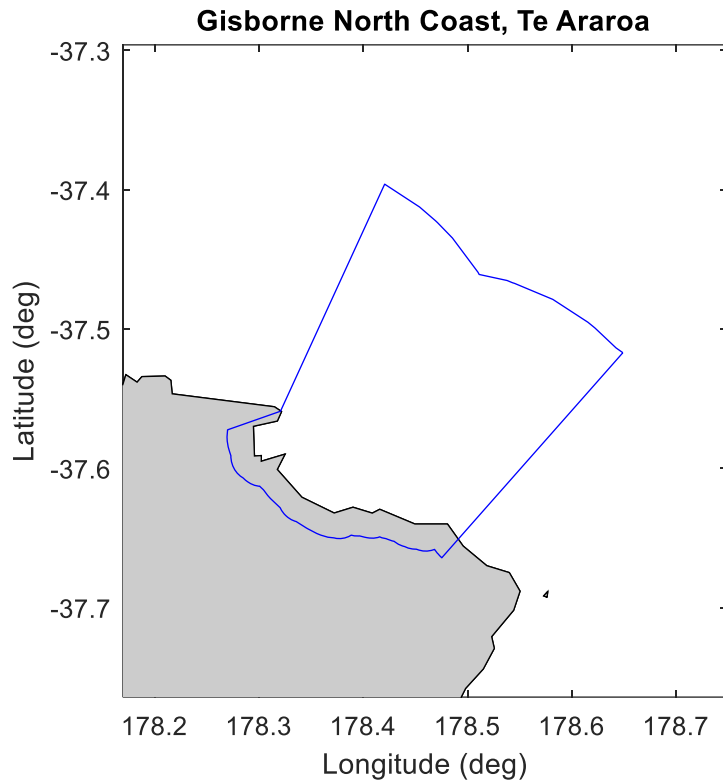
Deaggregation of Section:56, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.43 m



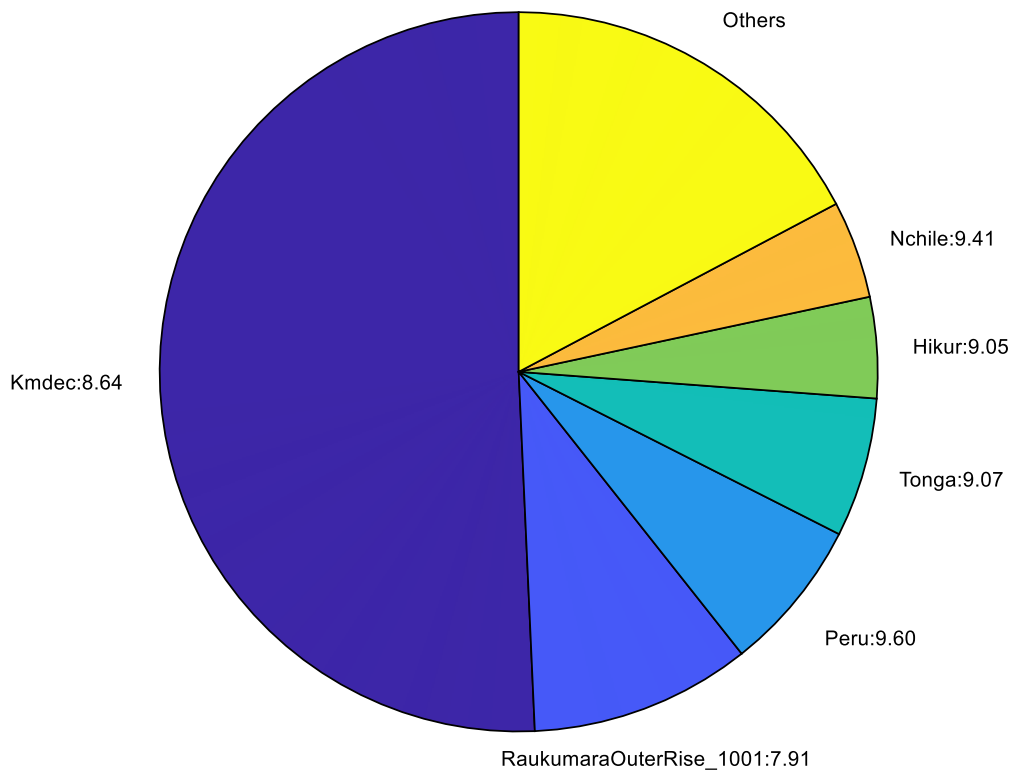
Deaggregation of Section:56, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.61 m



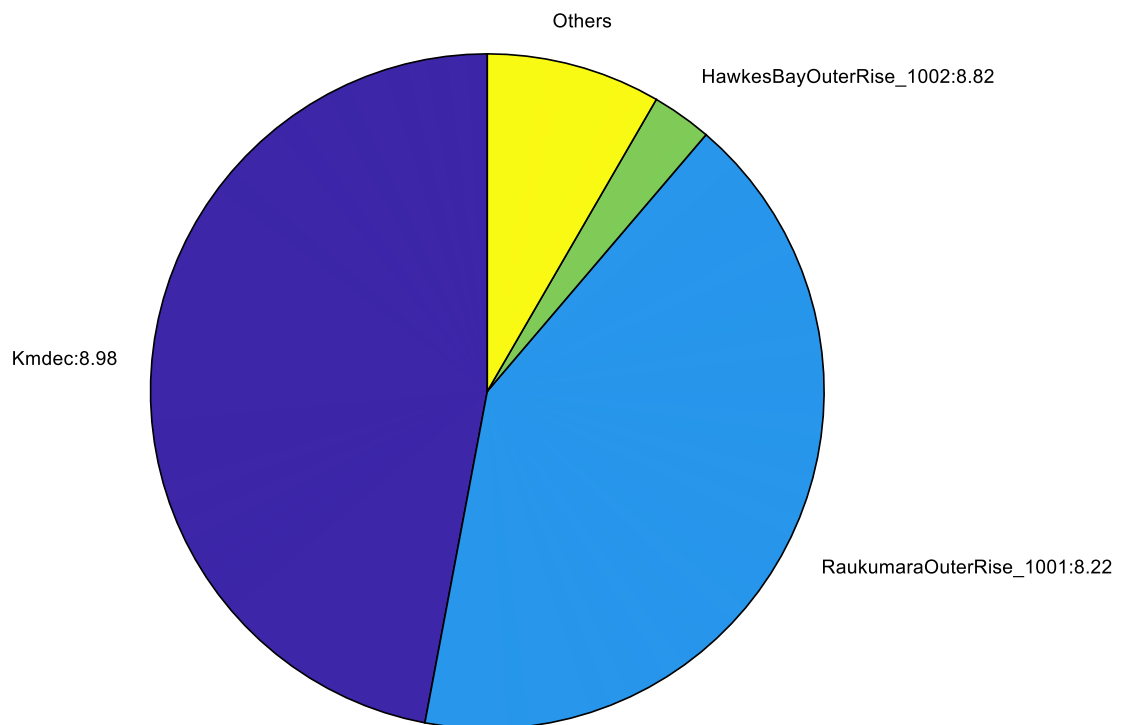
### A1.57 Coastal Section 57: Te Araroa



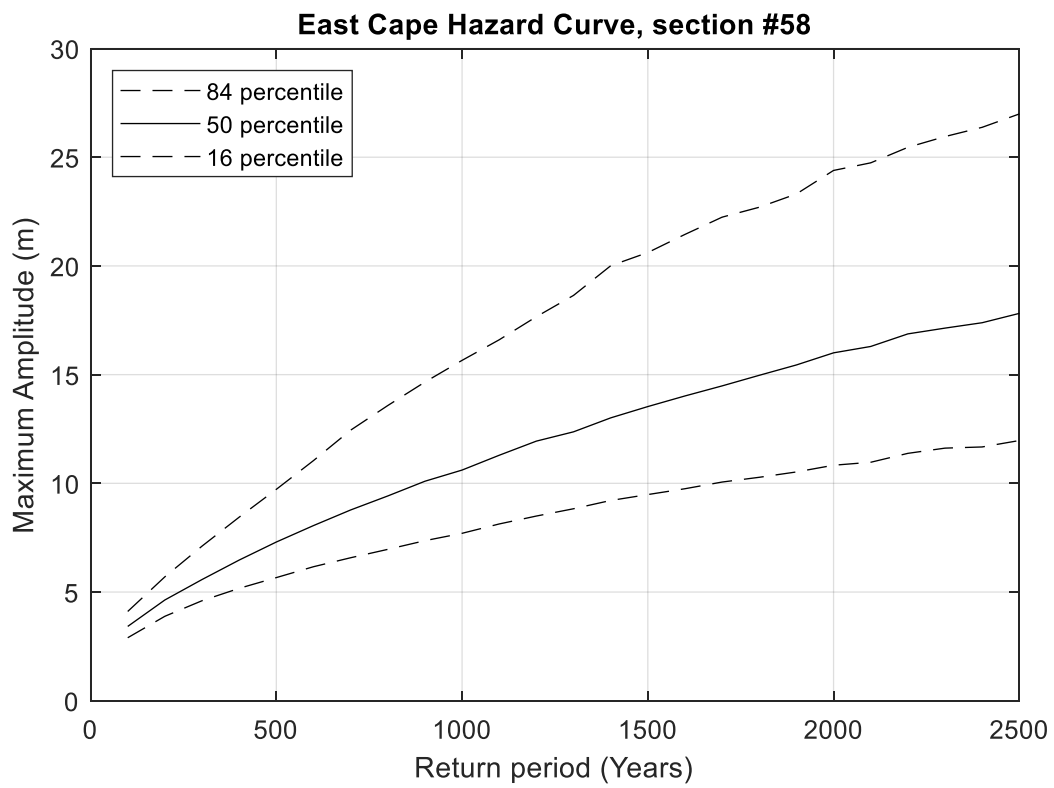
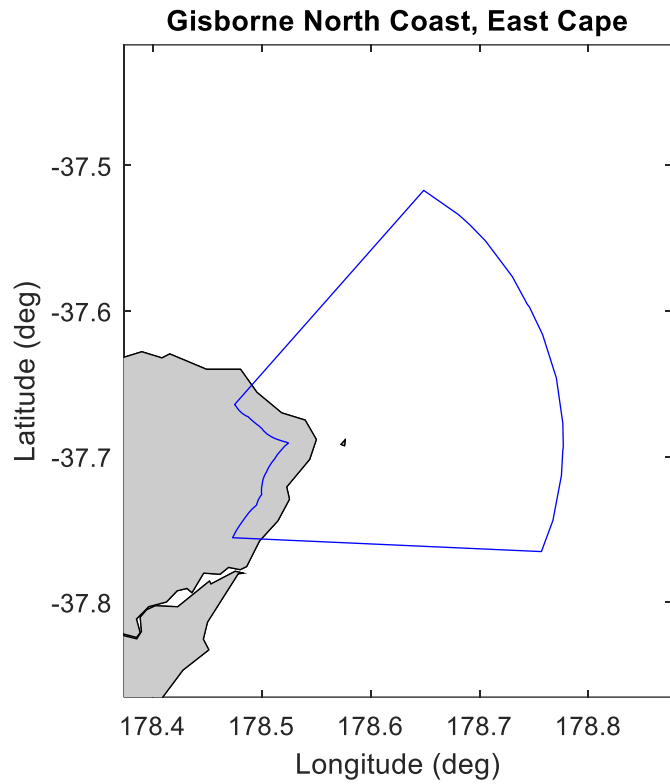
Deaggregation of Section:57, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.51 m



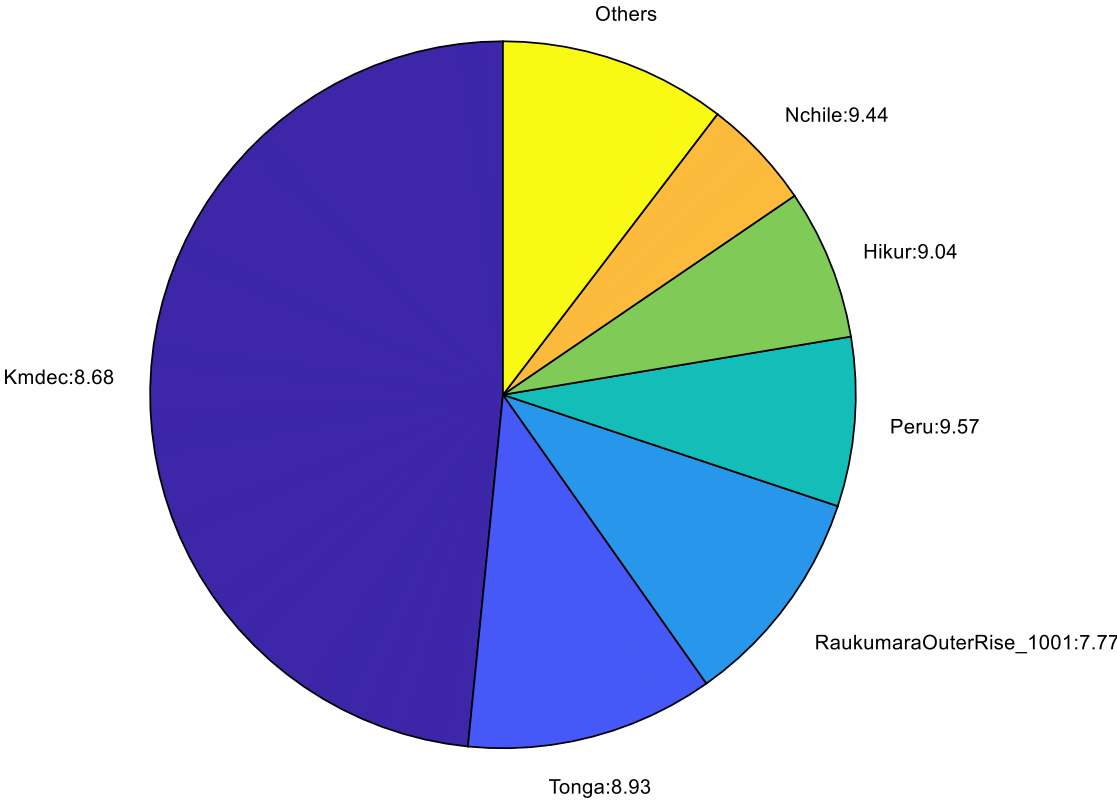
Deaggregation of Section:57, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:13.40 m



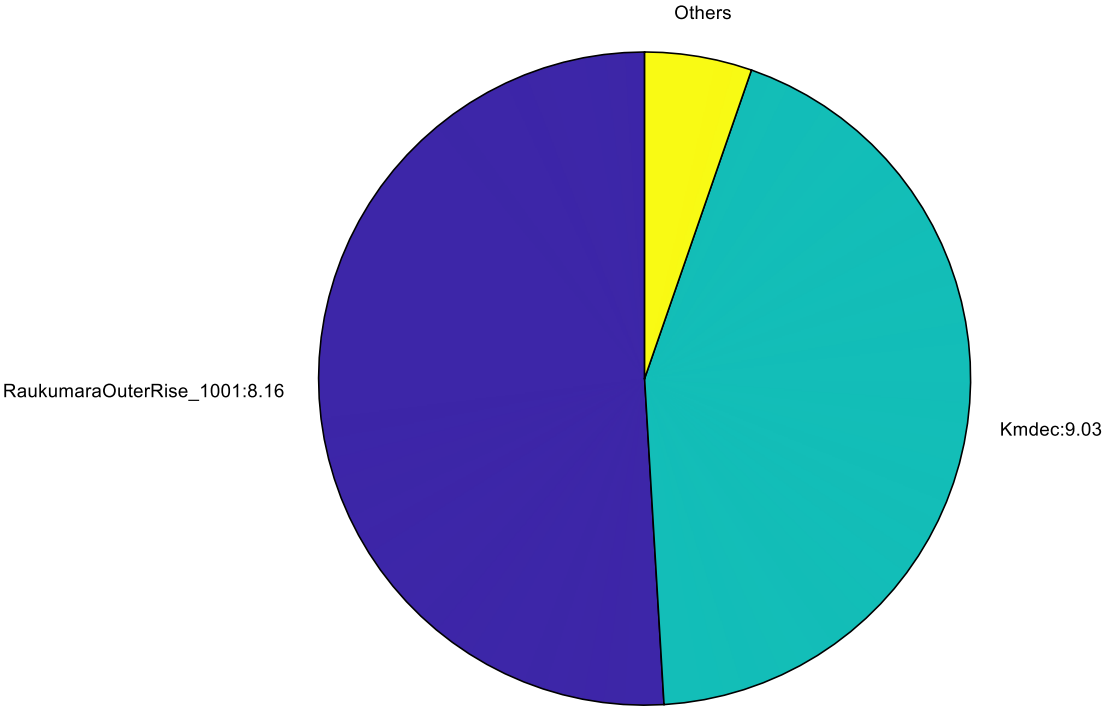
## A1.58 Coastal Section 58: East Cape



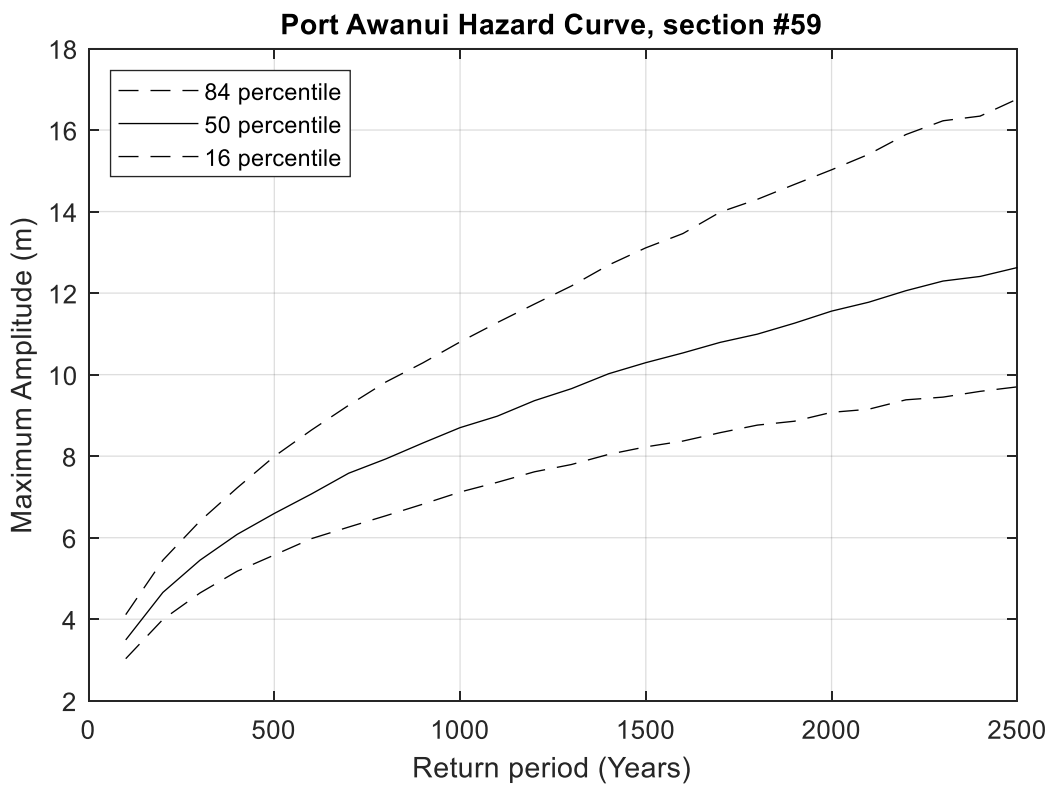
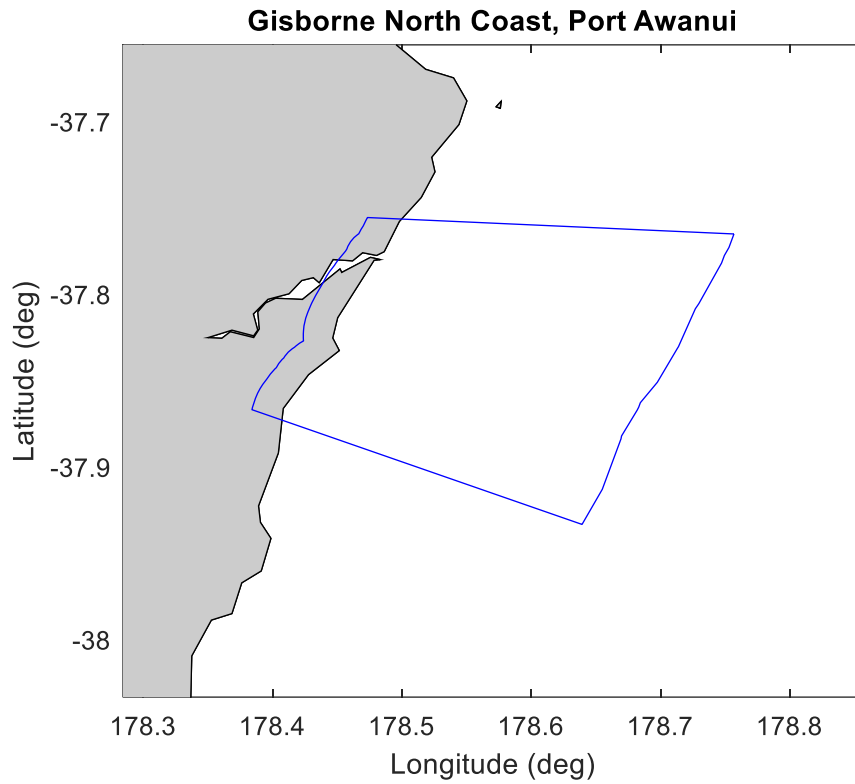
Deaggregation of Section:58, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.30 m



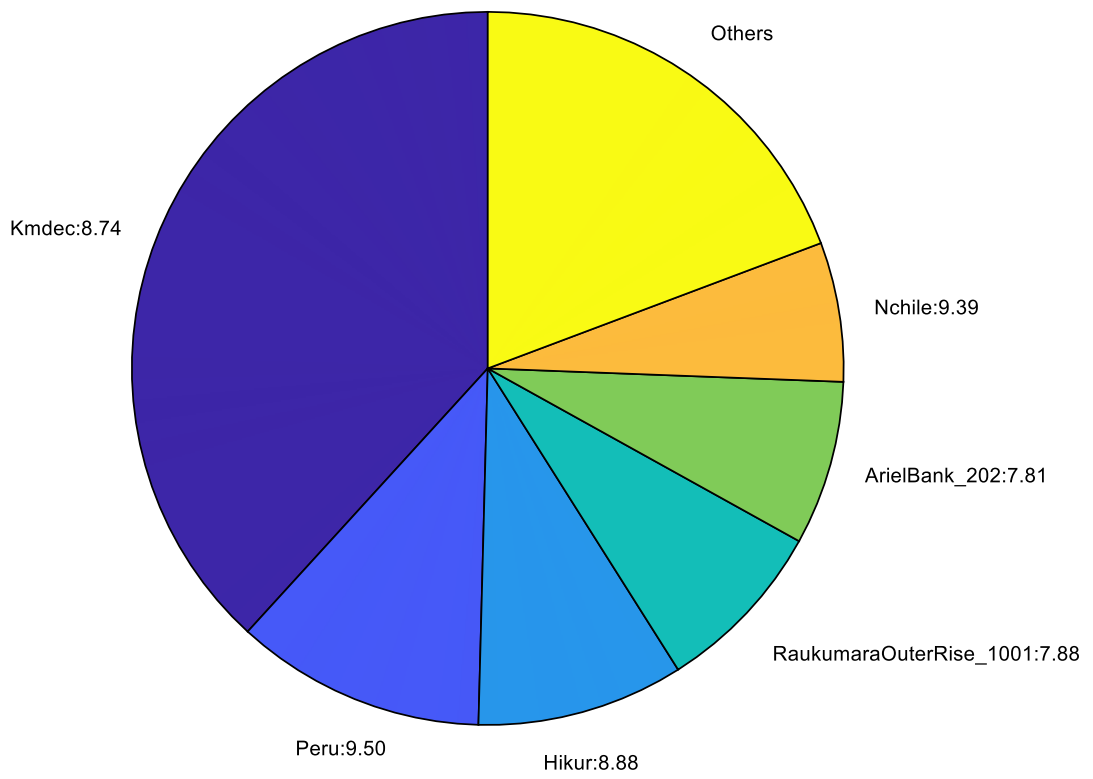
Deaggregation of Section:58, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:17.80 m



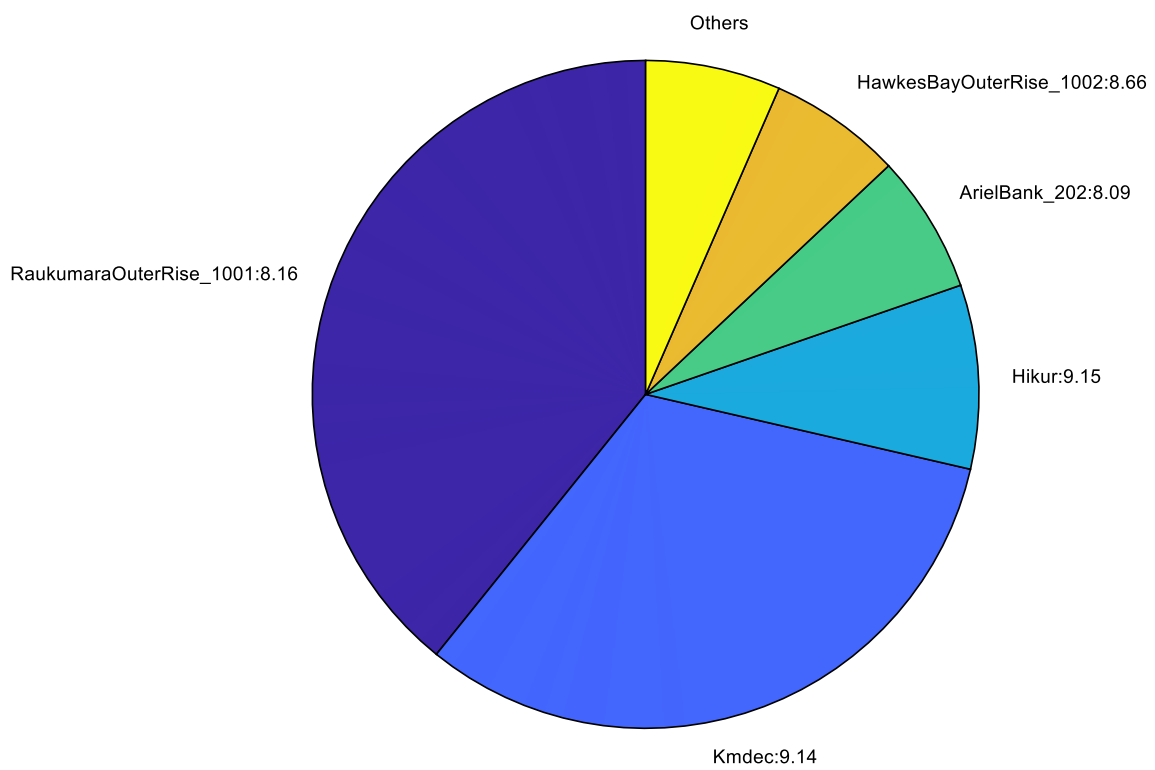
**A1.59 Coastal Section 59: Port Awanui**



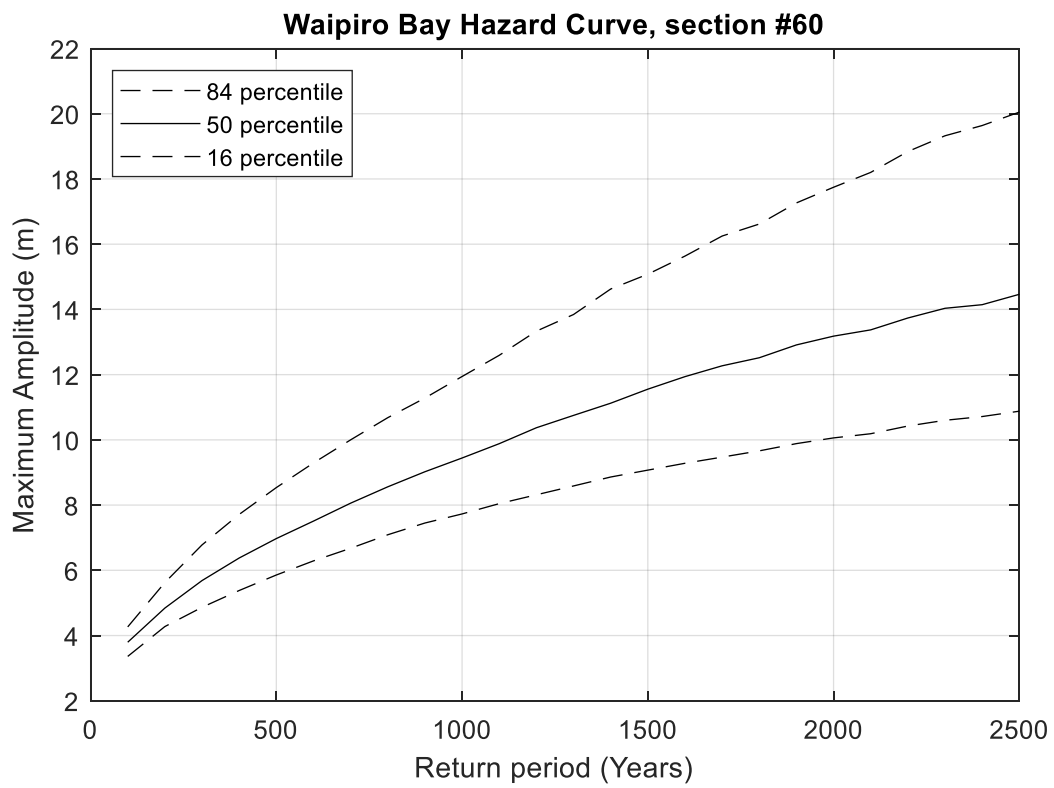
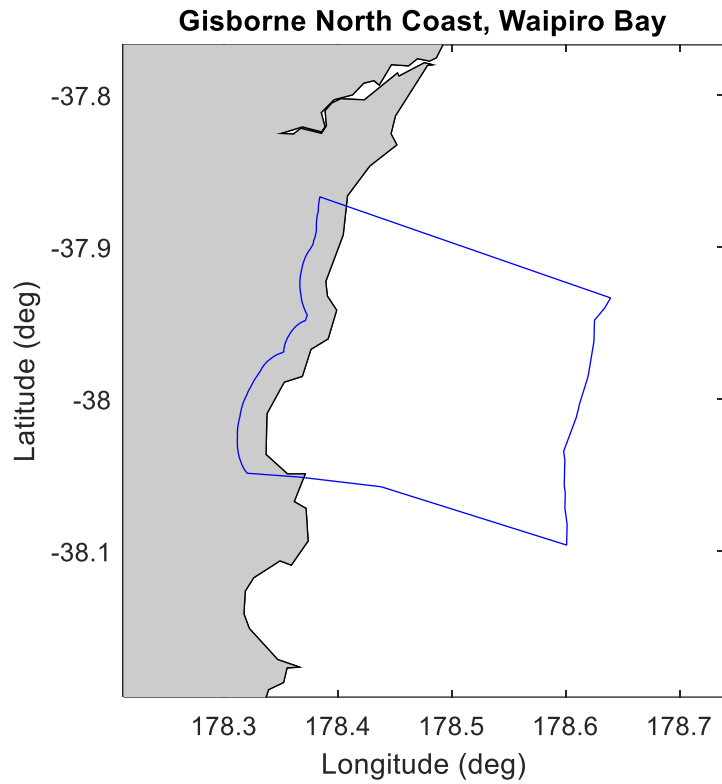
Deaggregation of Section:59, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.59 m



Deaggregation of Section:59, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:12.62 m

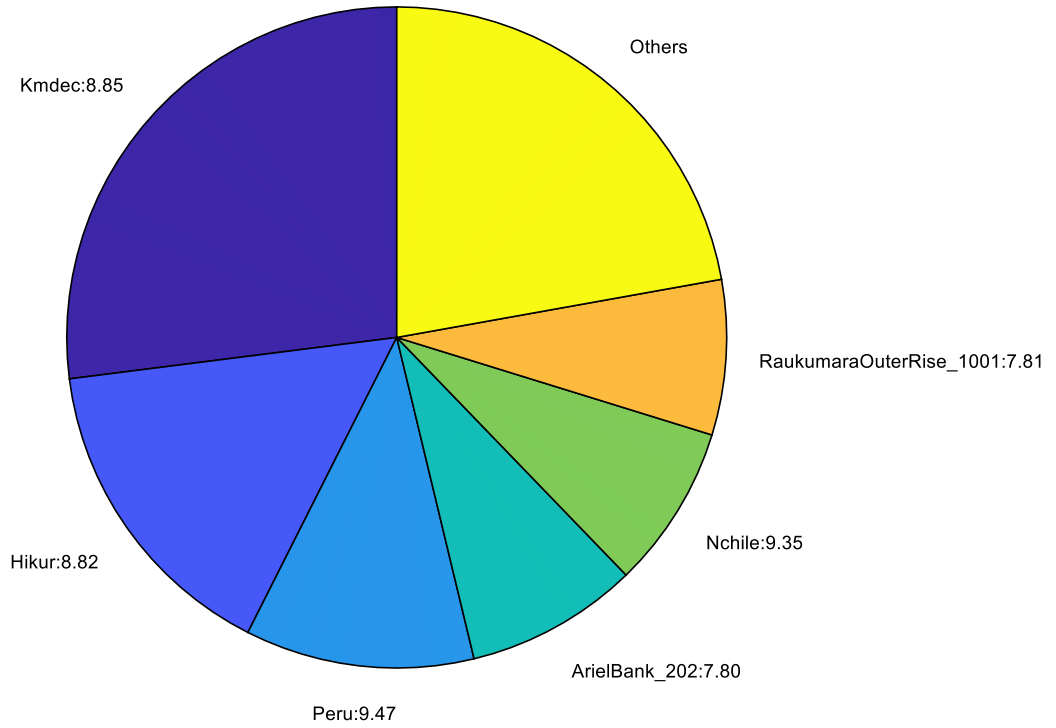


## A1.60 Coastal Section 60: Waipiro Bay

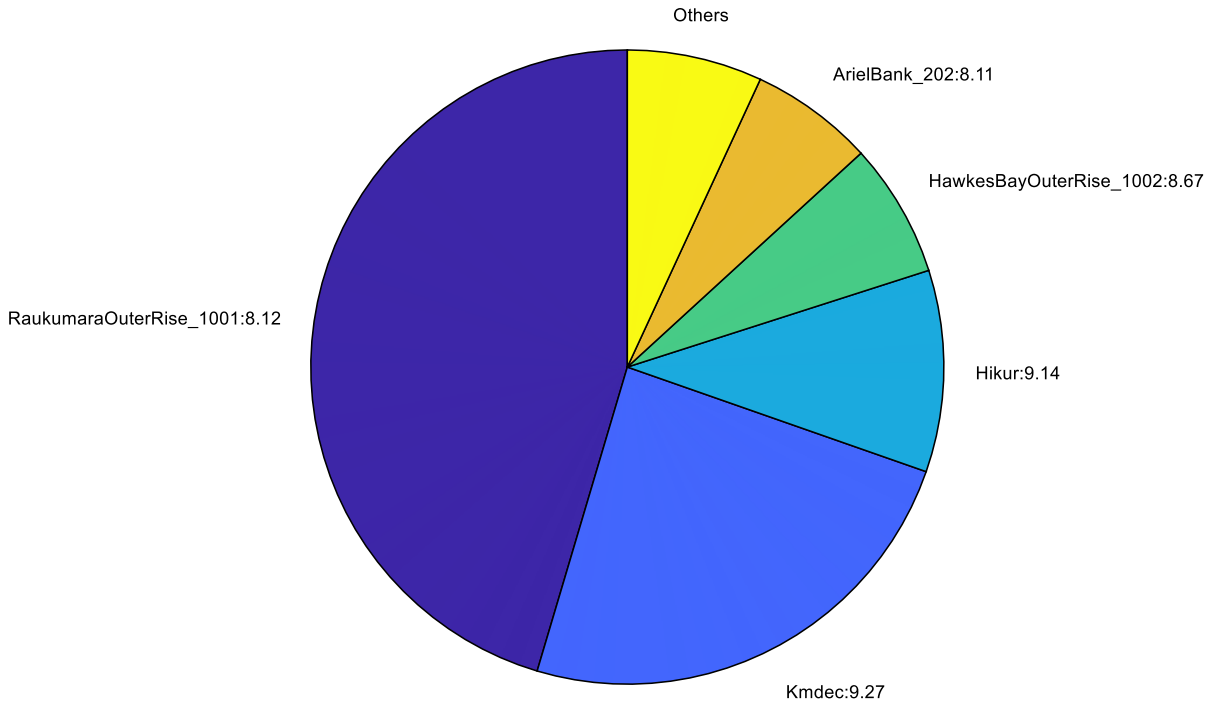




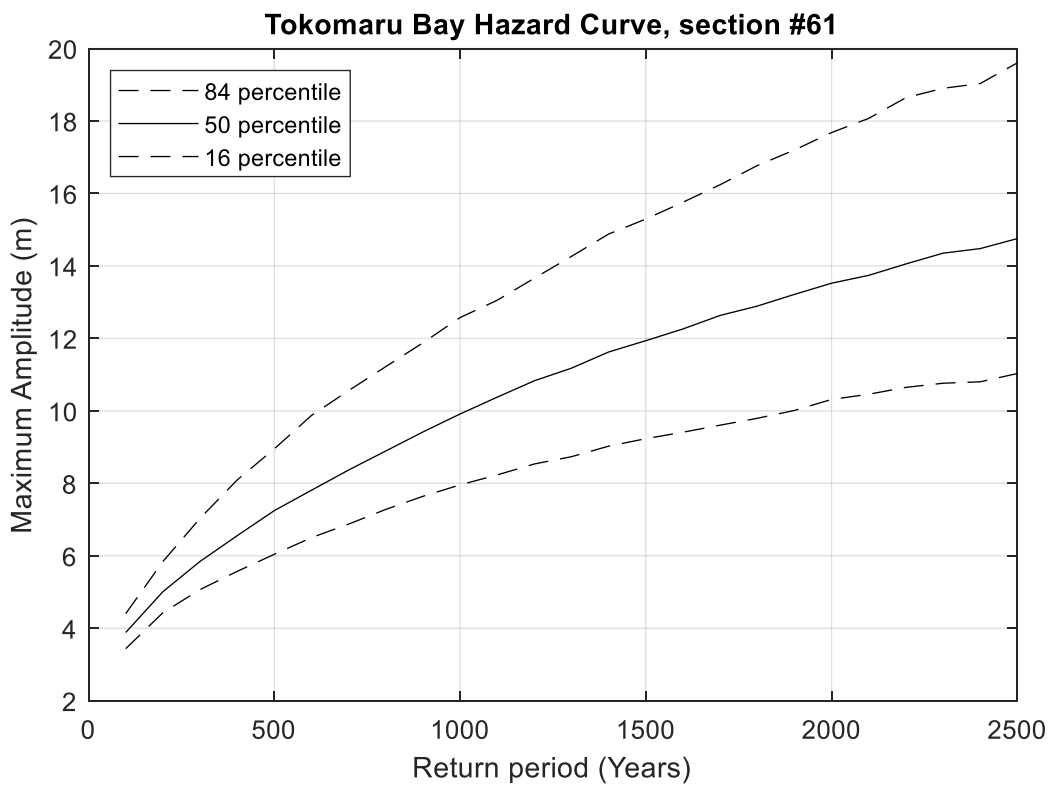
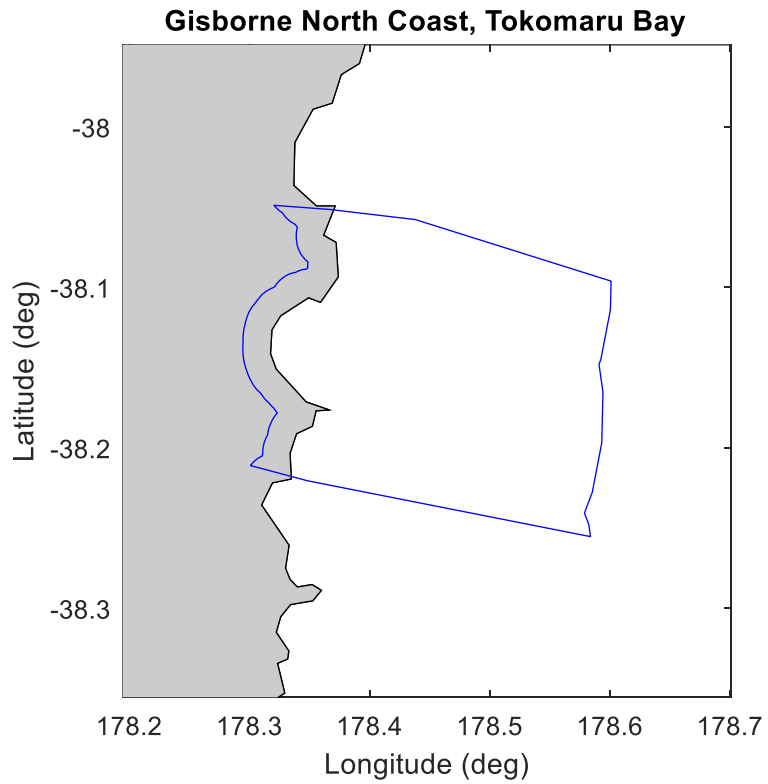
Deaggregation of Section:60, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.97 m



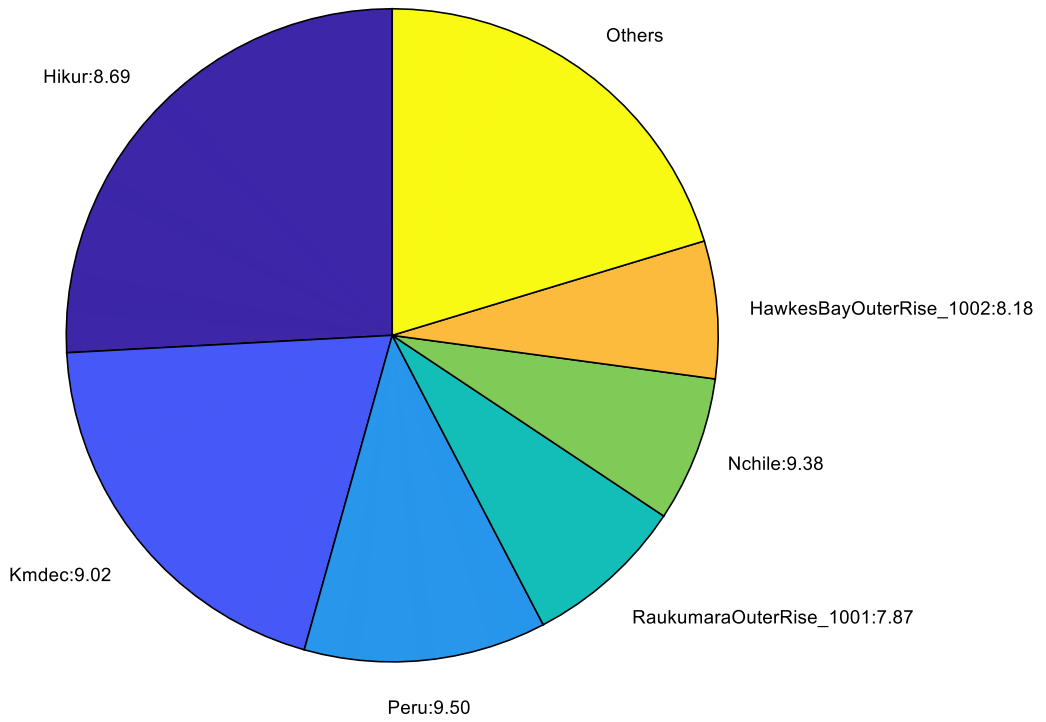
Deaggregation of Section:60, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:14.46 m



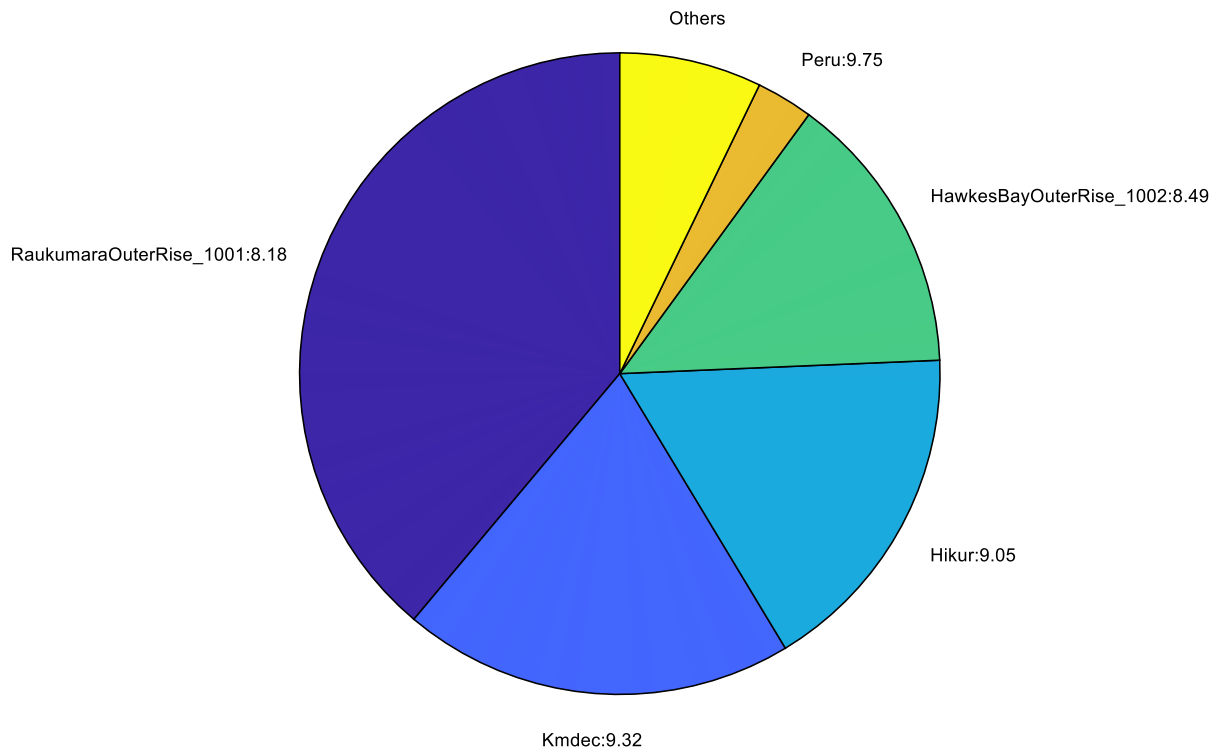
### A1.61 Coastal Section 61: Tokomaru Bay



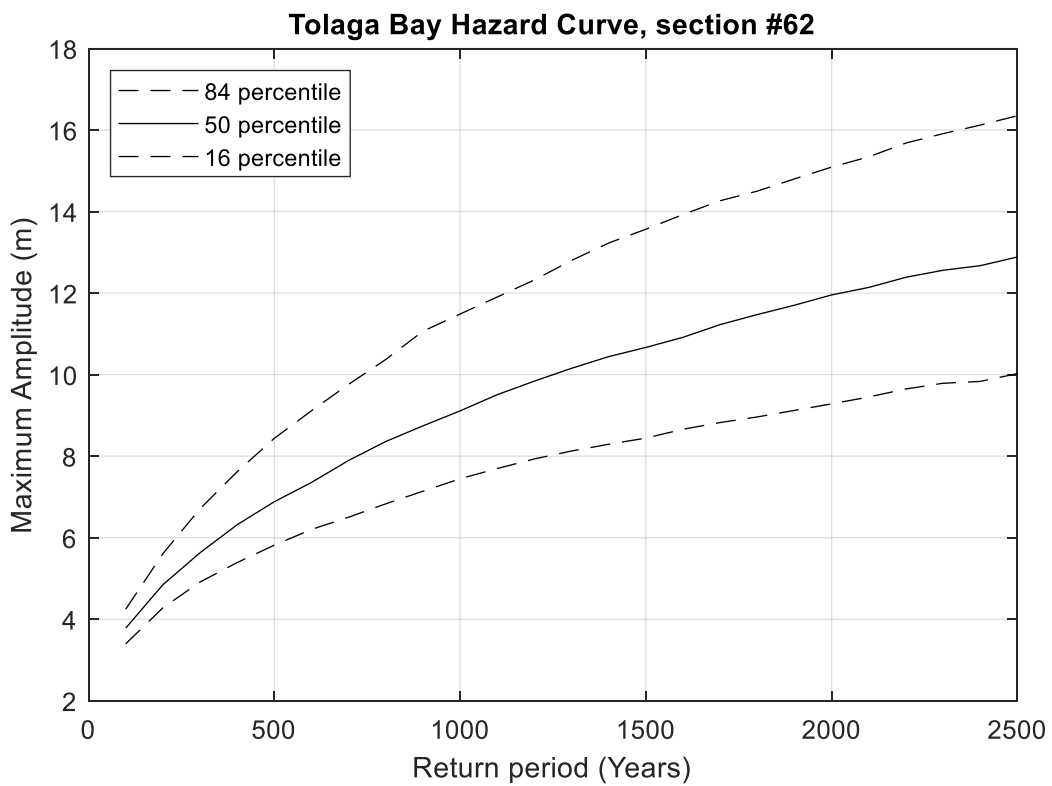
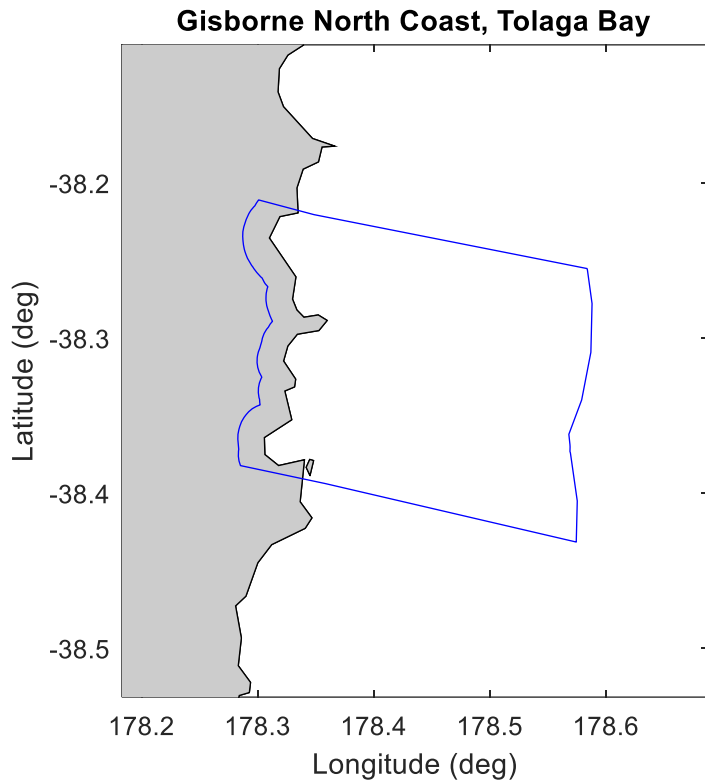
Deaggregation of Section:61, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.24 m



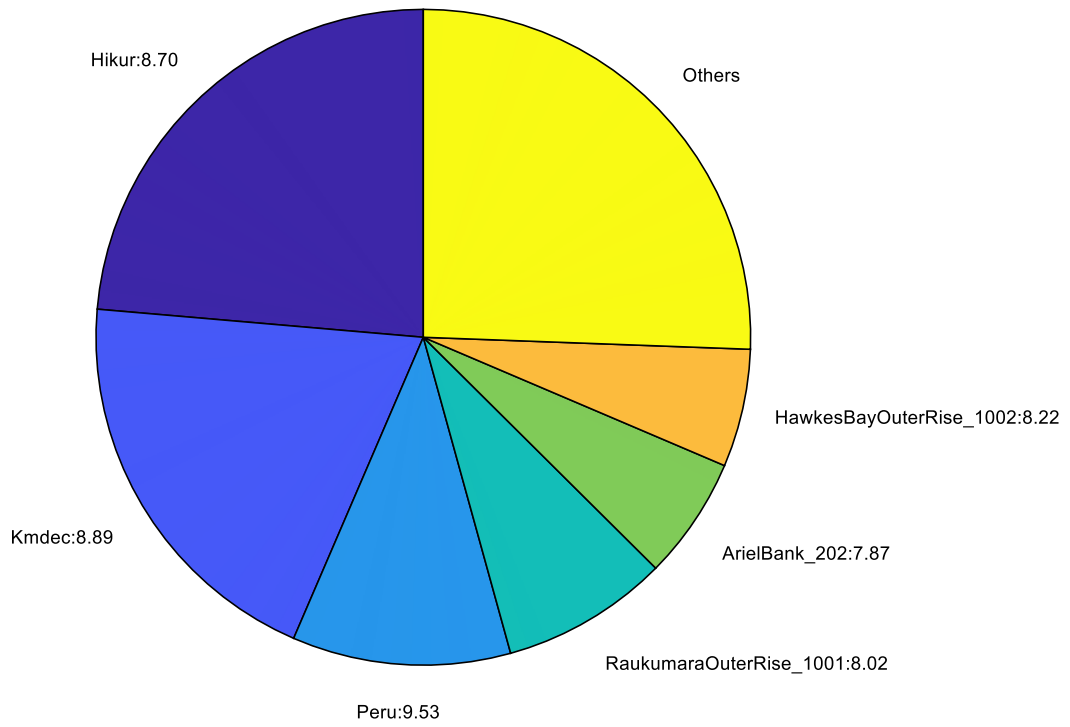
Deaggregation of Section:61, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:14.73 m



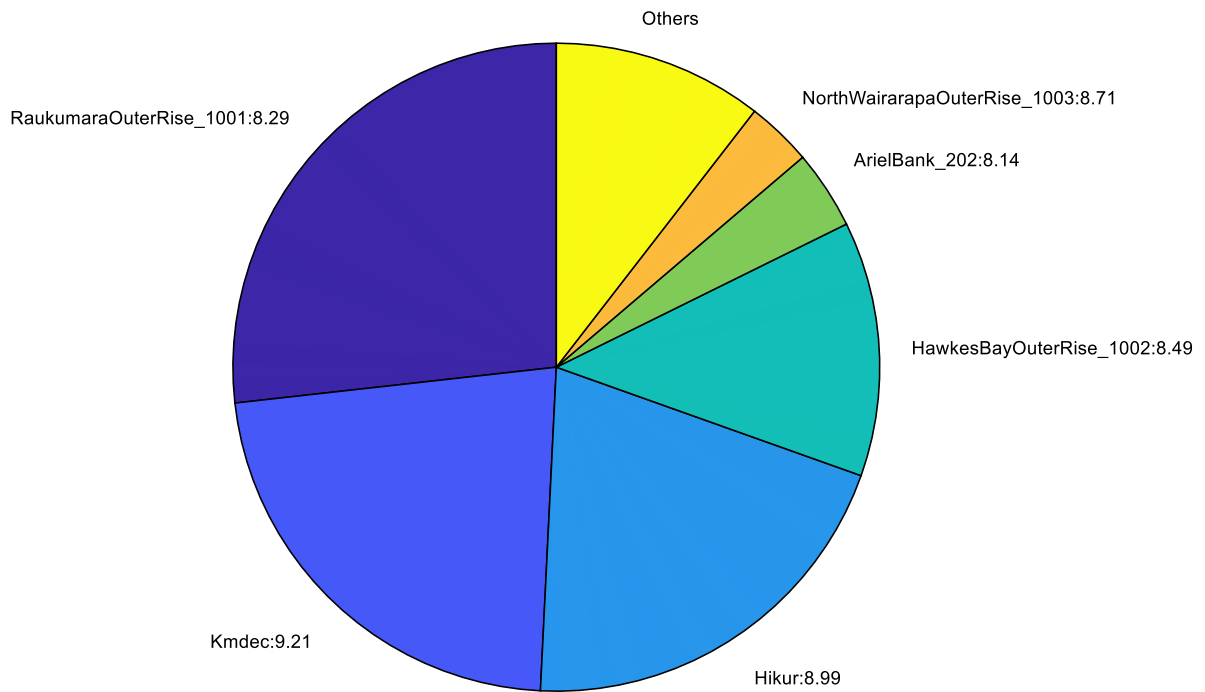
## A1.62 Coastal Section 62: Tolaga Bay



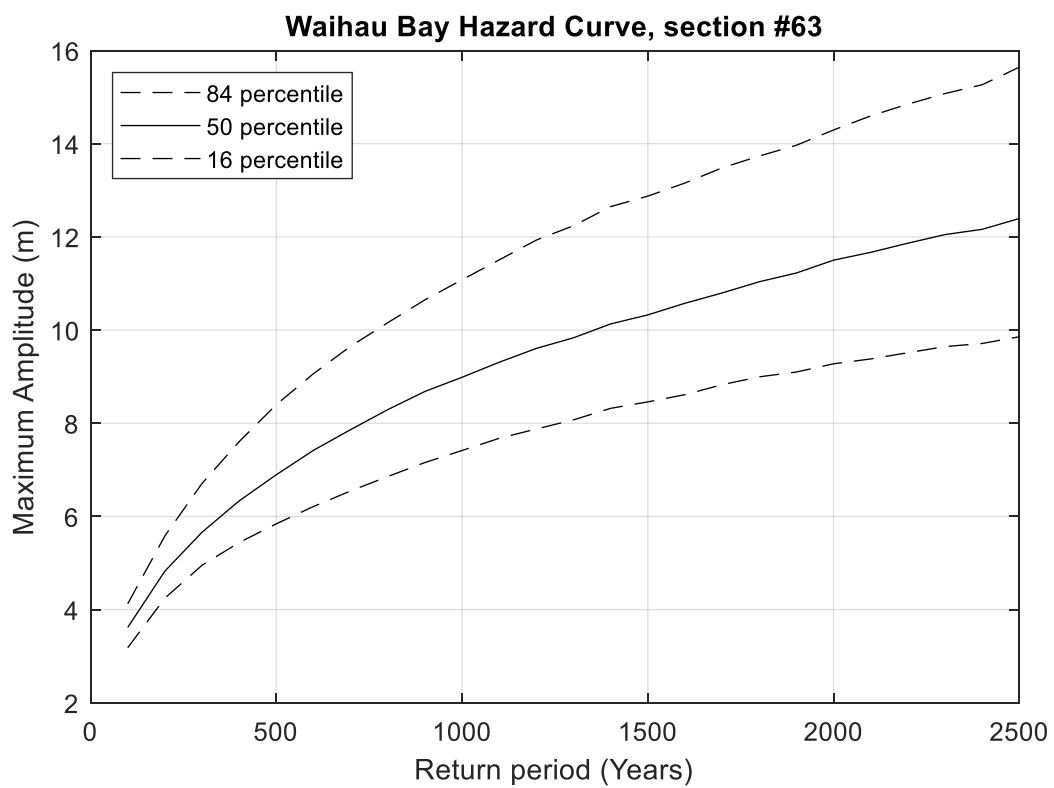
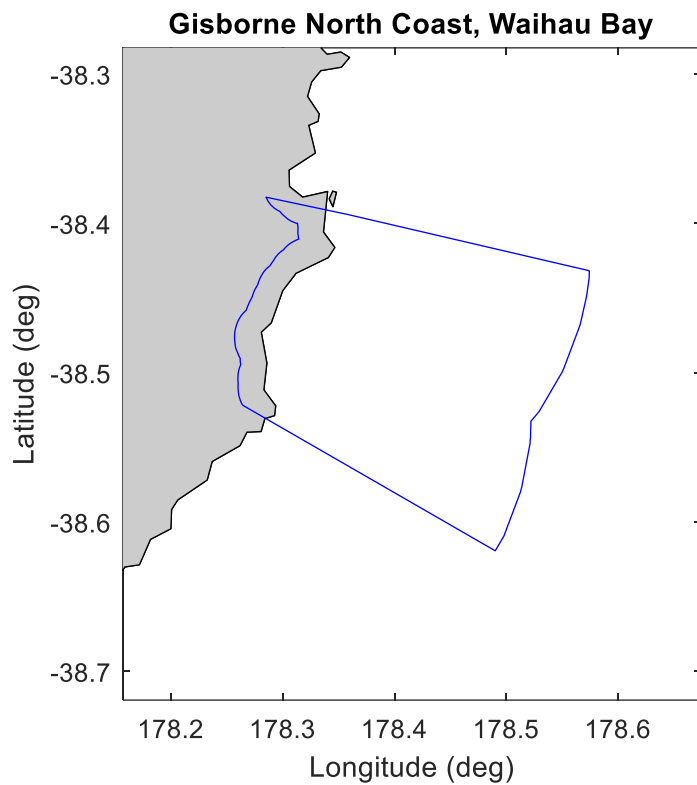
Deaggregation of Section:62, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.88 m



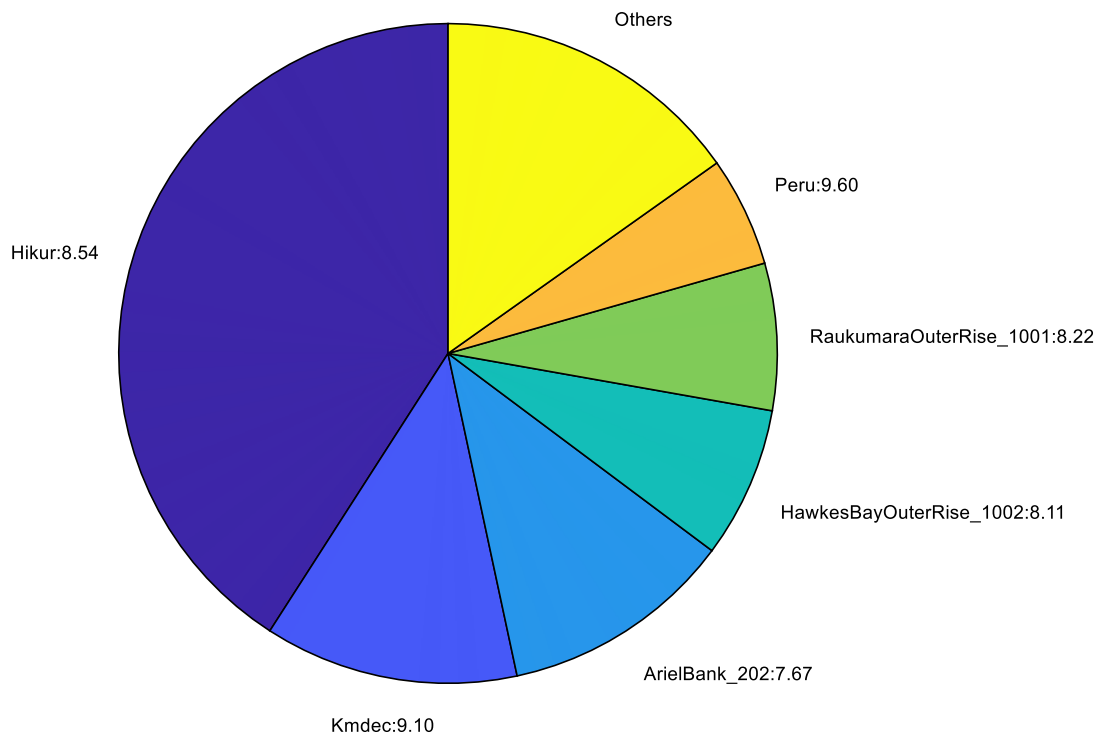
Deaggregation of Section:62, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:12.87 m



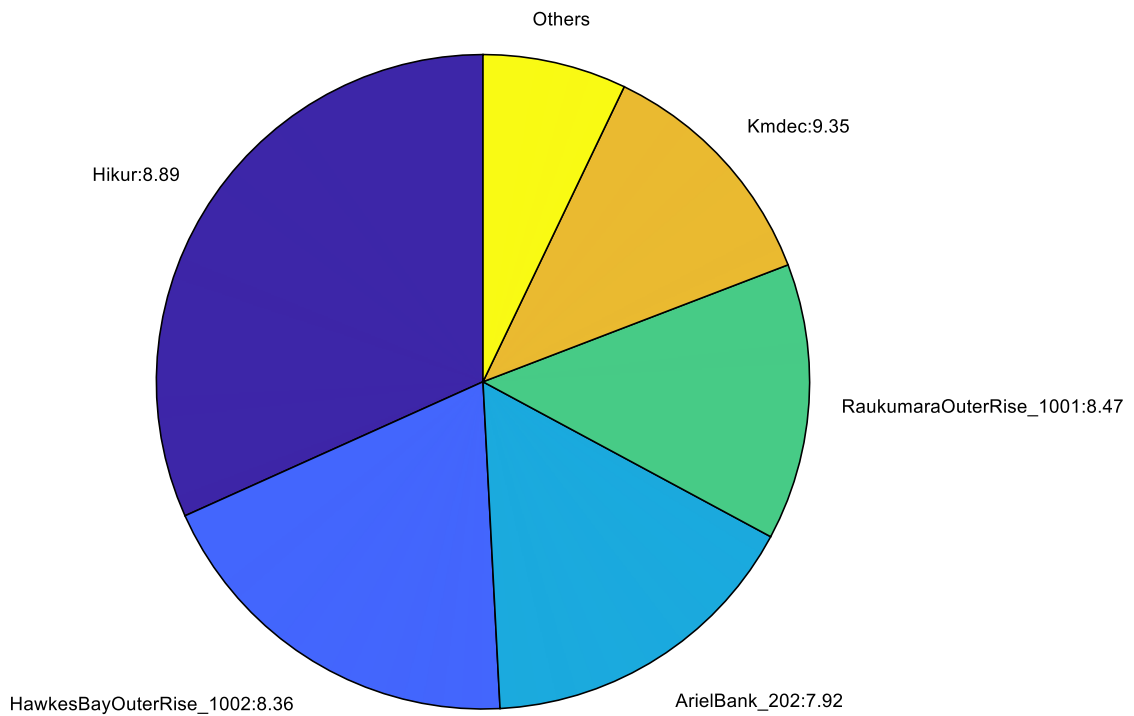
### A1.63 Coastal Section 63: Waihou Bay



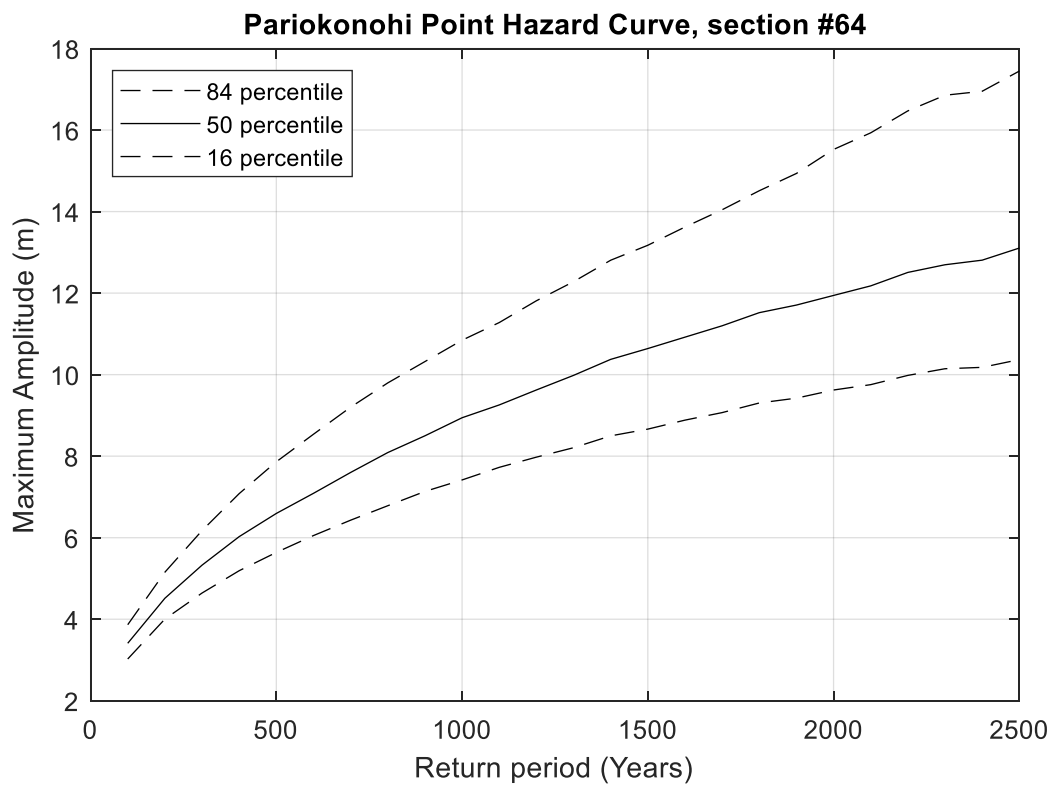
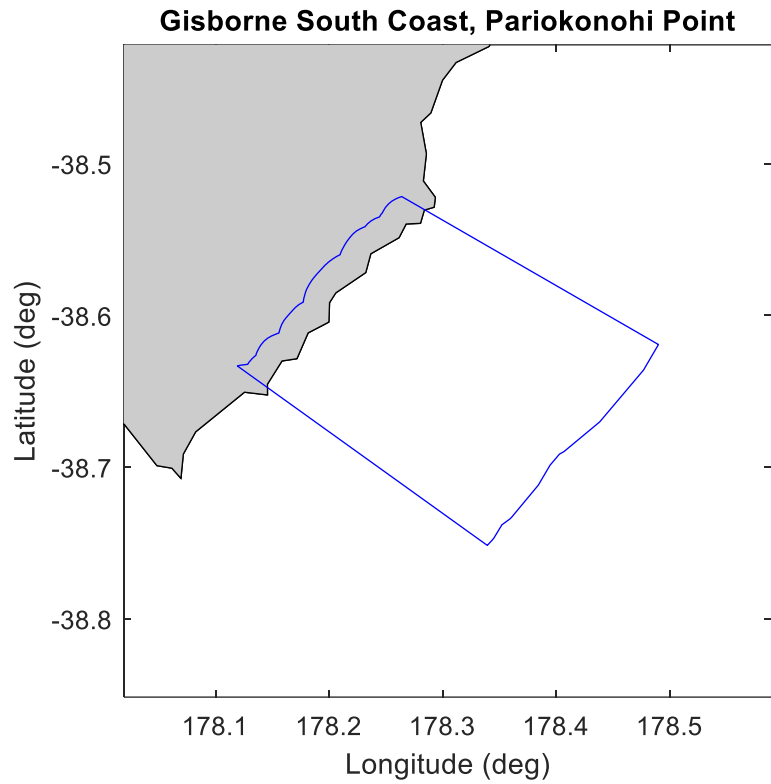
Deaggregation of Section:63, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.89 m



Deaggregation of Section:63, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:12.39 m

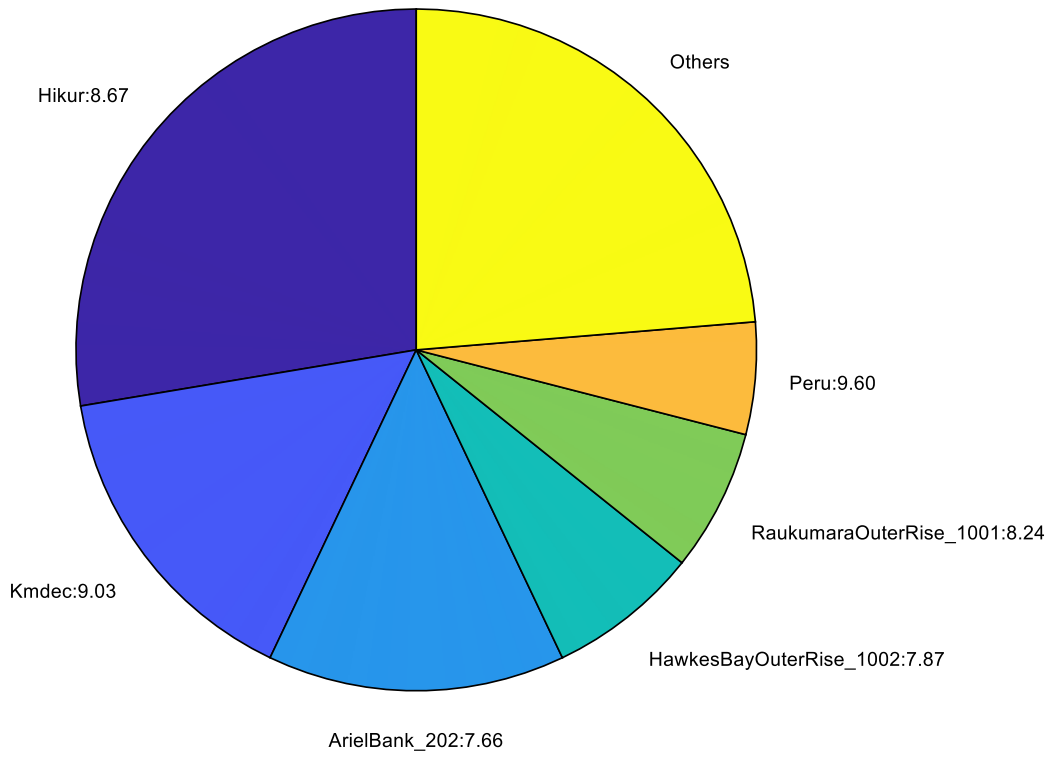


## A1.64 Coastal Section 64: Pariokonohi Point

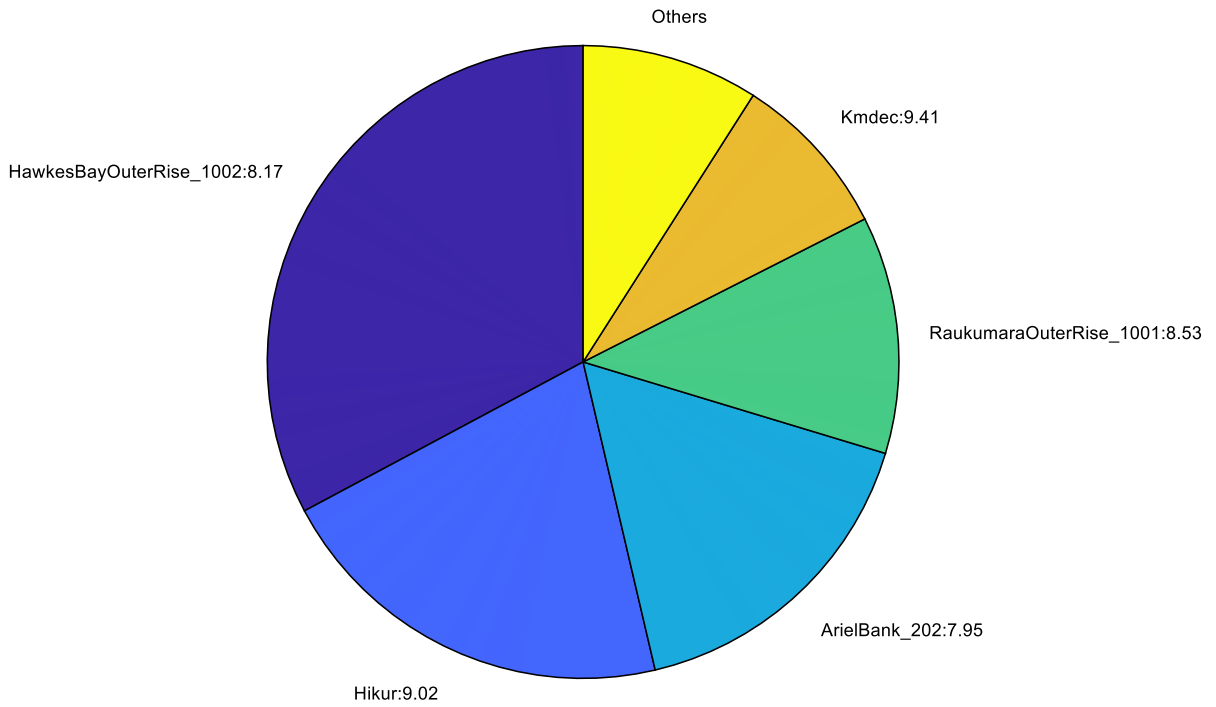




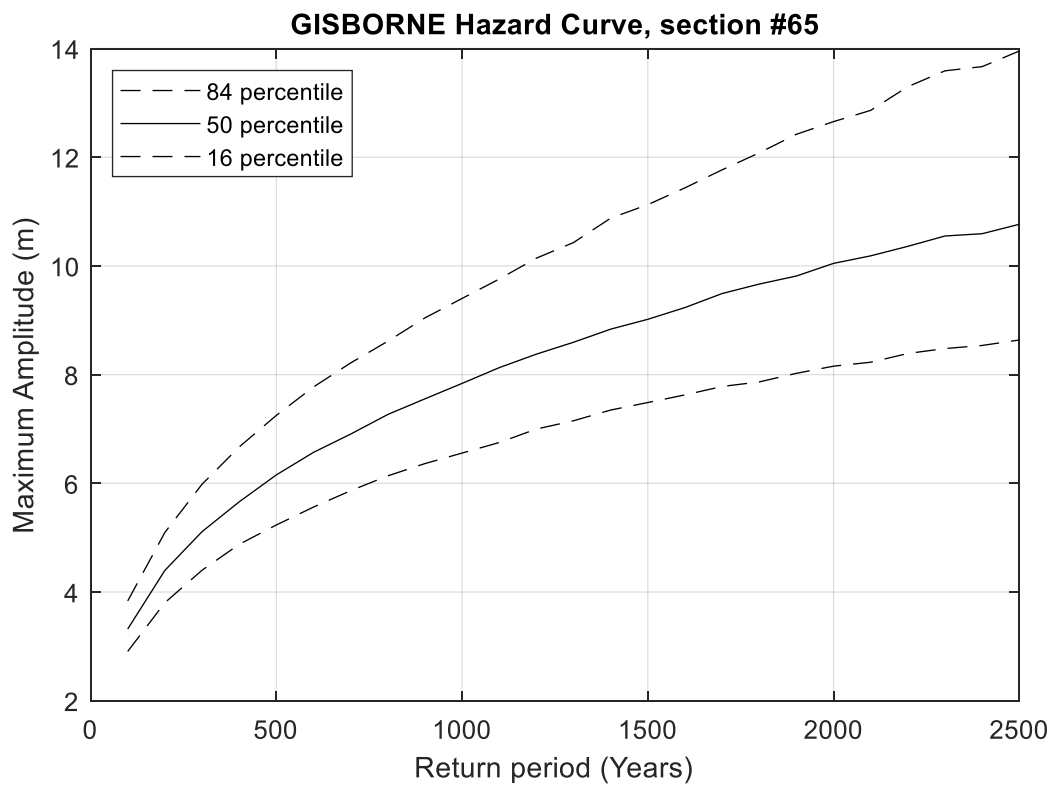
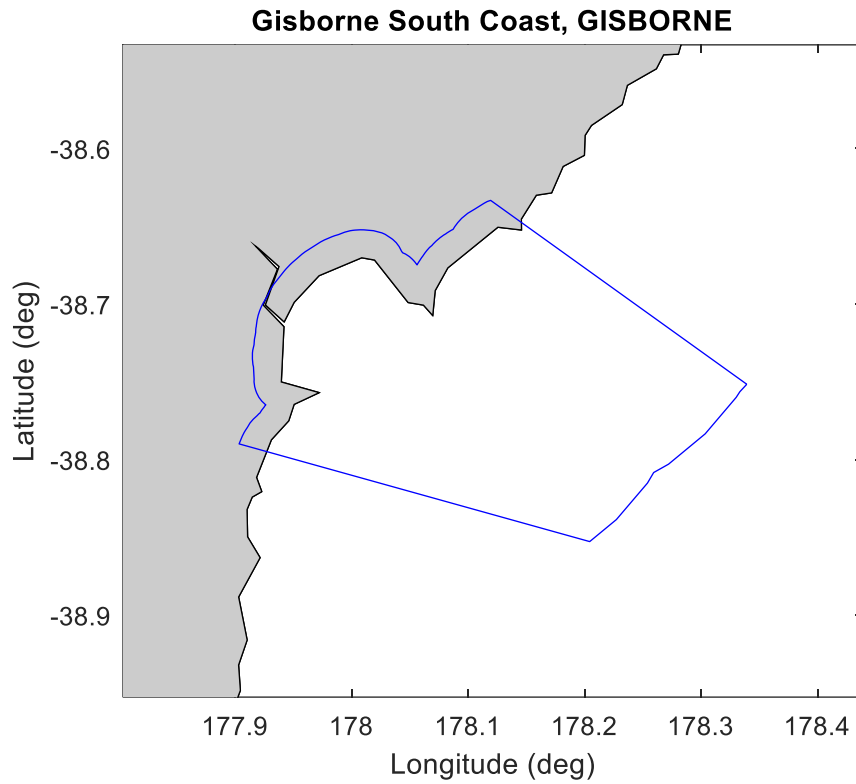
Deaggregation of Section:64, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.60 m



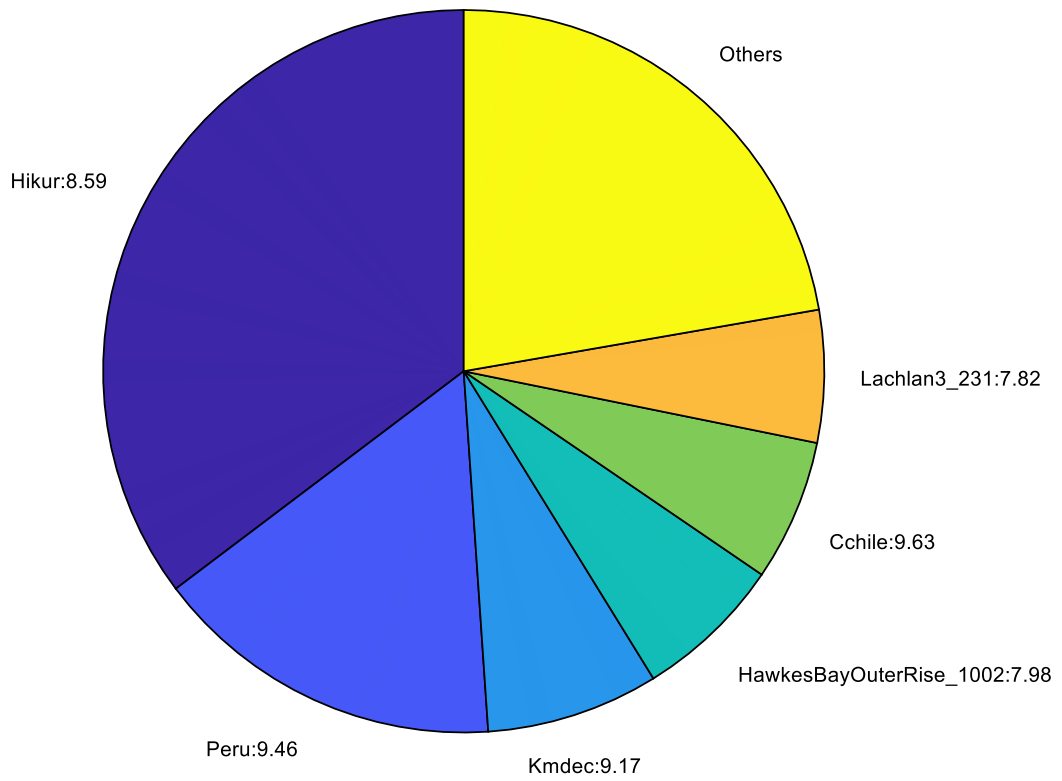
Deaggregation of Section:64, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:13.08 m



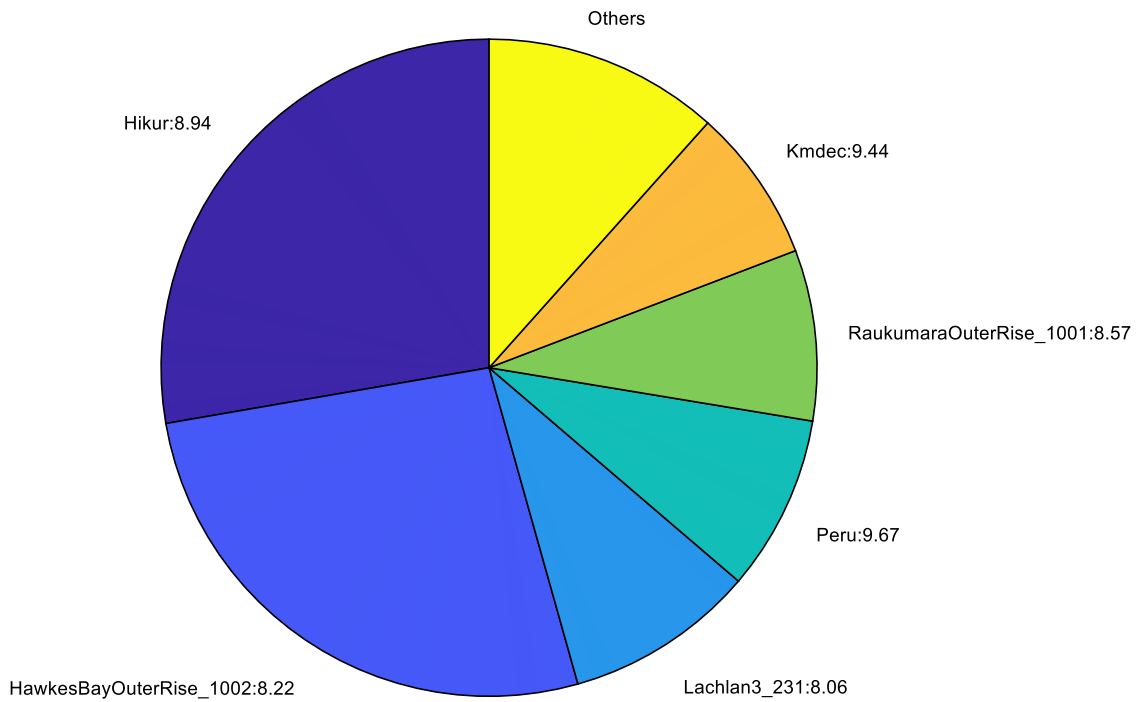
### A1.65 Coastal Section 65: Gisborne



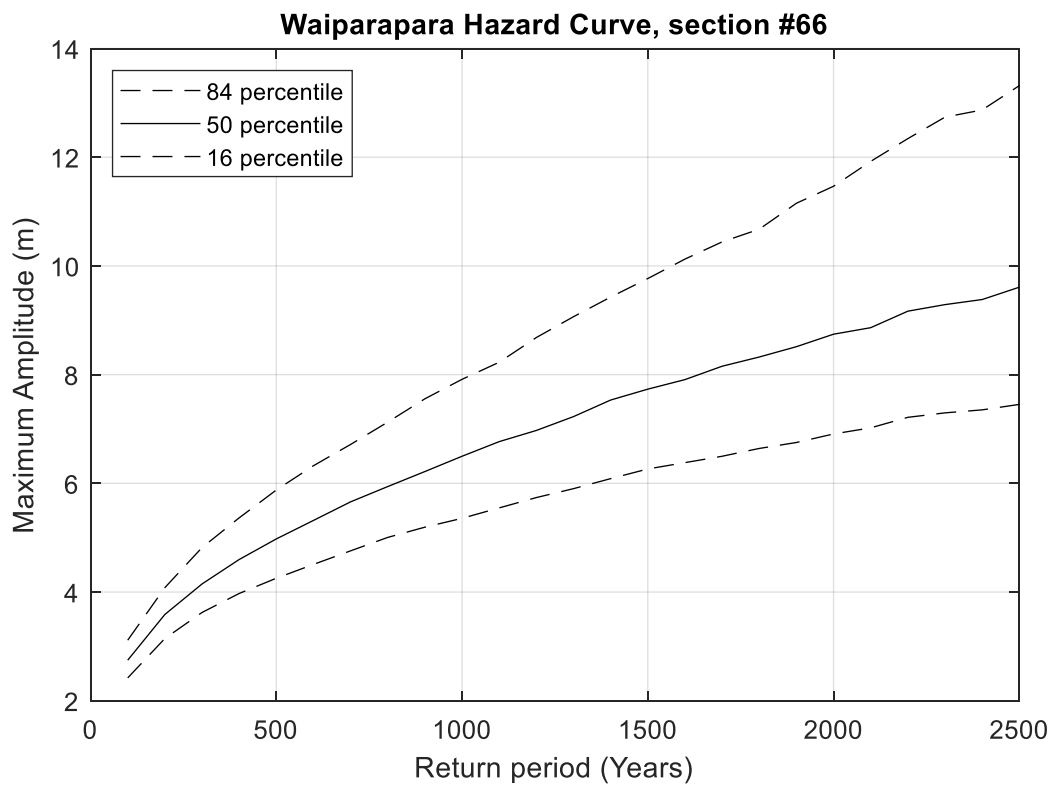
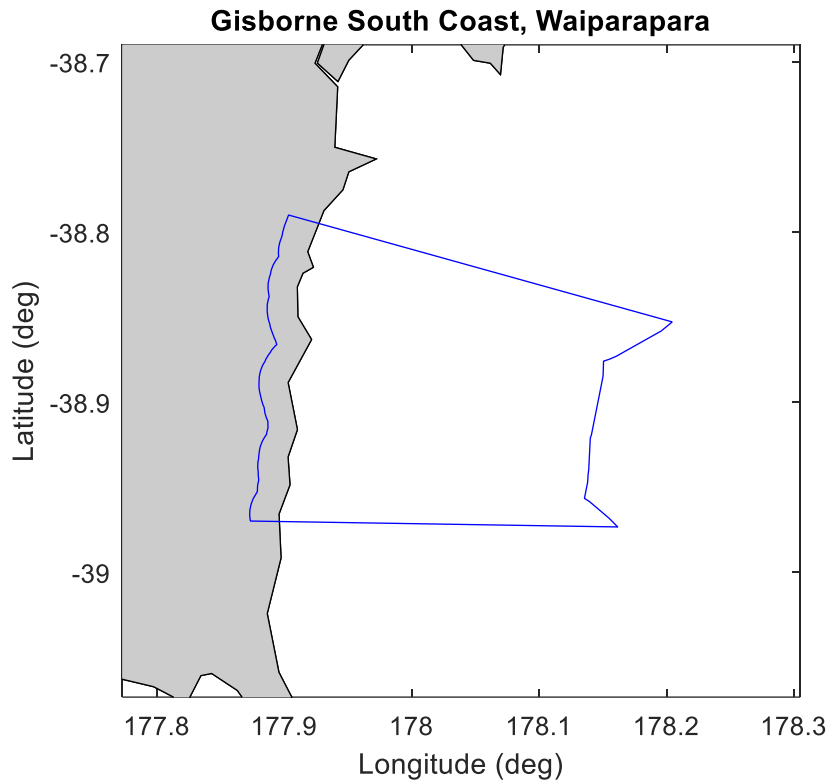
**Deaggregation of Section:65, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.15 m**



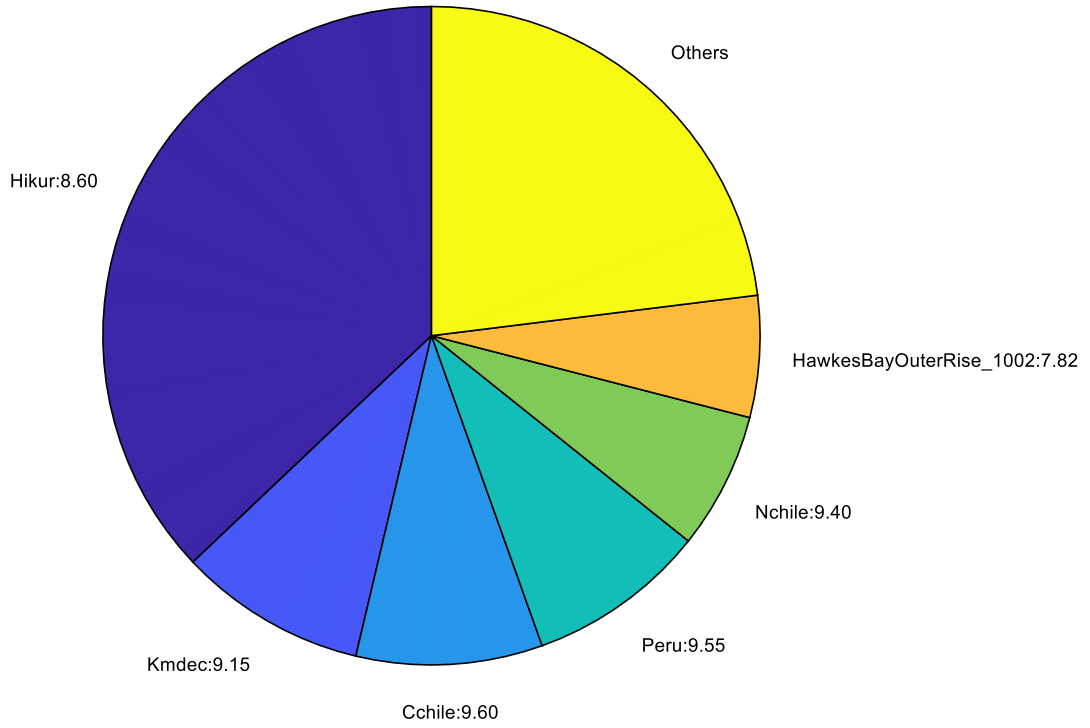
**Deaggregation of Section:65, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:10.76 m**



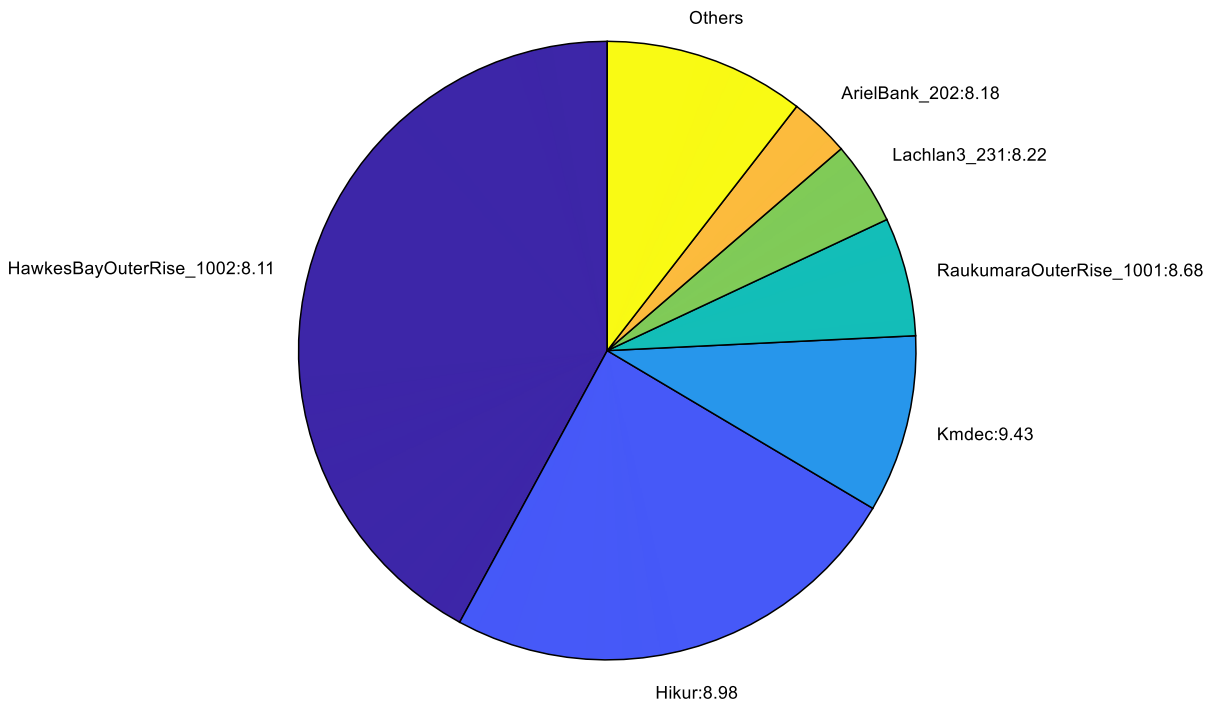
## A1.66 Coastal Section 66: Waiparapara



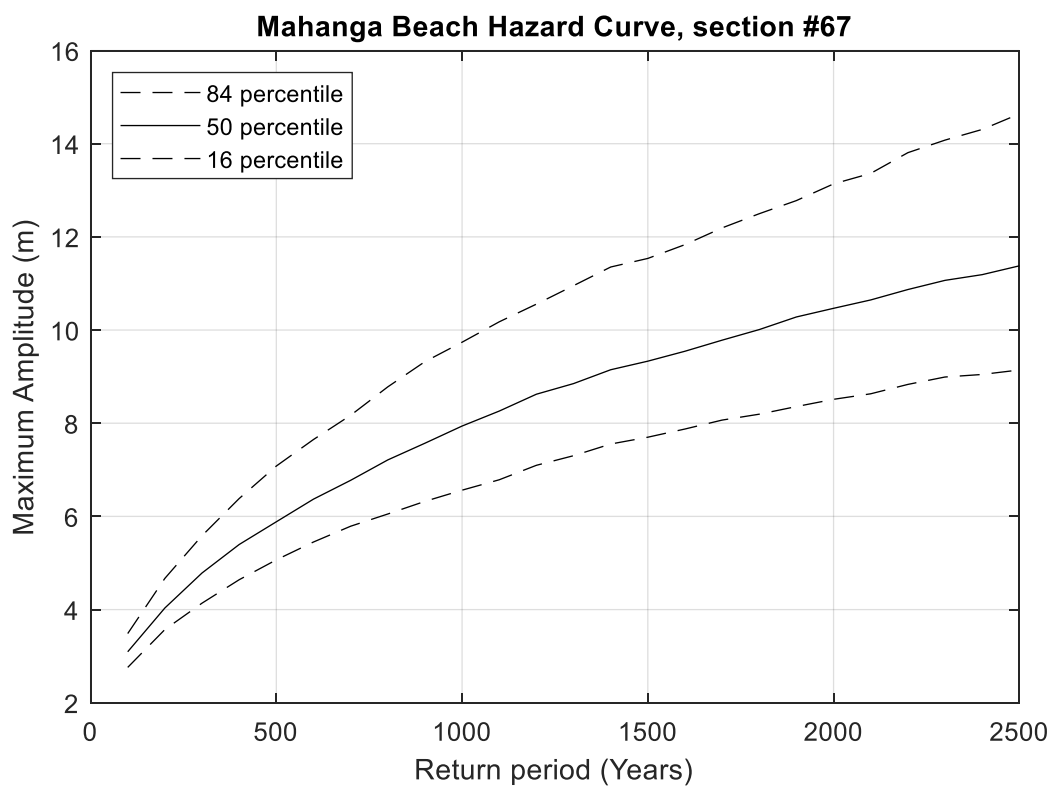
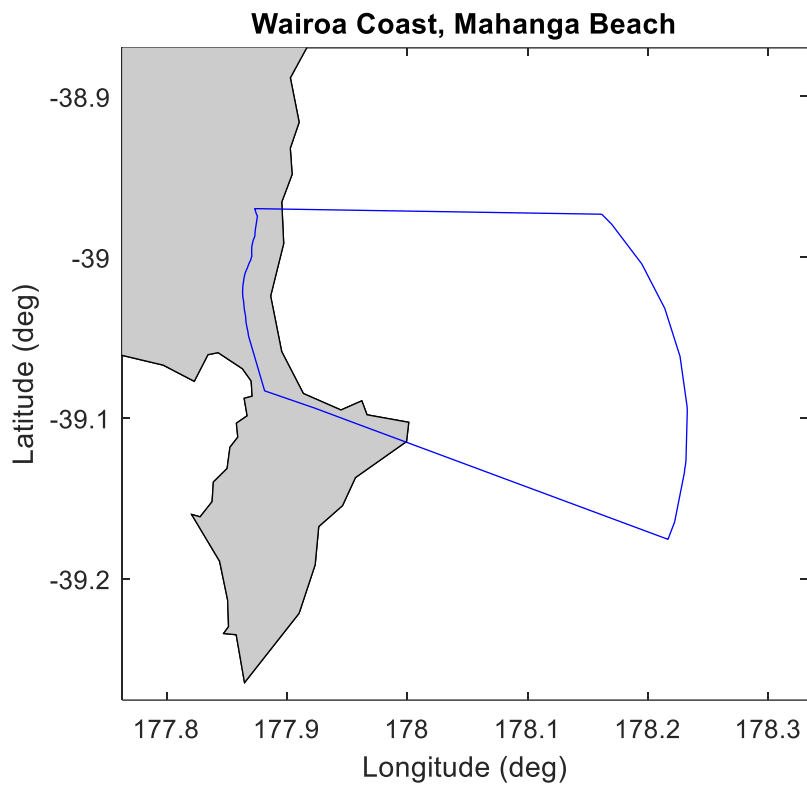
Deaggregation of Section:66, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.97 m



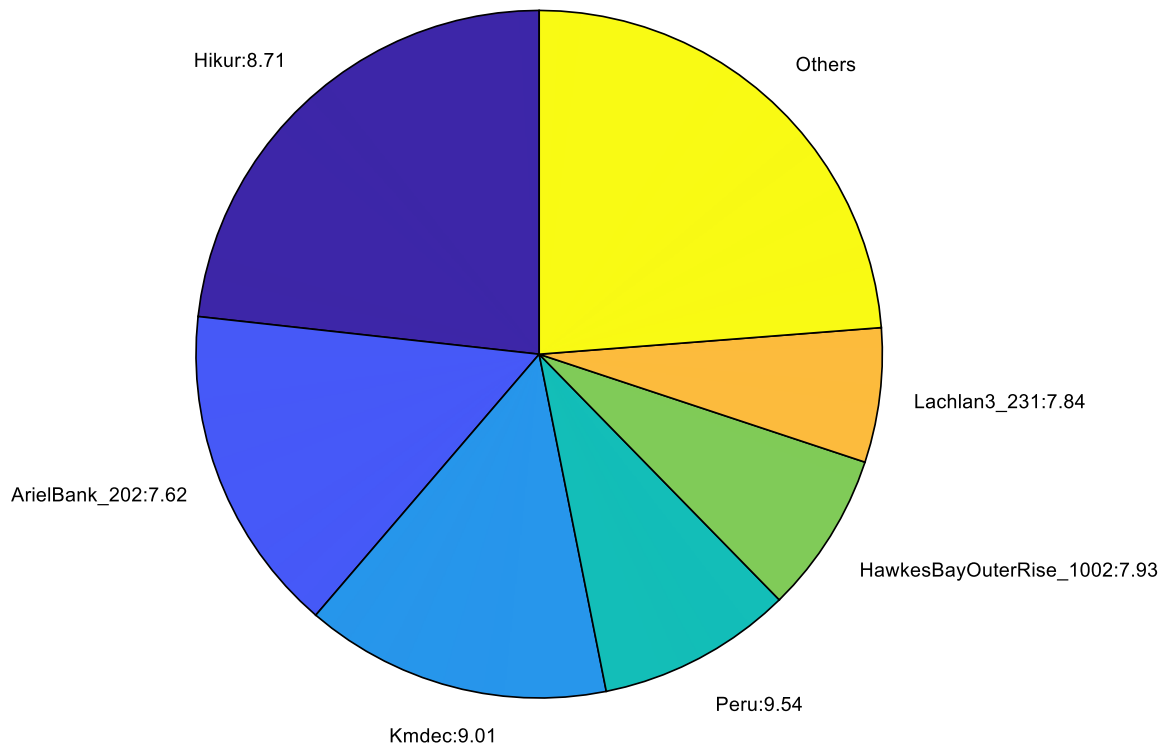
Deaggregation of Section:66, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:9.61 m



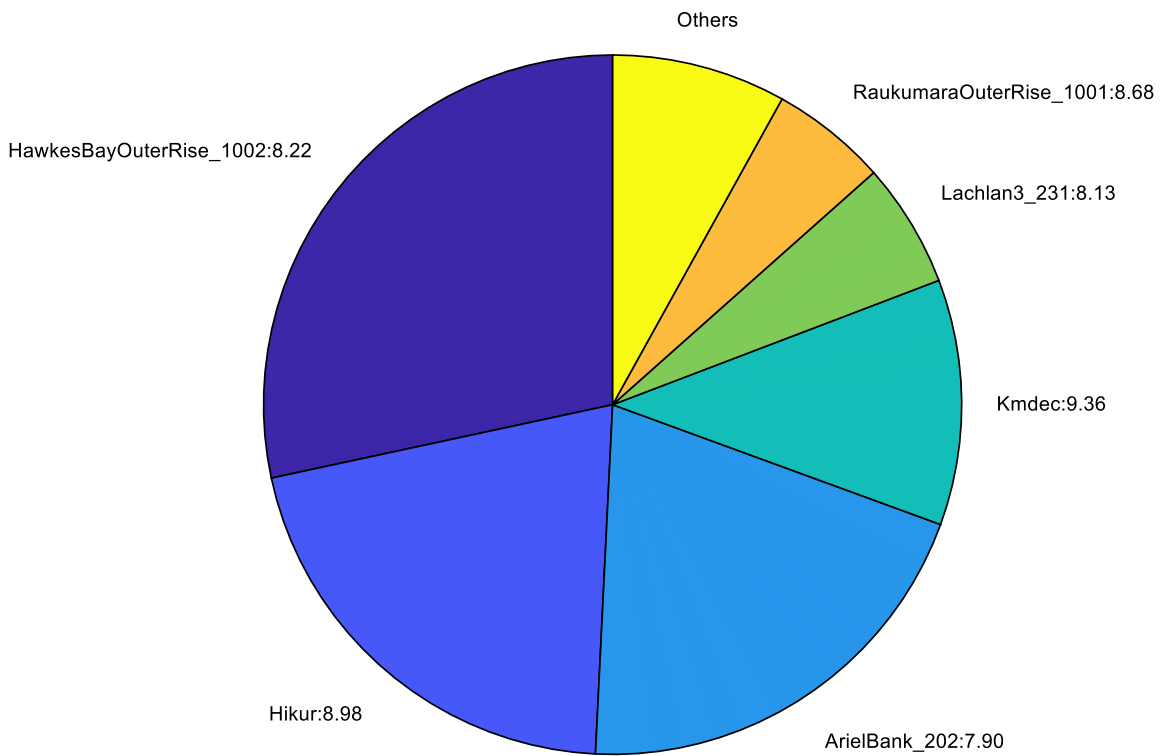
## A1.67 Coastal Section 67: Mahanga Beach



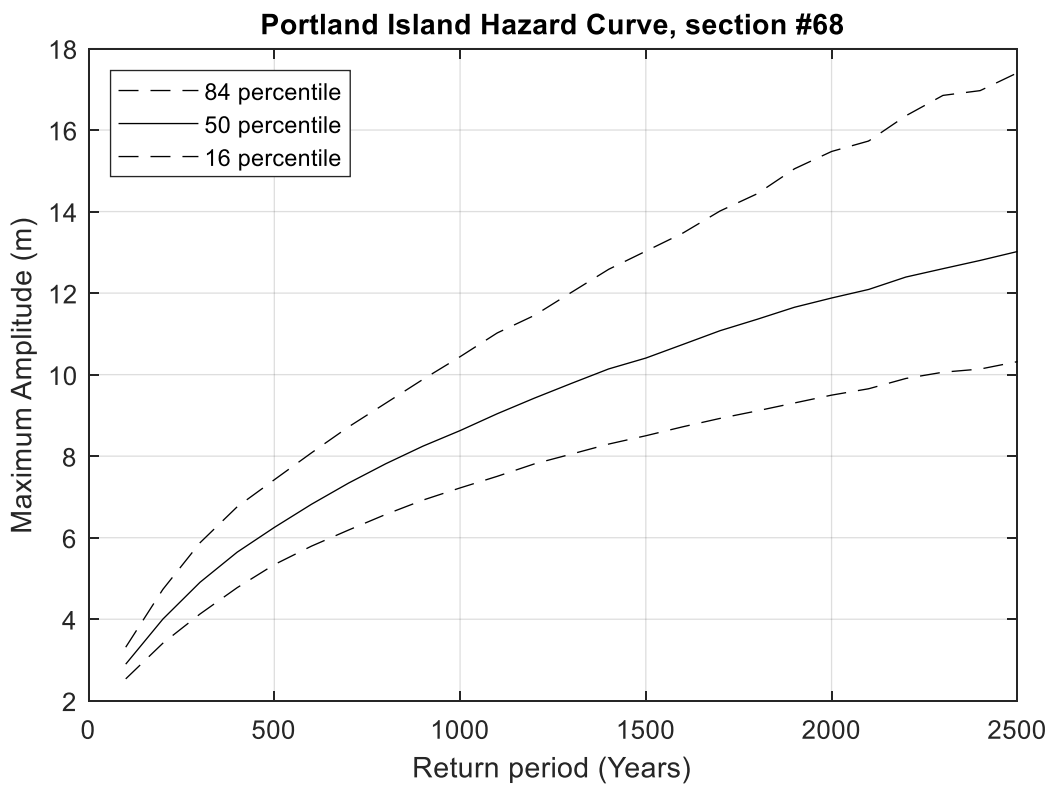
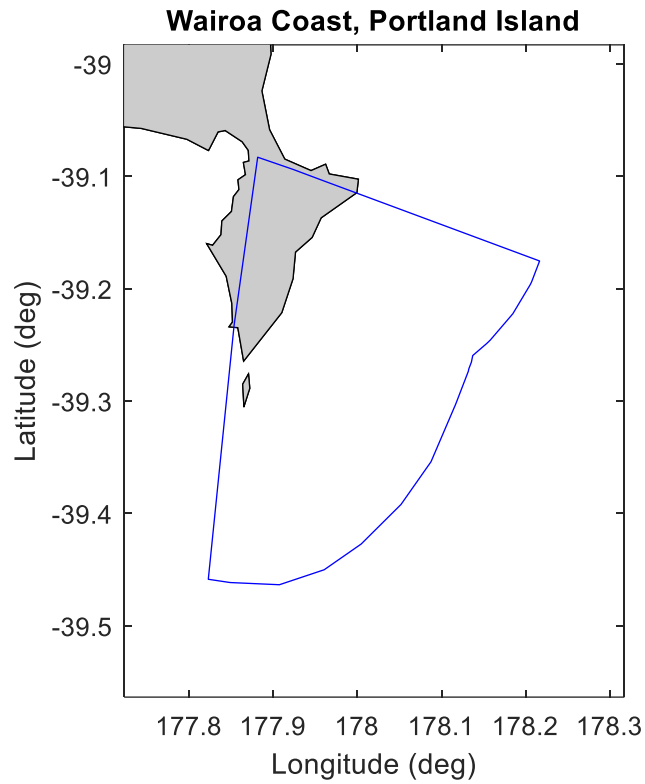
Deaggregation of Section:67, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.88 m



Deaggregation of Section:67, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:11.38 m

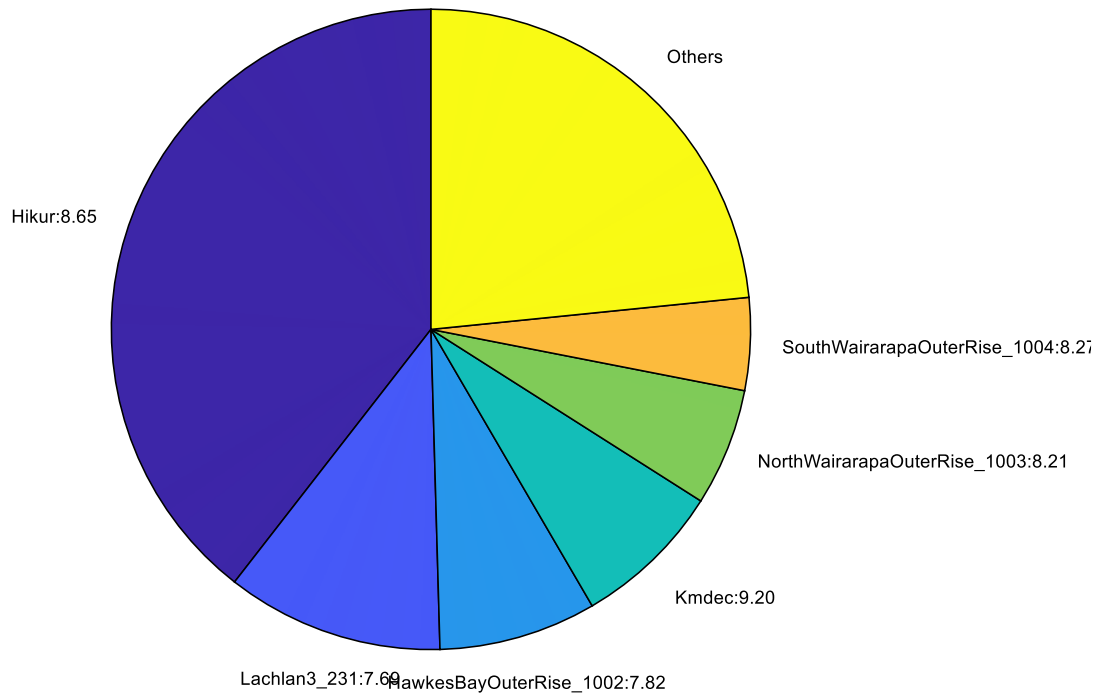


**A1.68 Coastal Section 68: Portland Island**

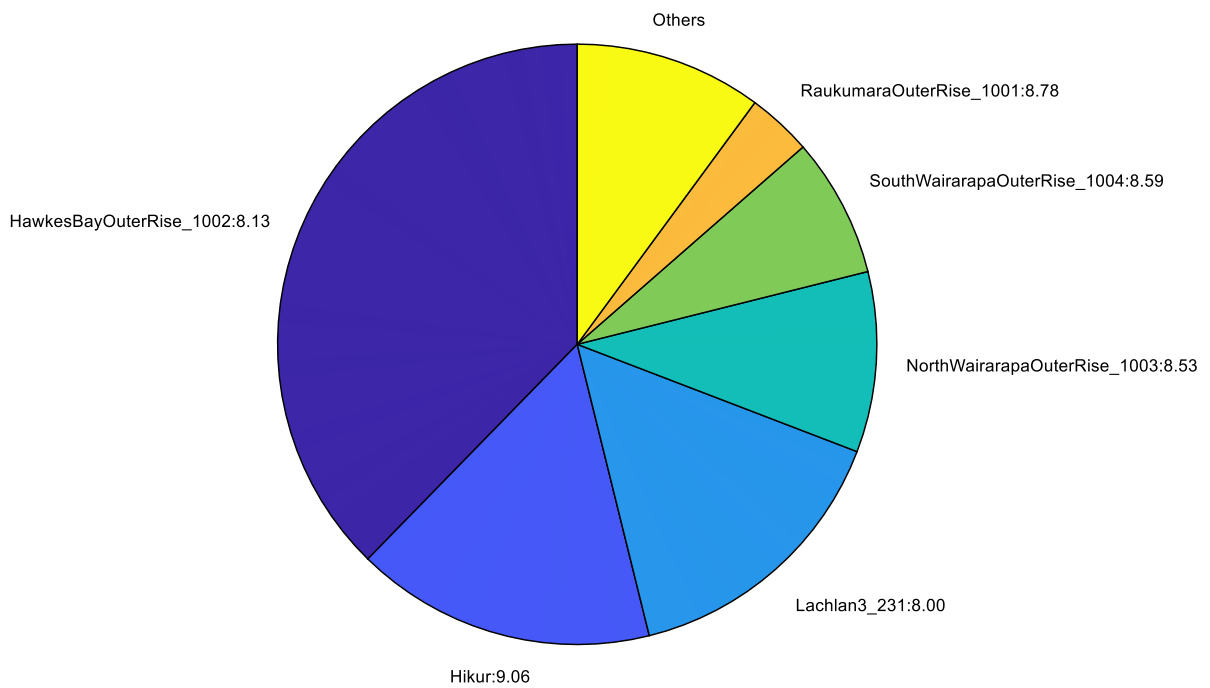




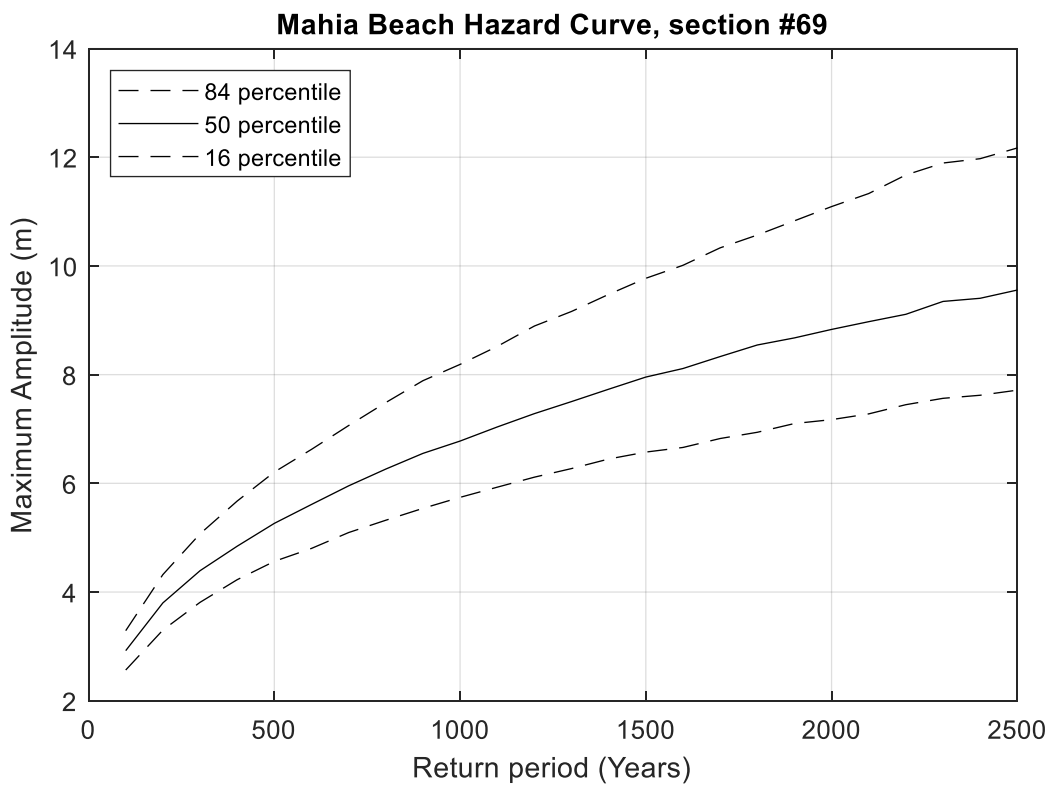
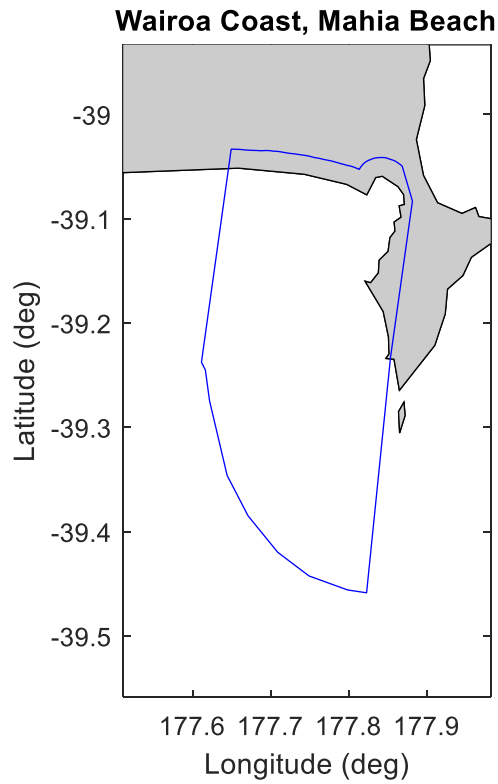
Deaggregation of Section:68, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.25 m



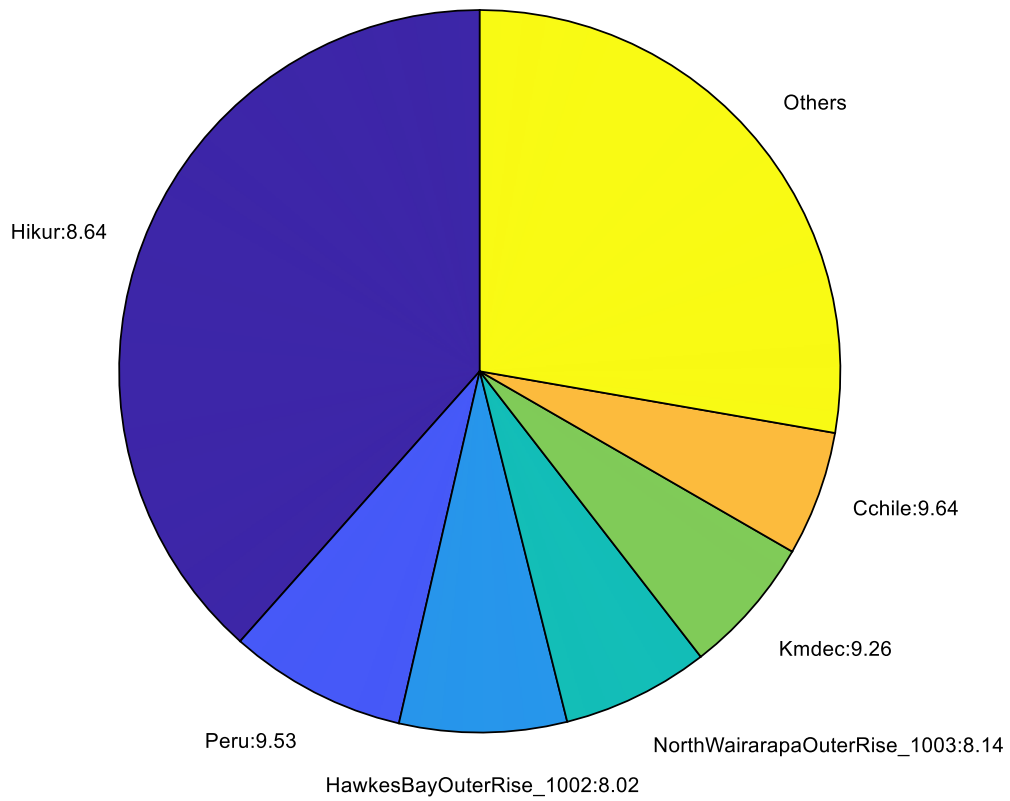
Deaggregation of Section:68, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:13.02 m



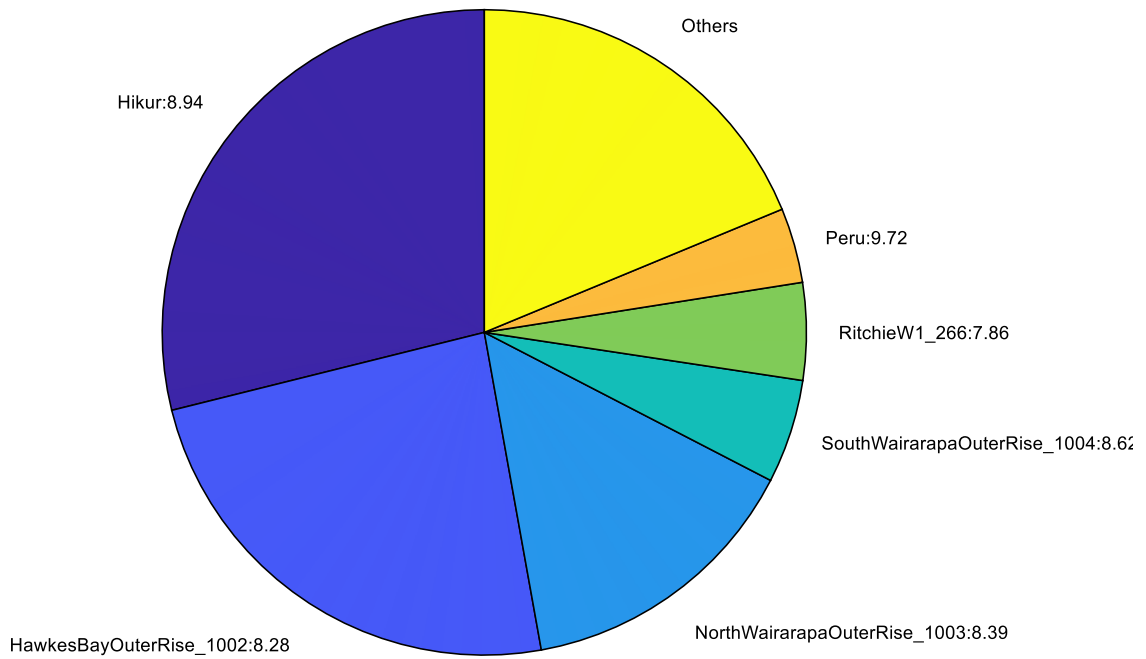
**A1.69 Coastal Section 69: Mahia Beach**



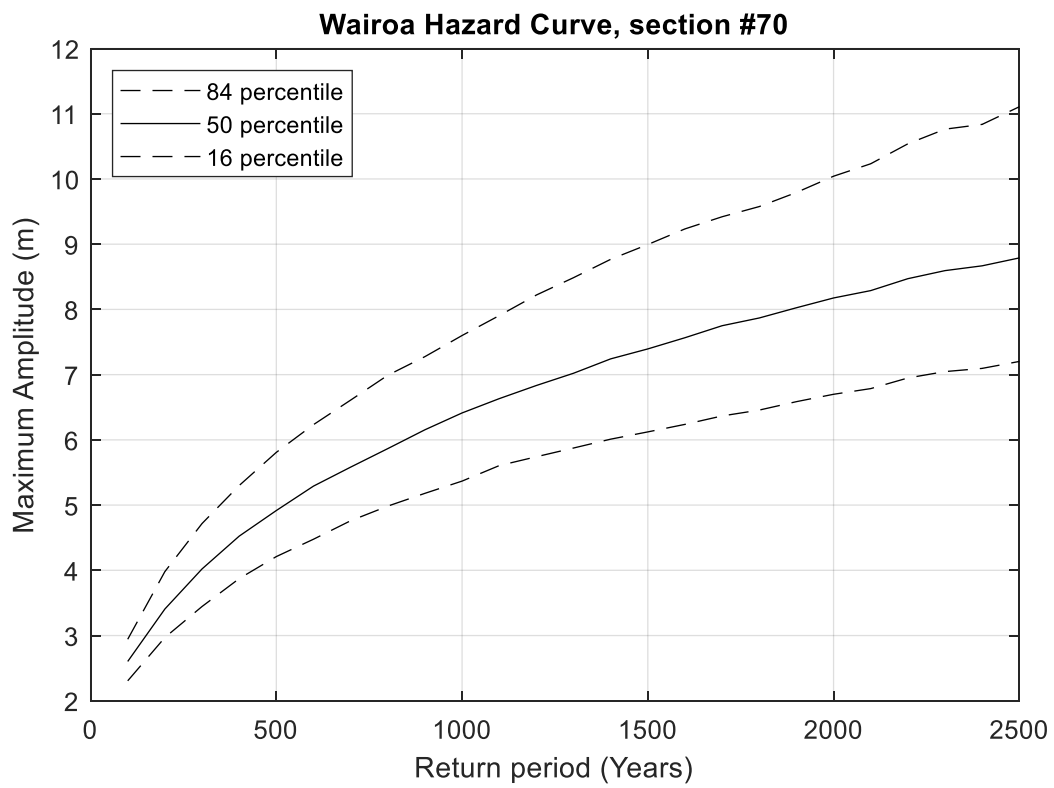
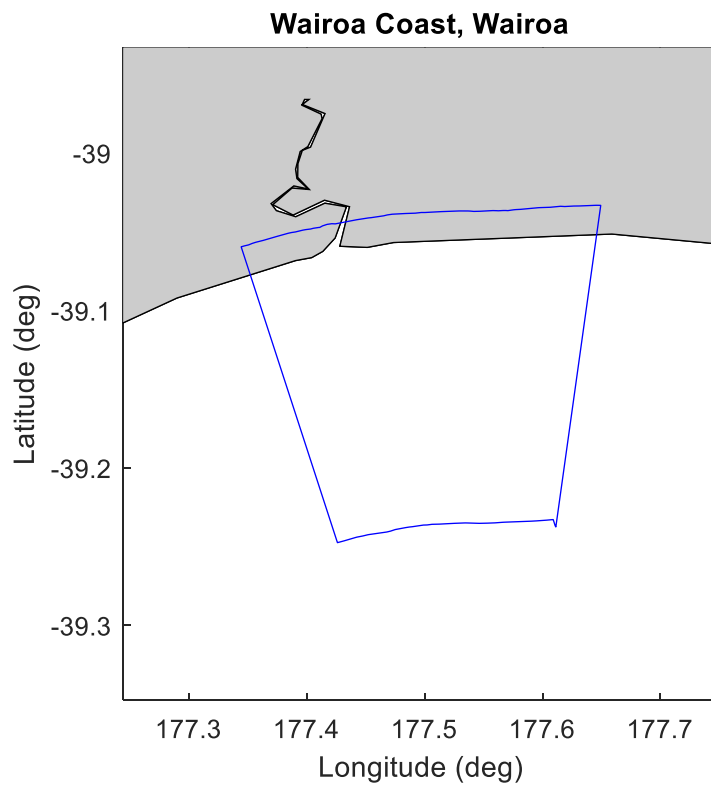
Deaggregation of Section:69, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.26 m



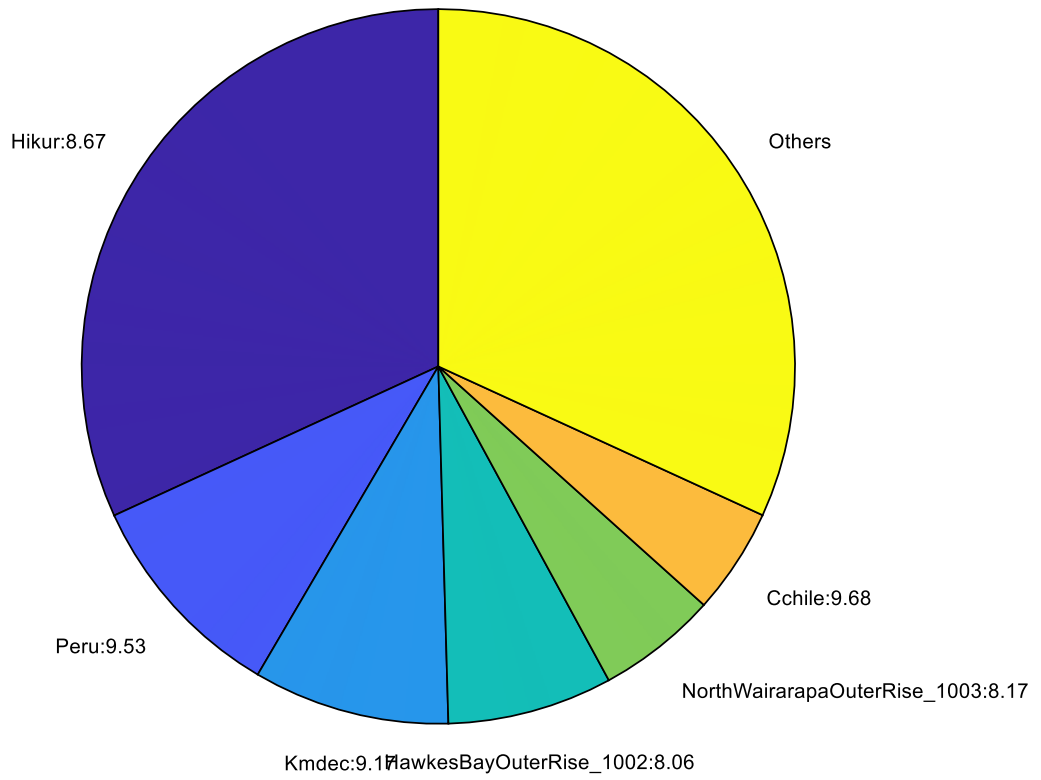
Deaggregation of Section:69, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:9.56 m



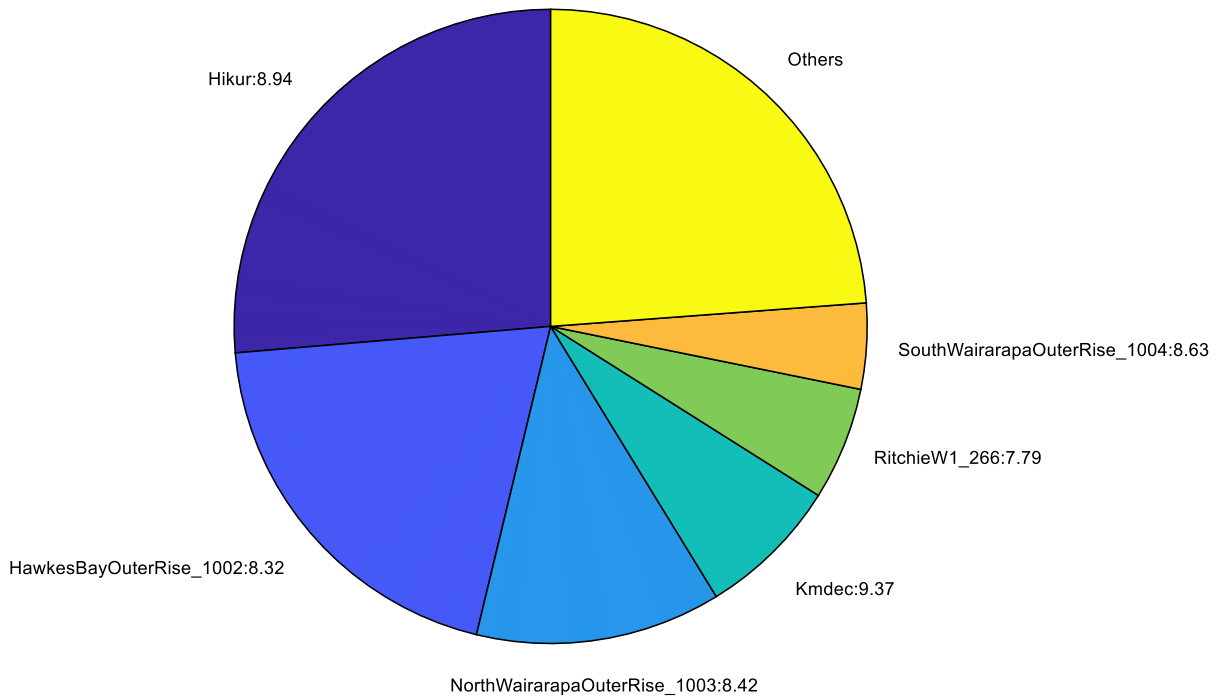
## A1.70 Coastal Section 70: Wairoa



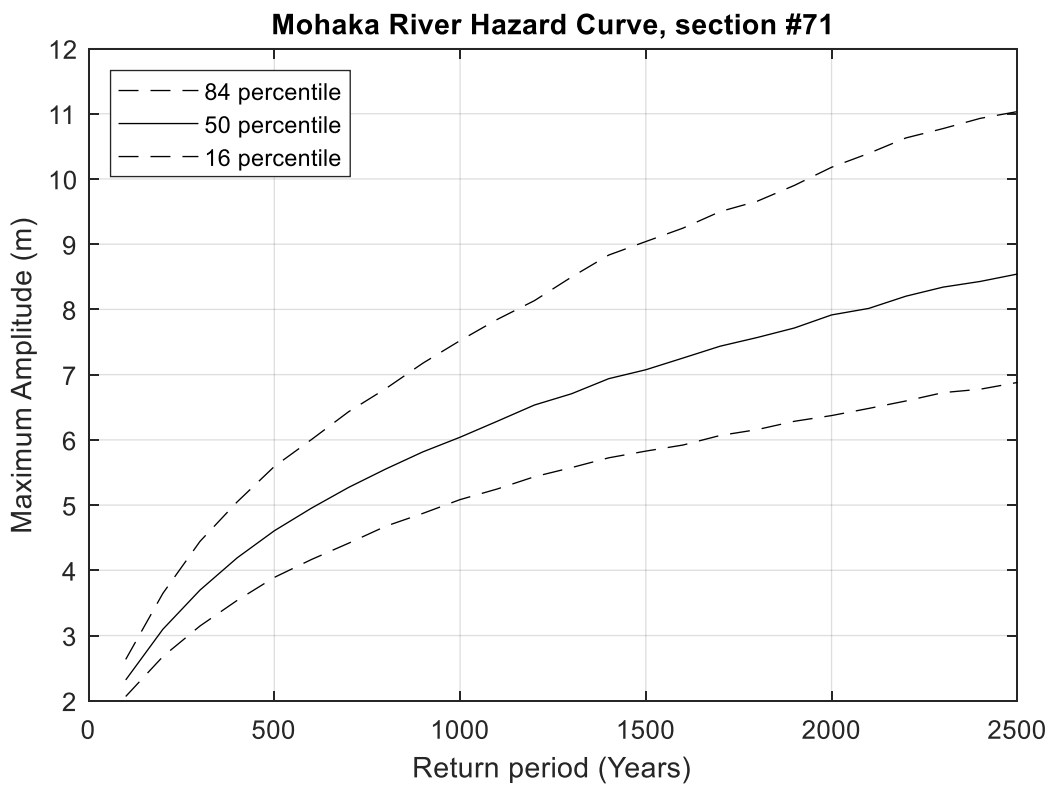
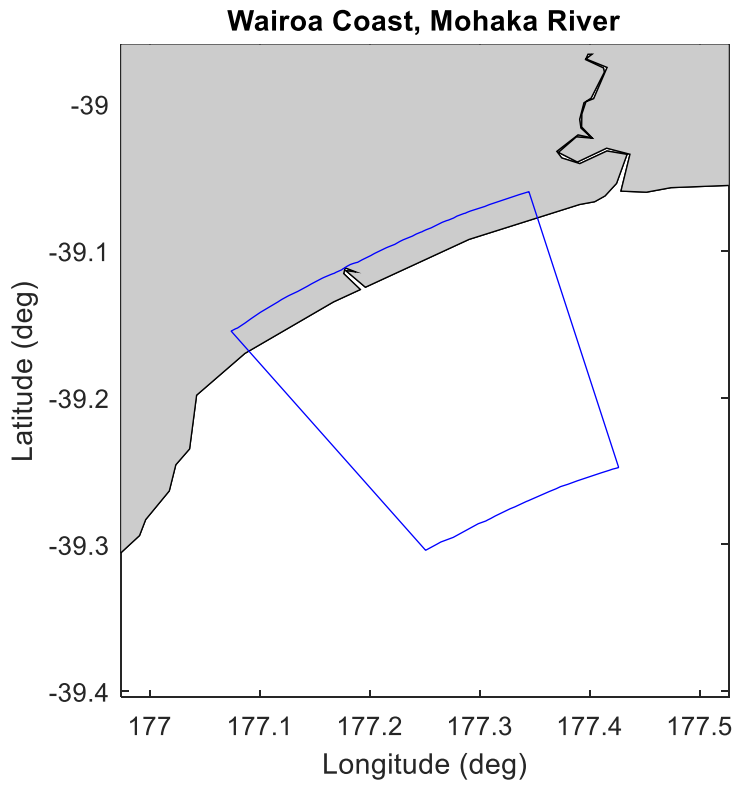
Deaggregation of Section:70, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.92 m



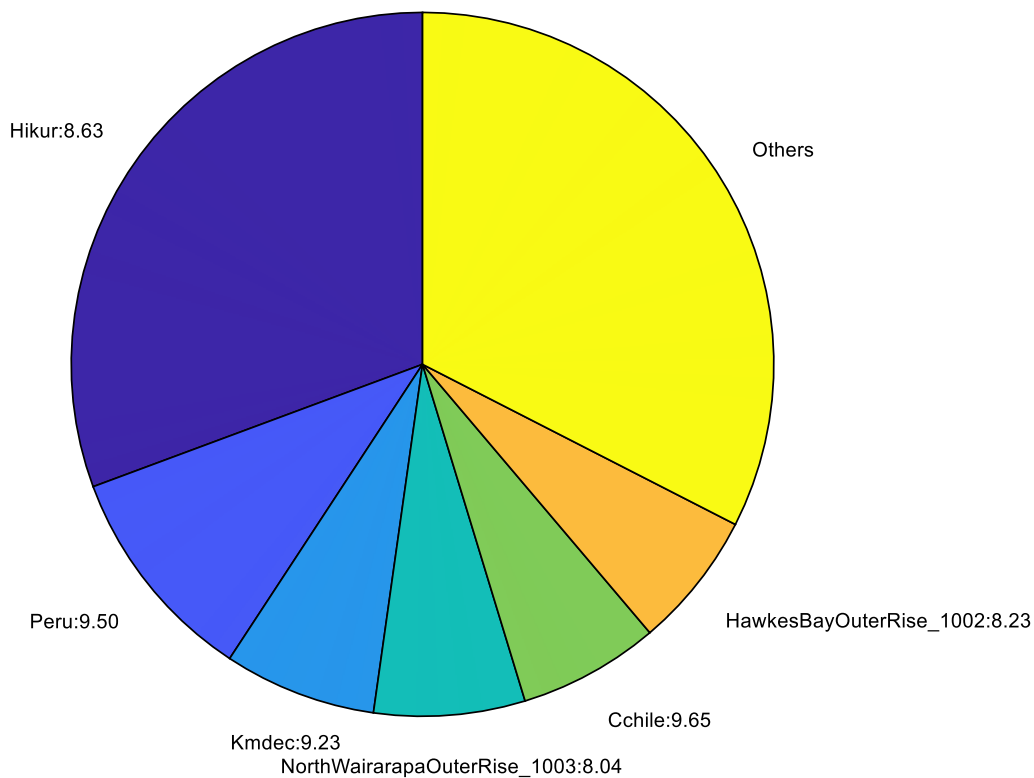
Deaggregation of Section:70, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.79 m



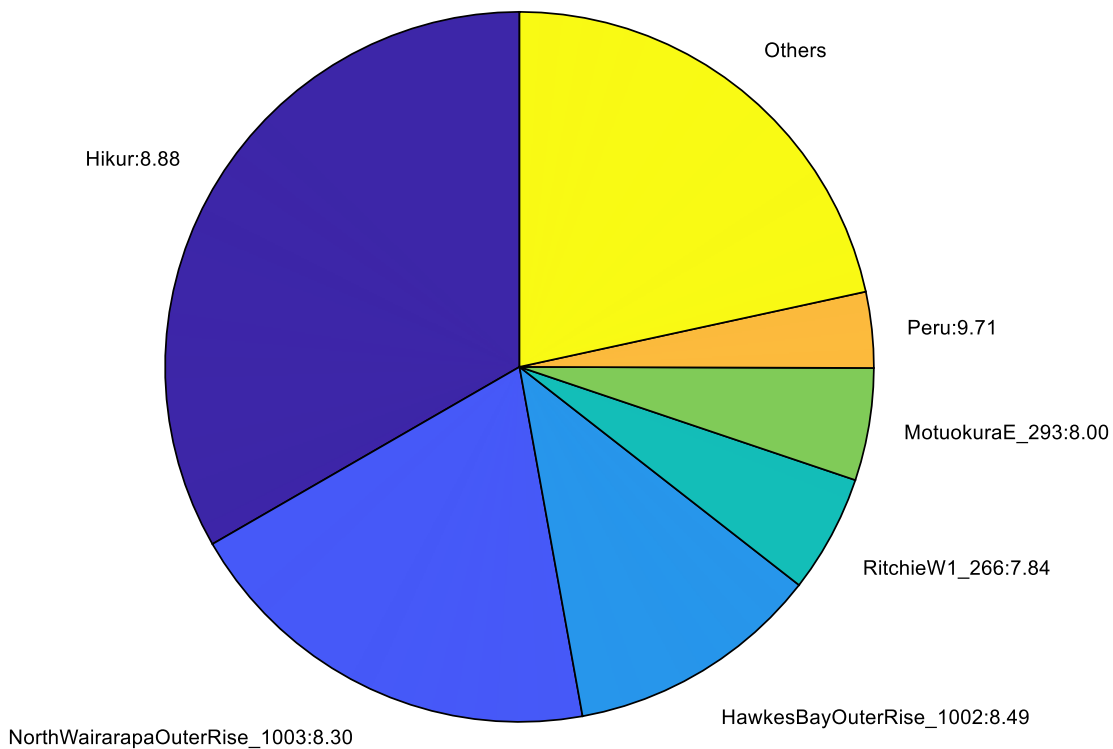
### A1.71 Coastal Section 71: Mohaka River



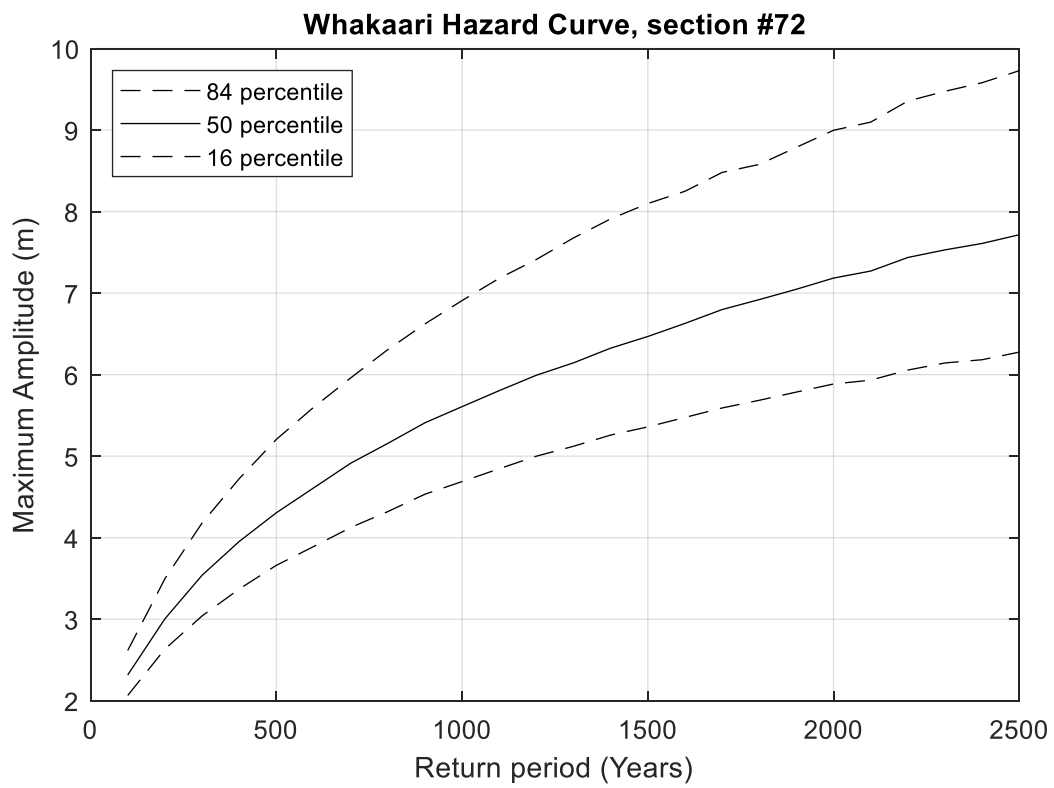
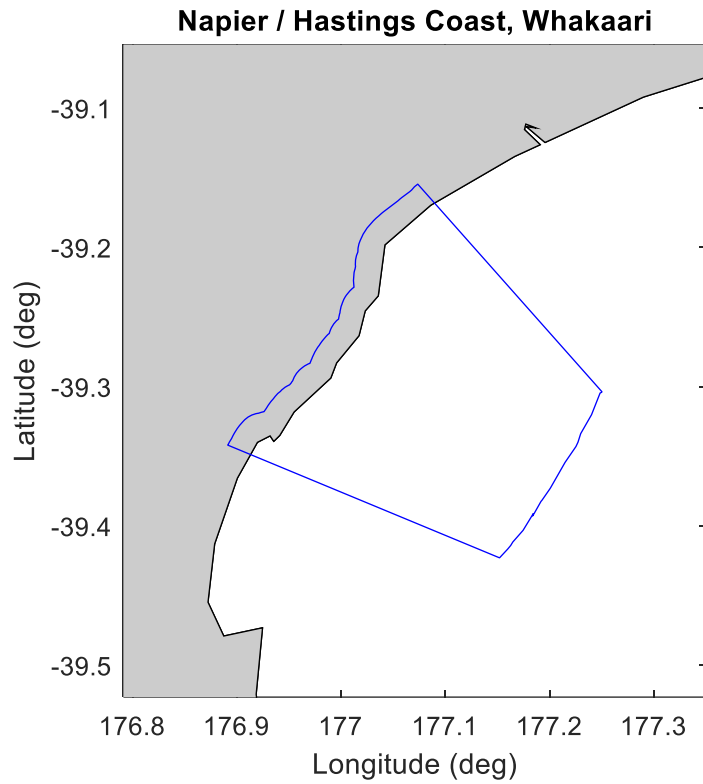
Deaggregation of Section:71, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.60 m



Deaggregation of Section:71, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.54 m

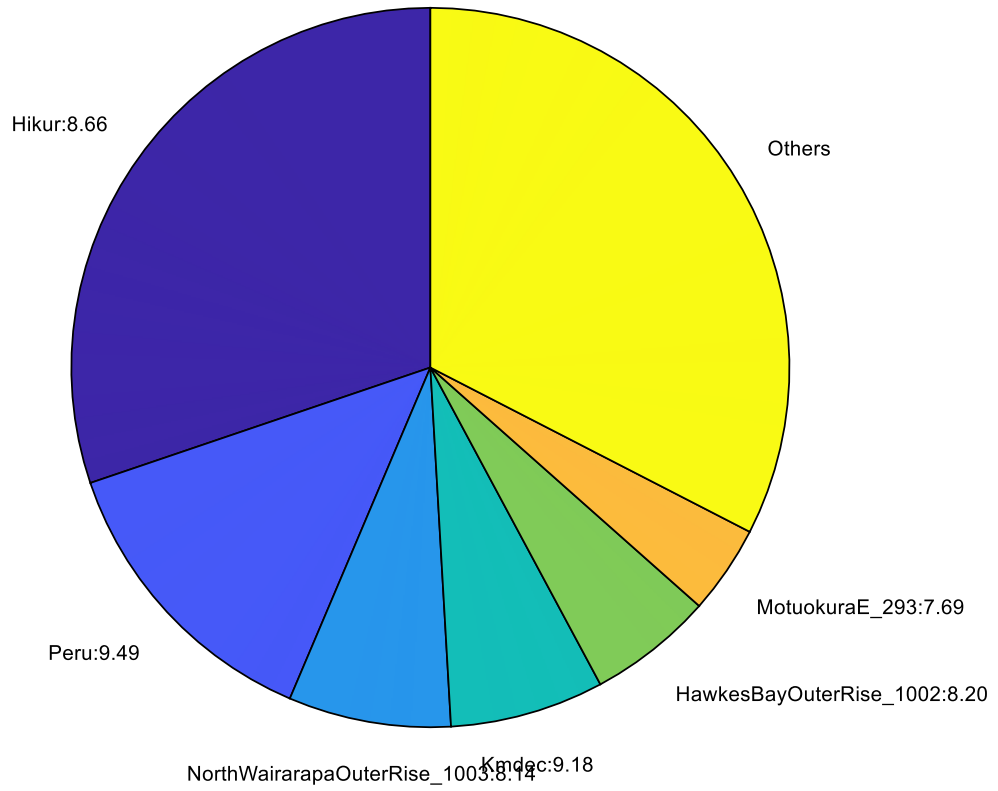


## A1.72 Coastal Section 72: Whakaari

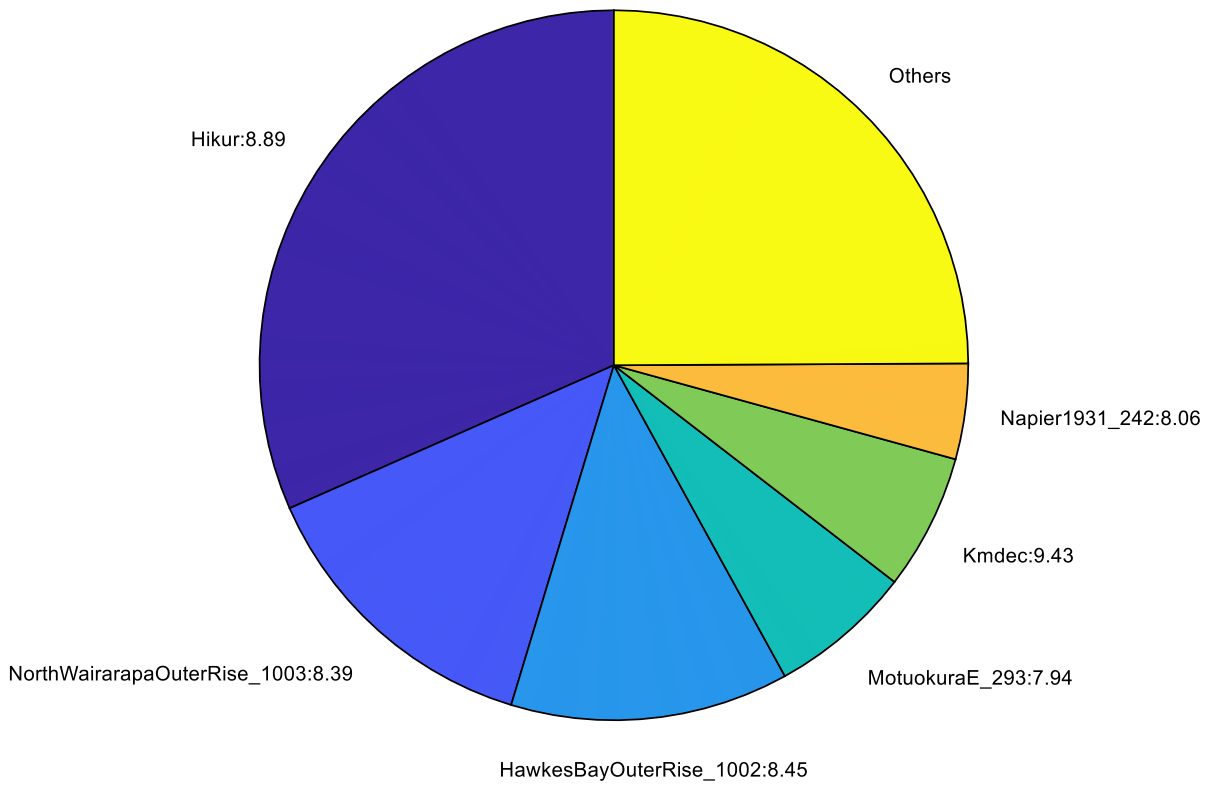




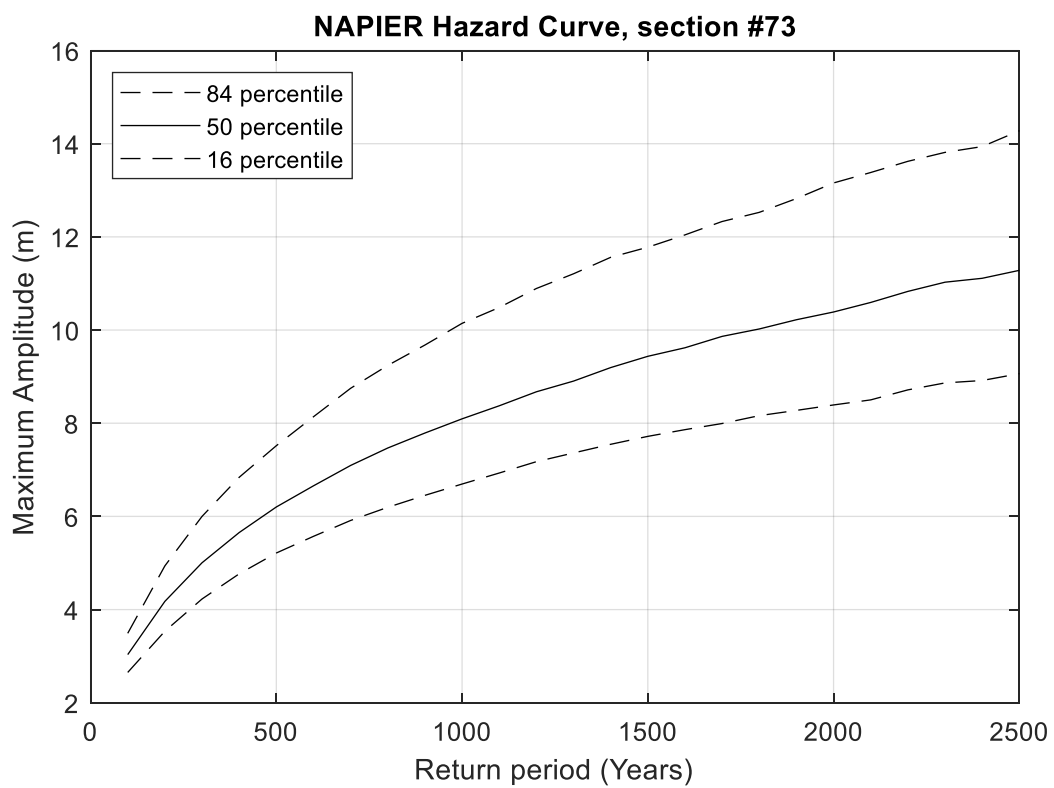
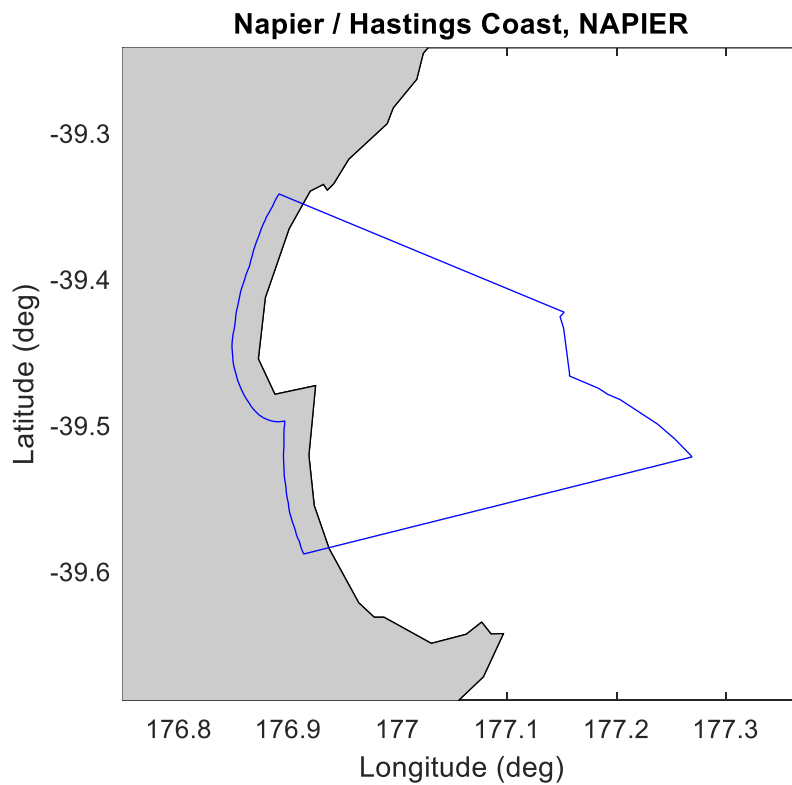
Deaggregation of Section:72, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.30 m



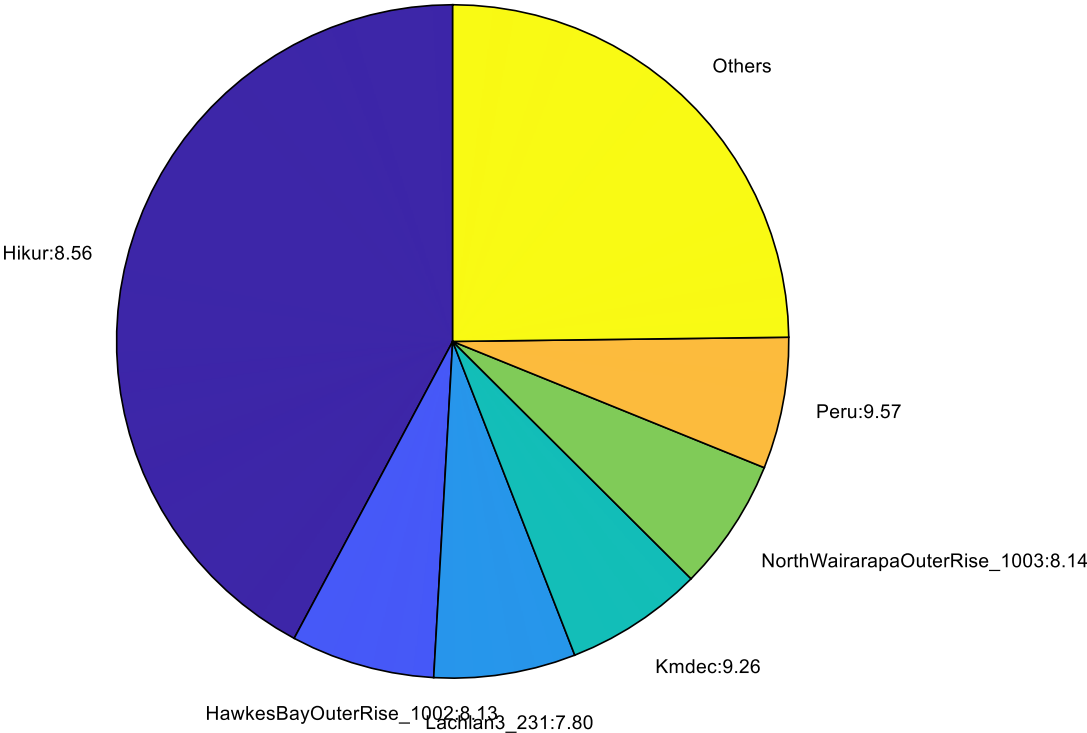
Deaggregation of Section:72, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.72 m



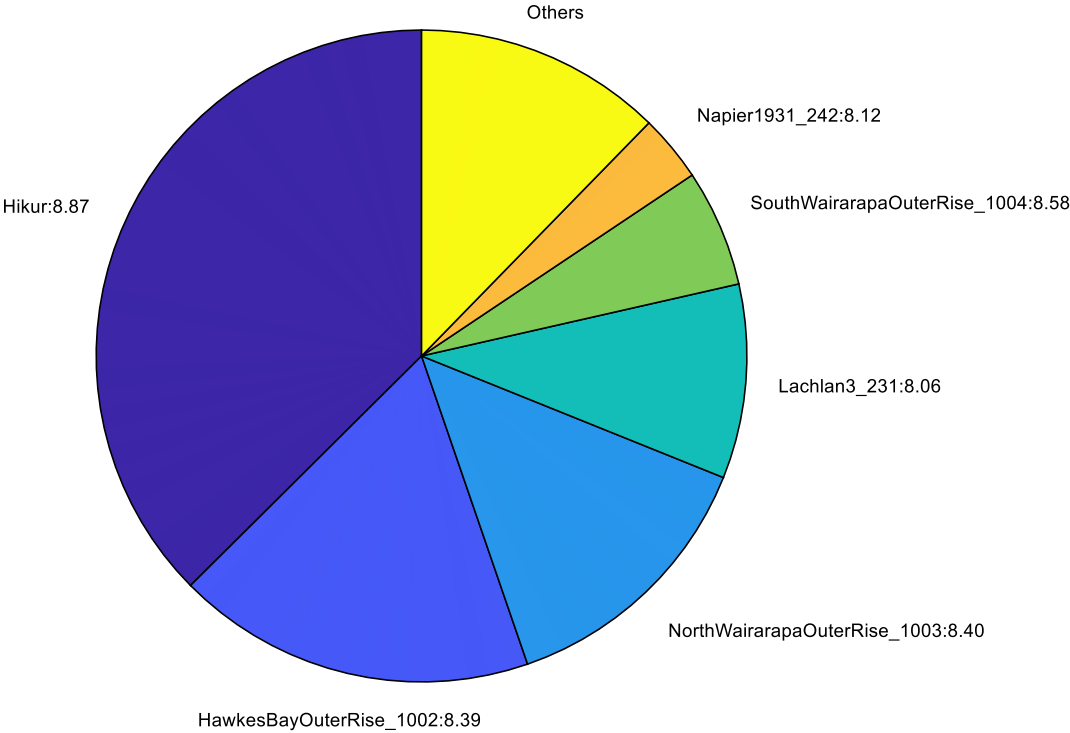
### A1.73 Coastal Section 73: Napier



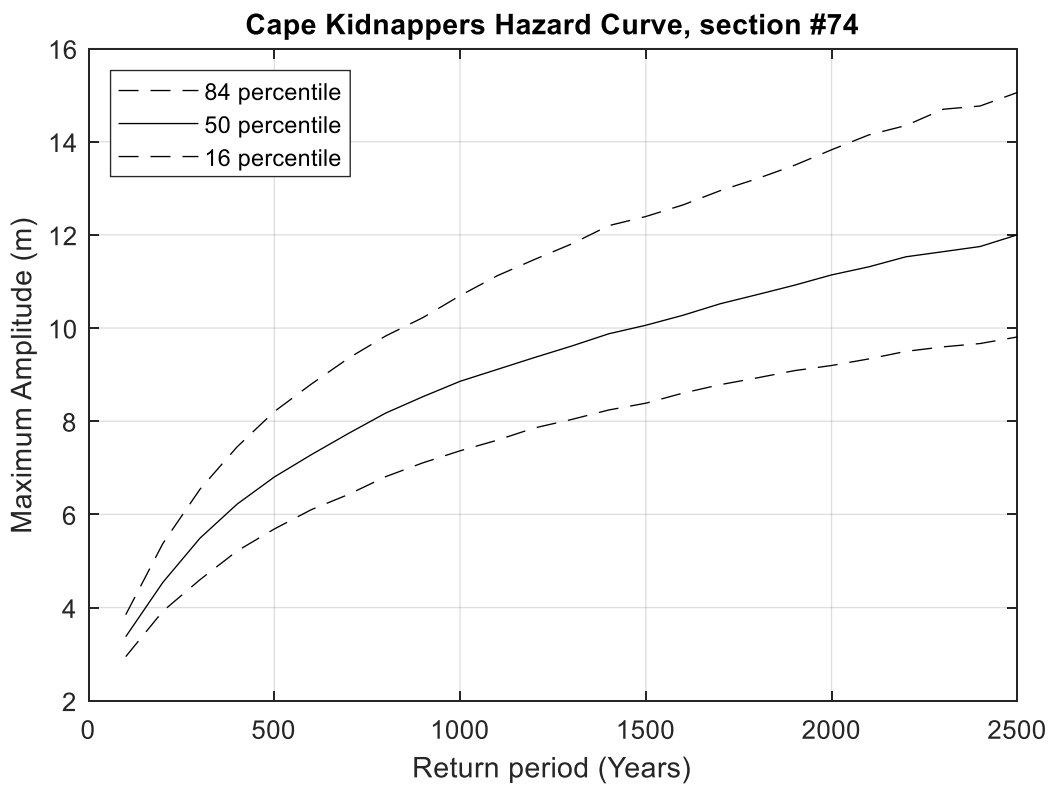
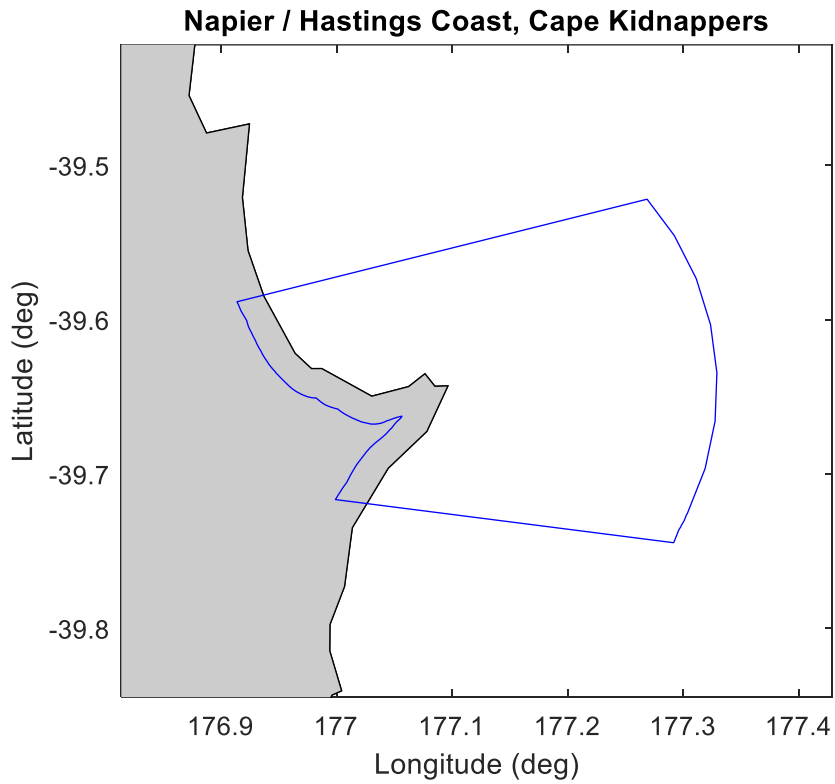
Deaggregation of Section:73, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.20 m



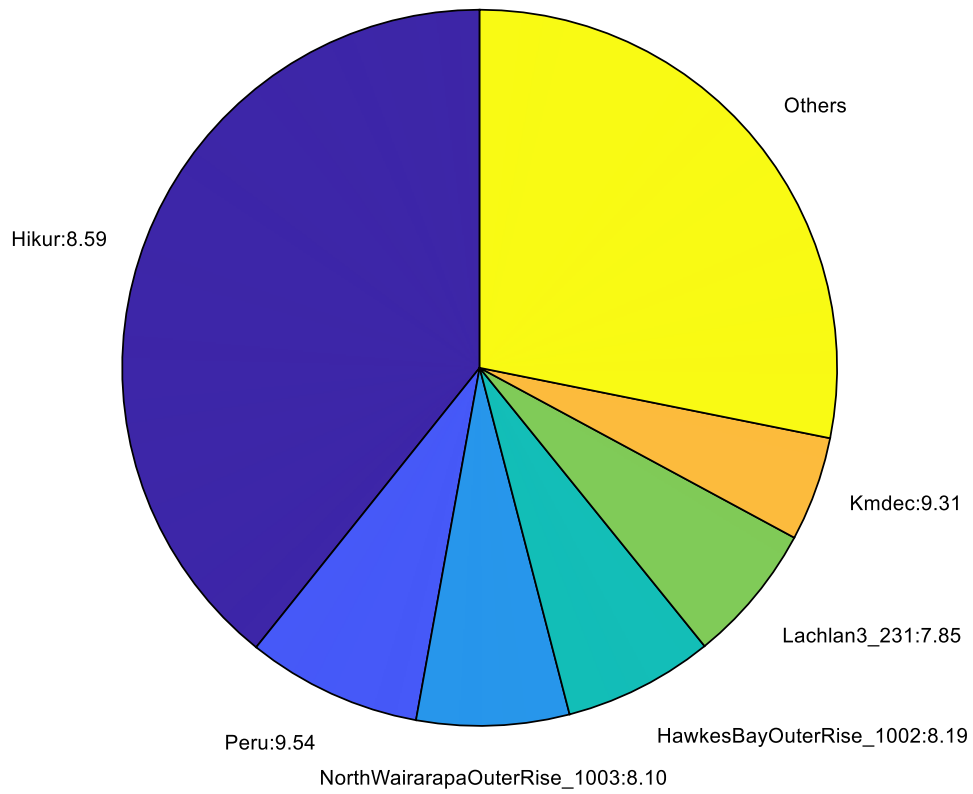
Deaggregation of Section:73, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:11.28 m



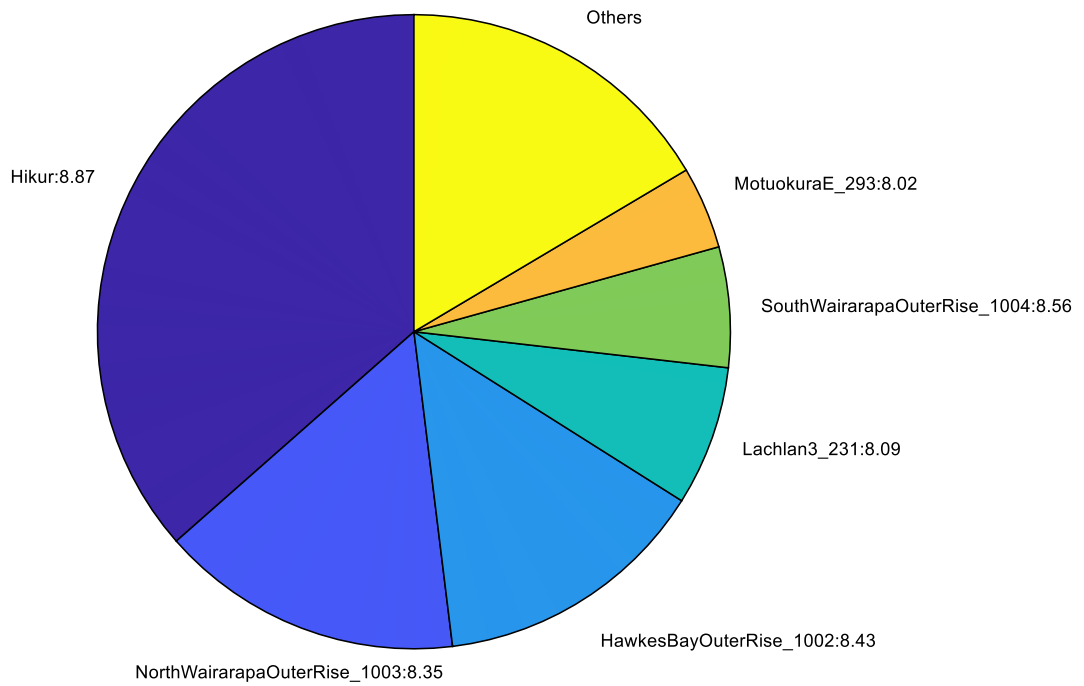
### A1.74 Coastal Section 74: Cape Kidnappers



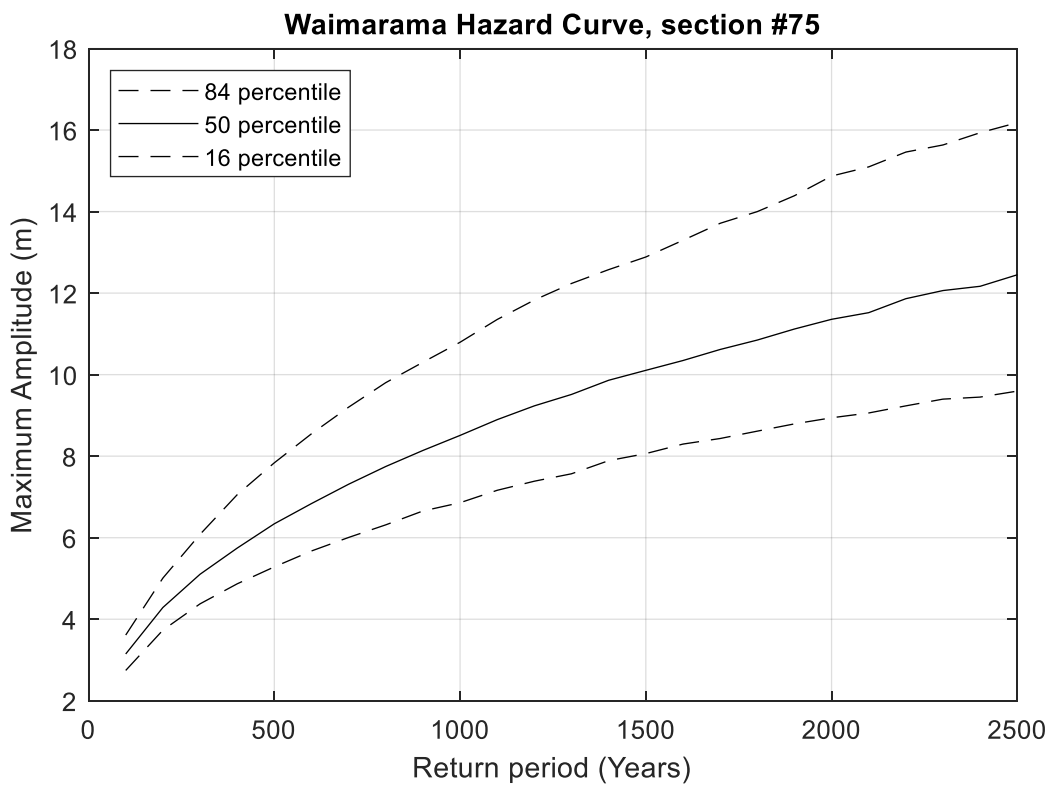
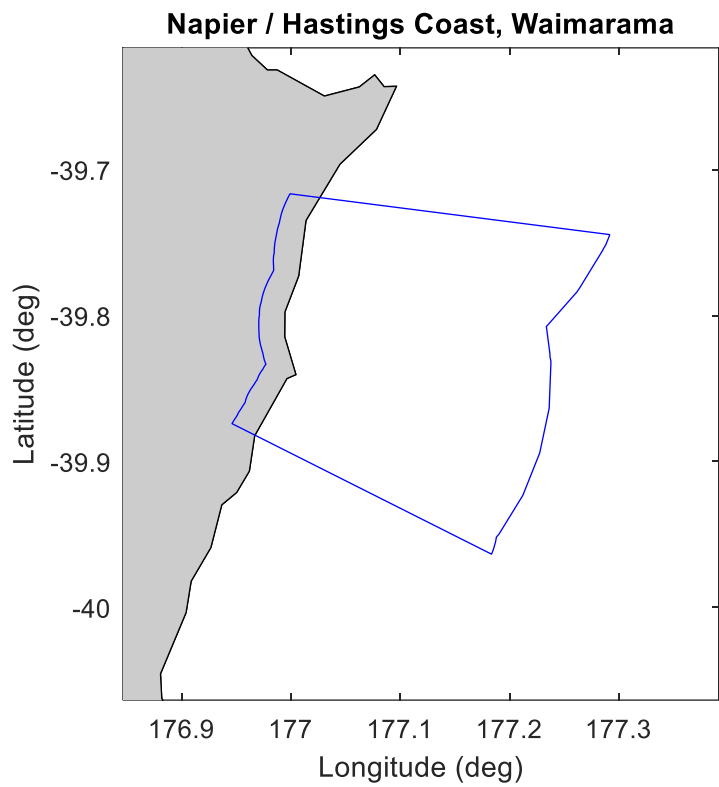
Deaggregation of Section:74, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.80 m



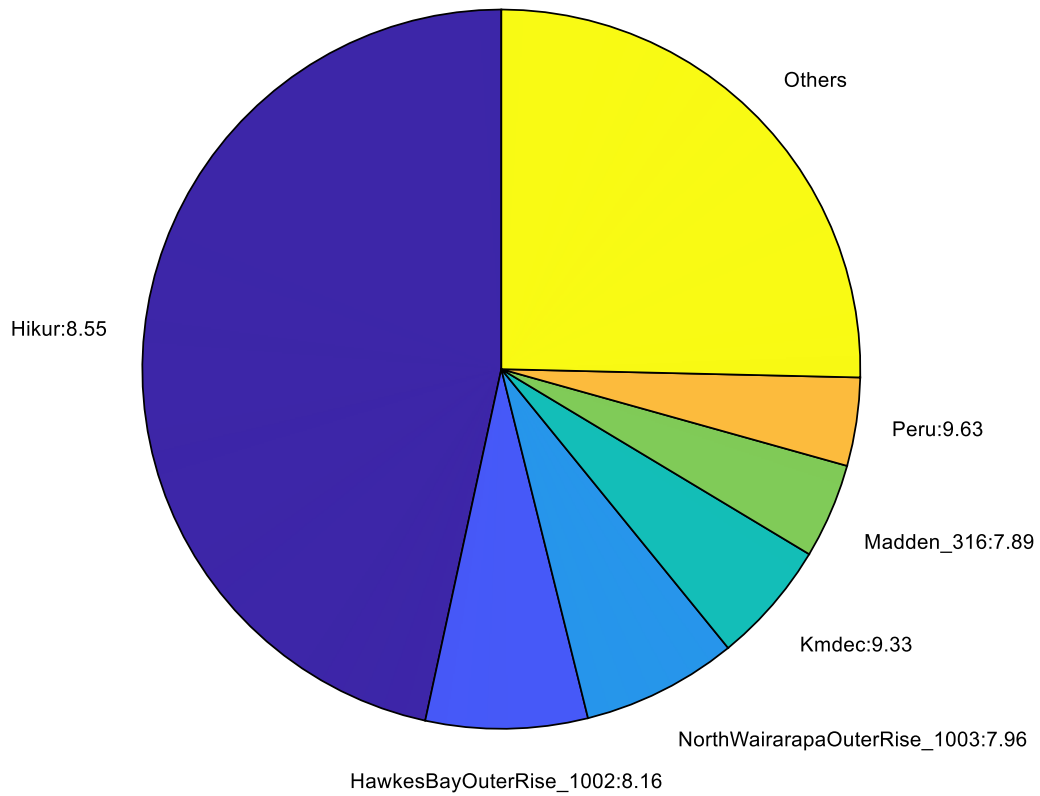
Deaggregation of Section:74, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:12.00 m



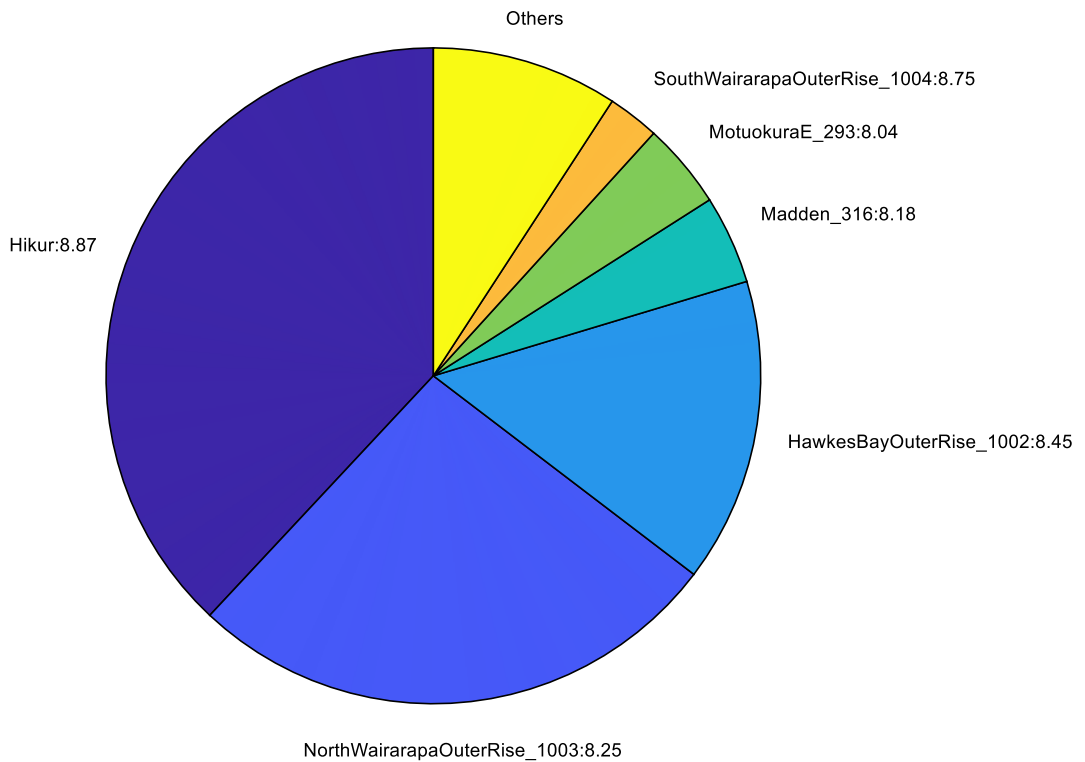
## A1.75 Coastal Section 75: Waimarama



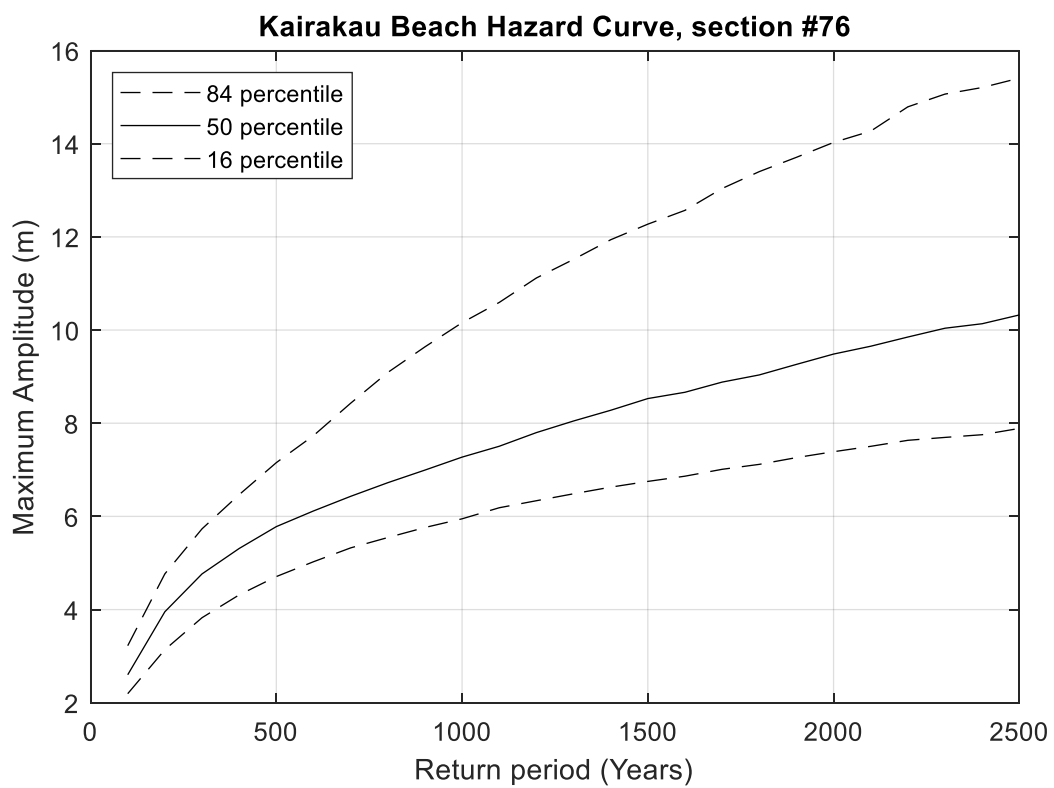
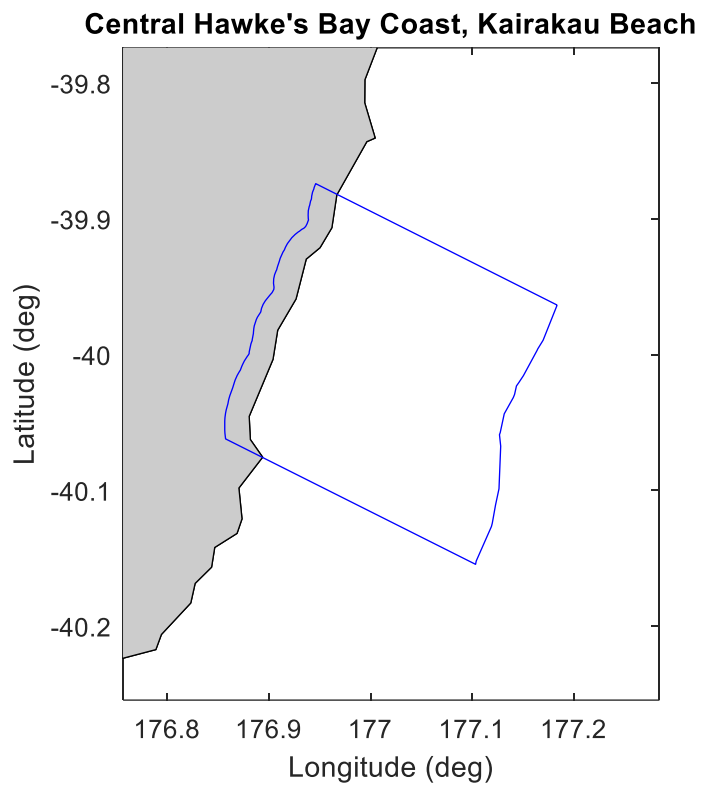
Deaggregation of Section:75, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.33 m



Deaggregation of Section:75, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:12.42 m

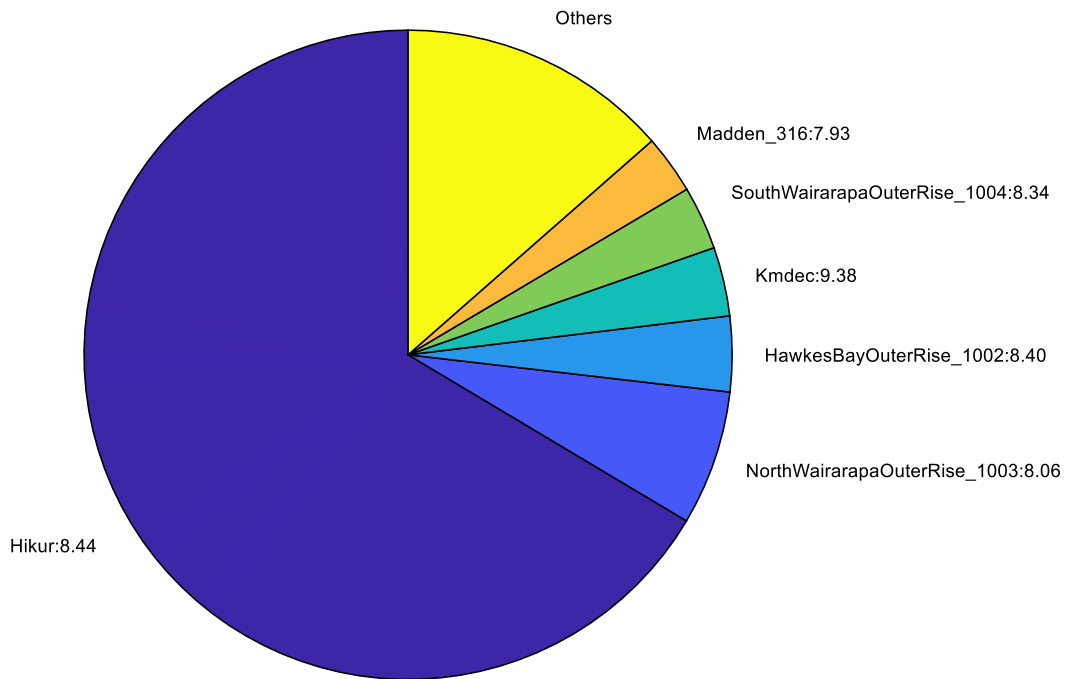


## A1.76 Coastal Section 76: Kairakau Beach

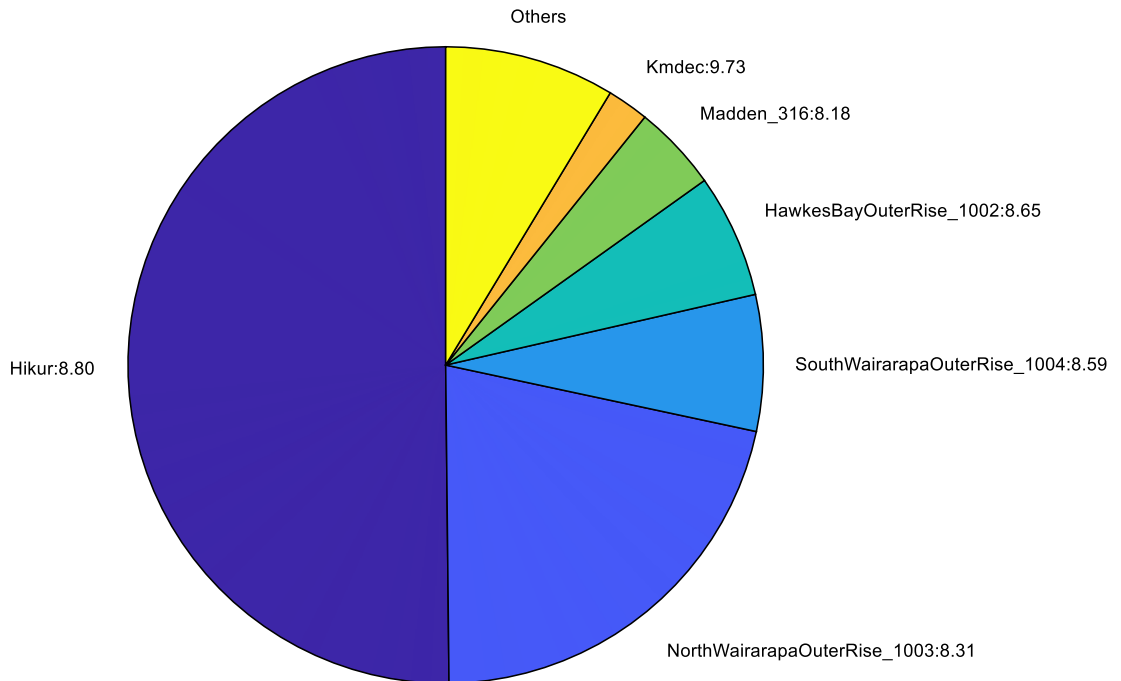




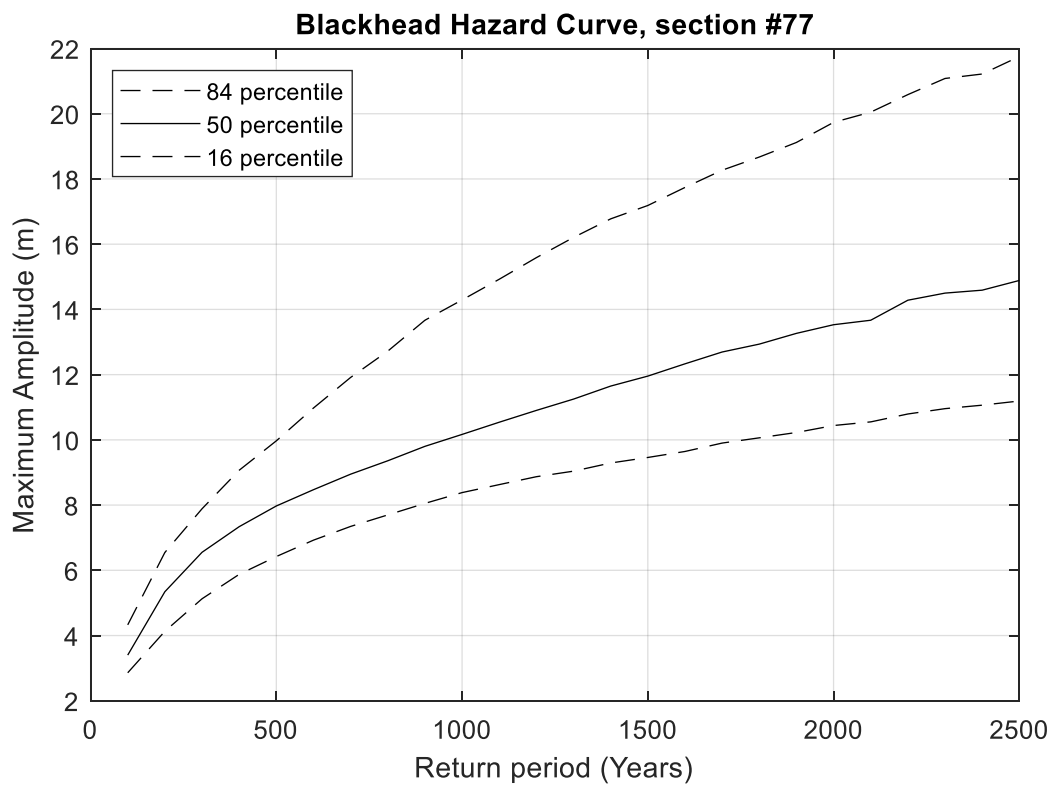
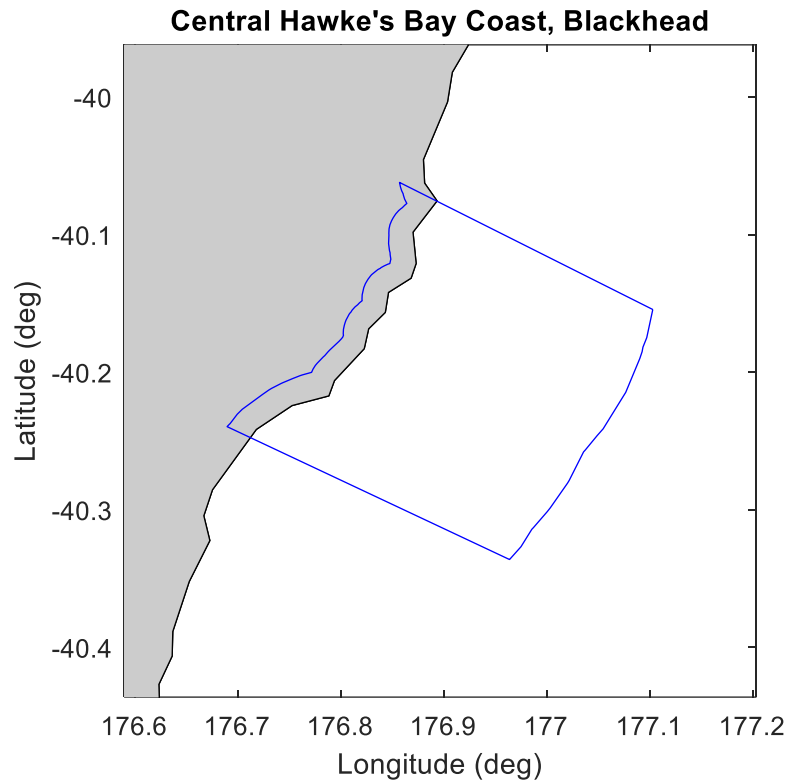
Deaggregation of Section:76, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.78 m



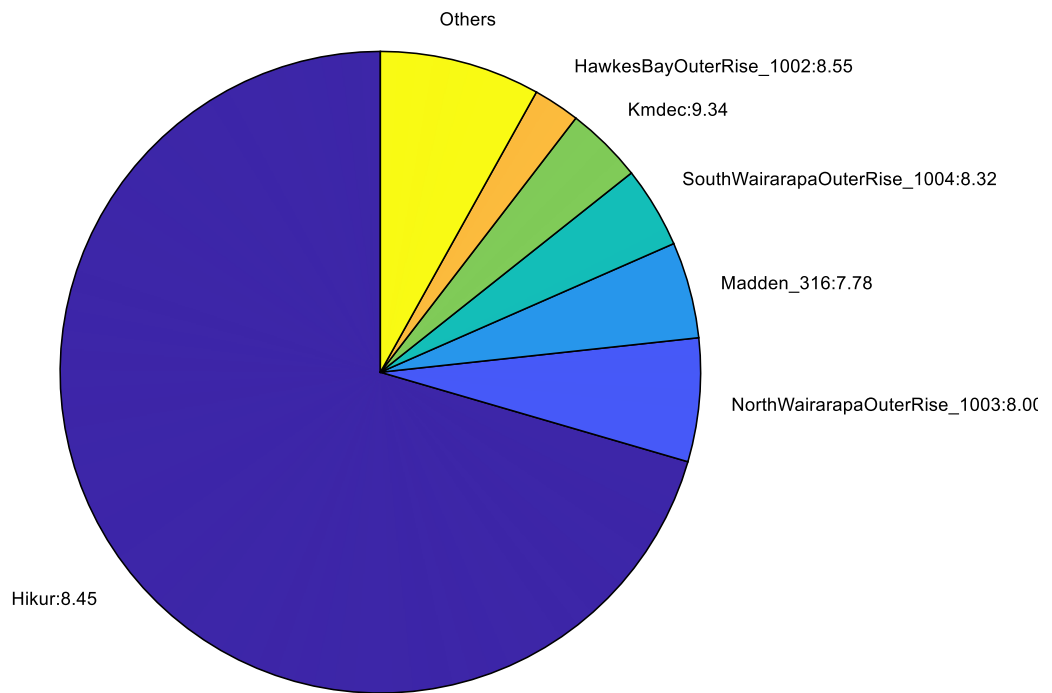
Deaggregation of Section:76, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:10.31 m



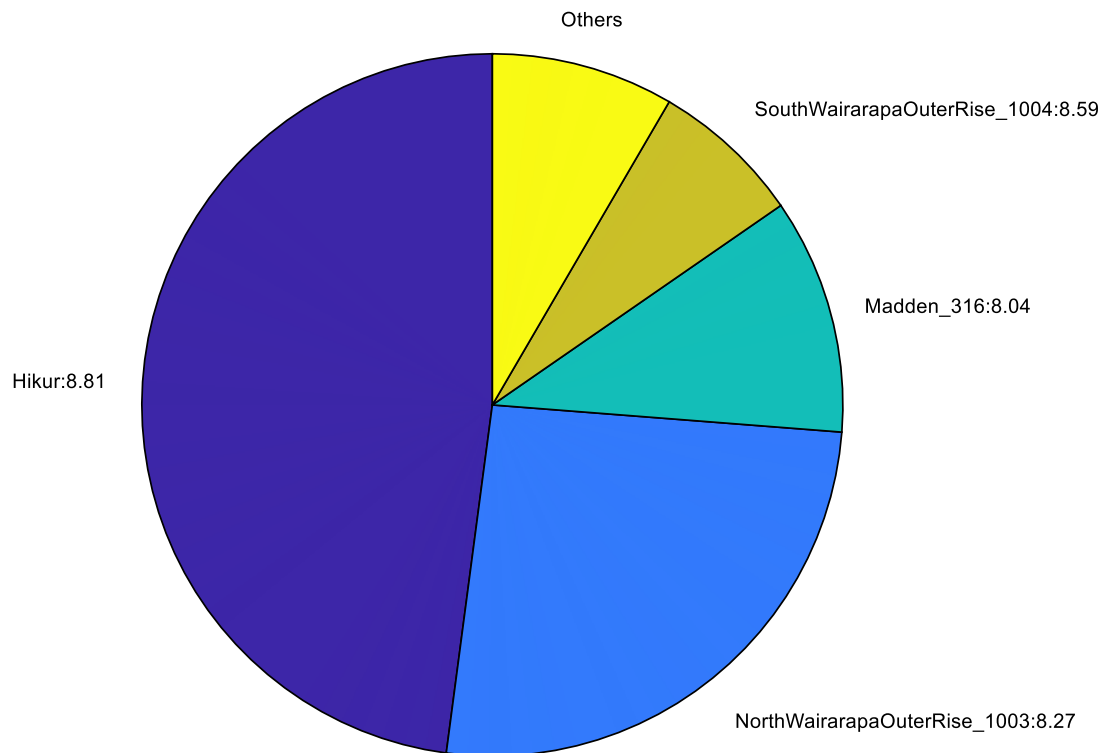
### A1.77 Coastal Section 77: Blackhead



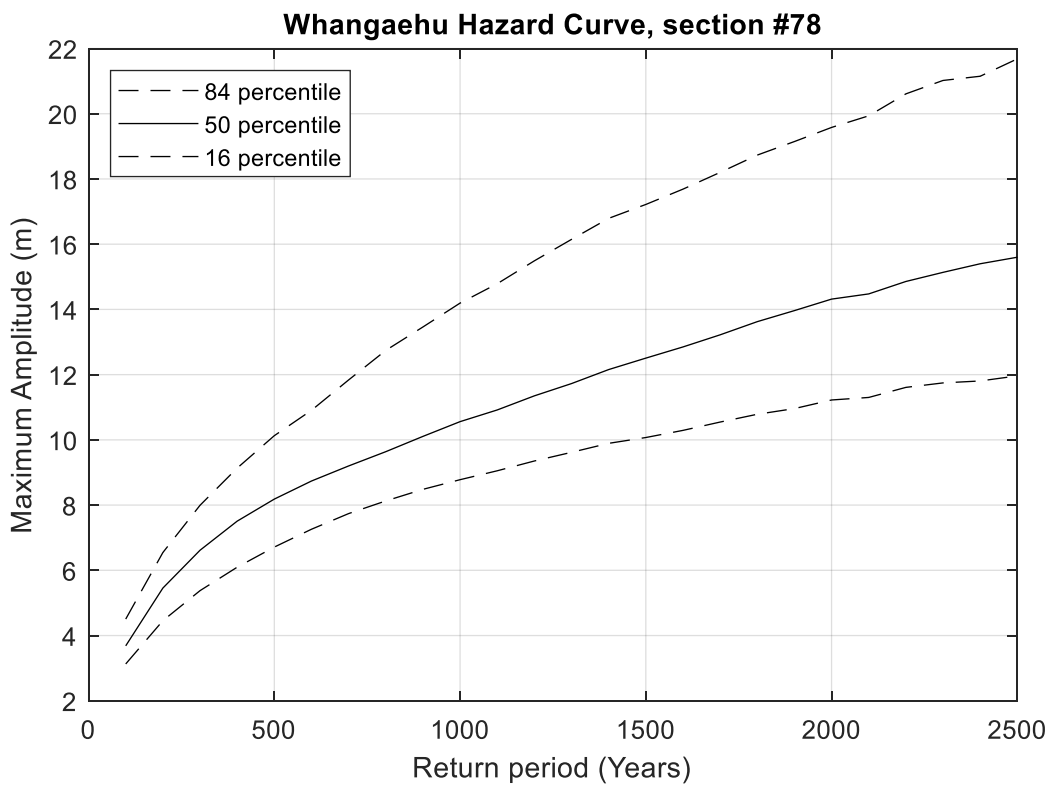
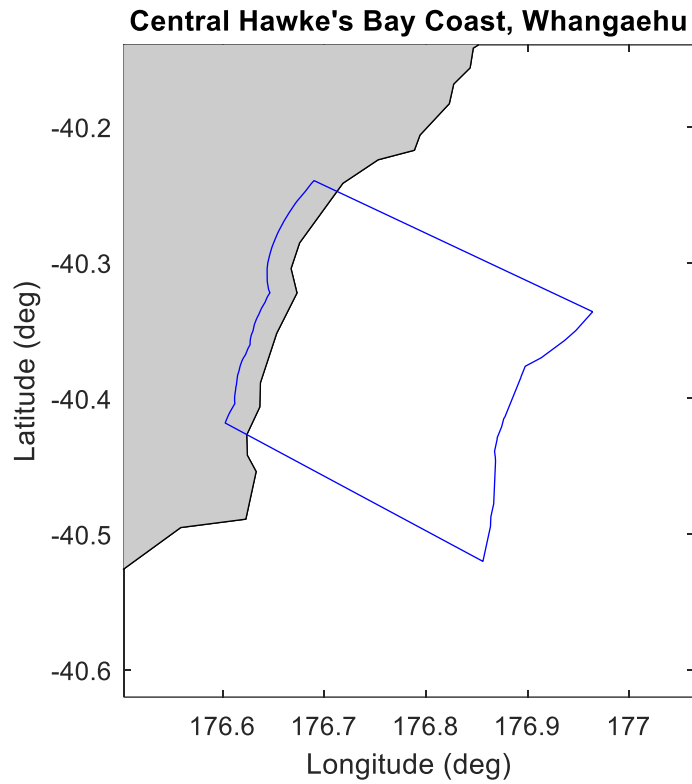
Deaggregation of Section:77, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.97 m



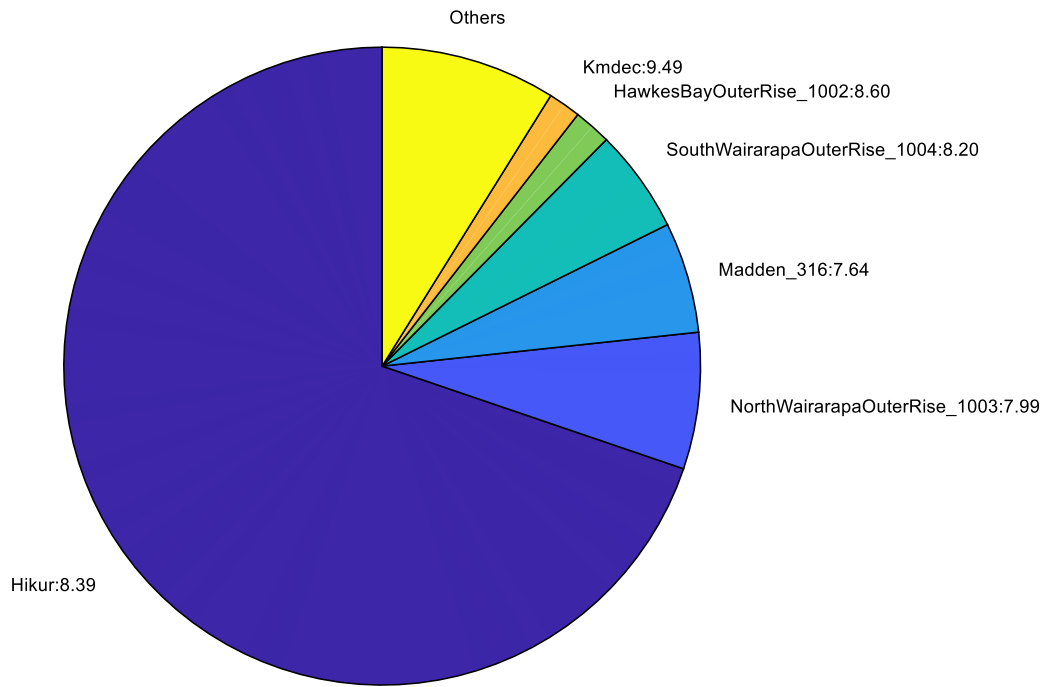
Deaggregation of Section:77, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:14.88 m



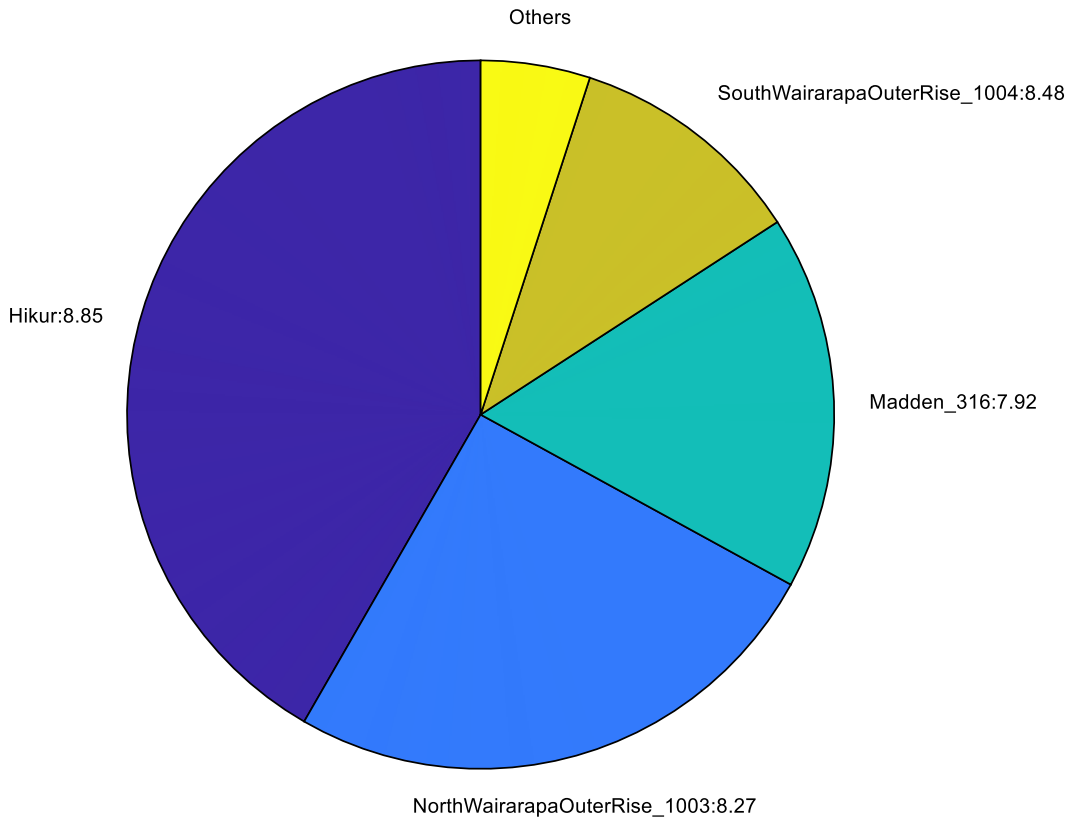
# A1.78 Coastal Section 78: Whangaehu



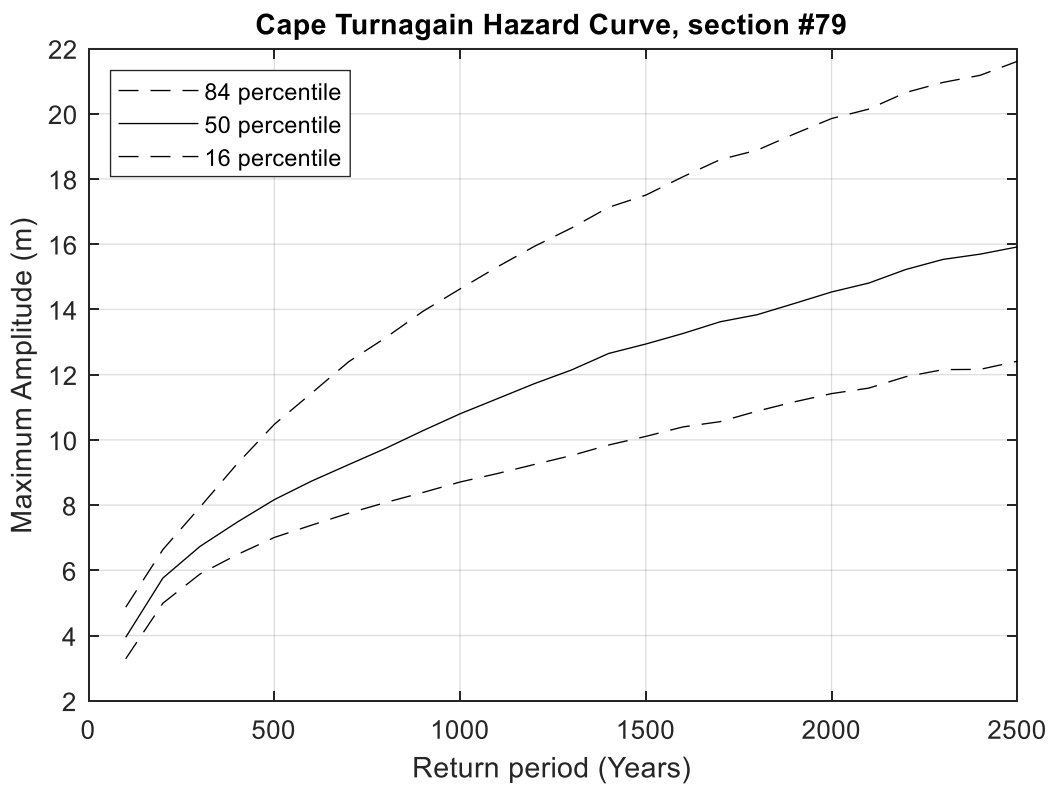
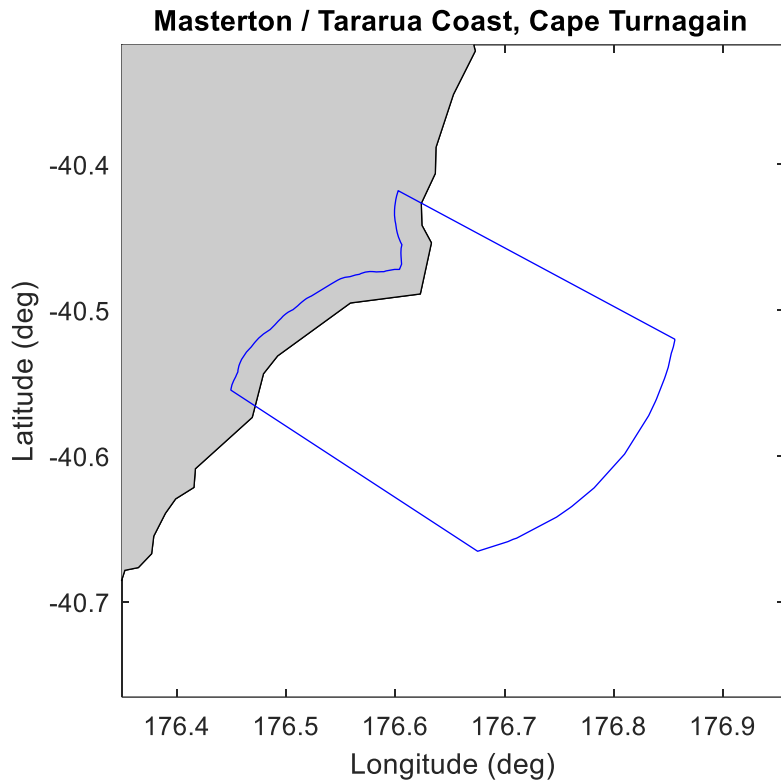
Deaggregation of Section:78, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.18 m



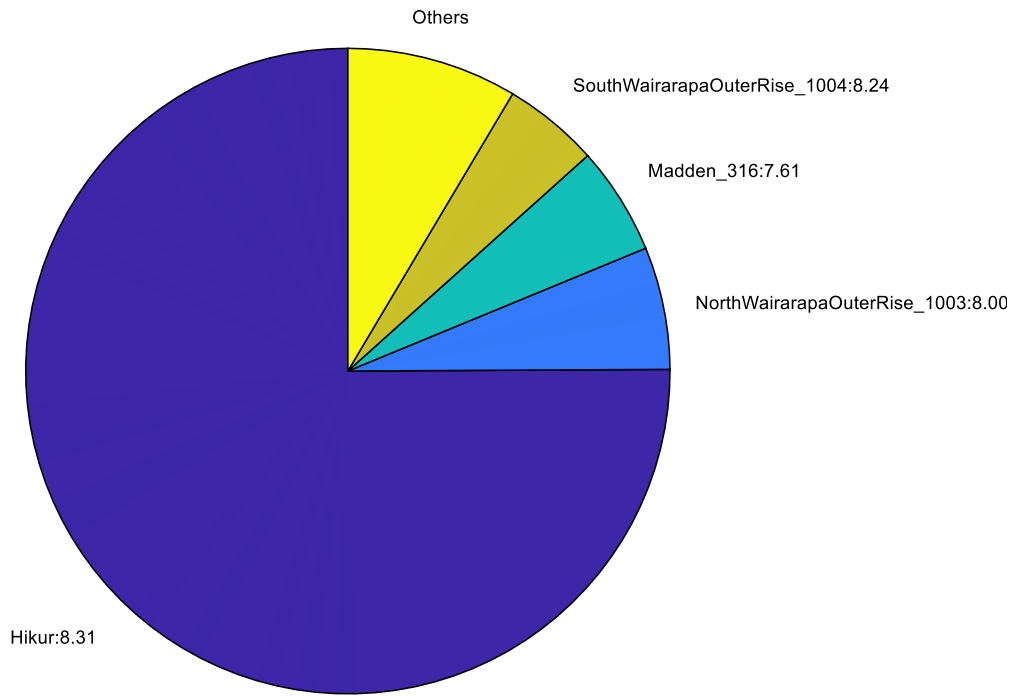
Deaggregation of Section:78, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:15.60 m



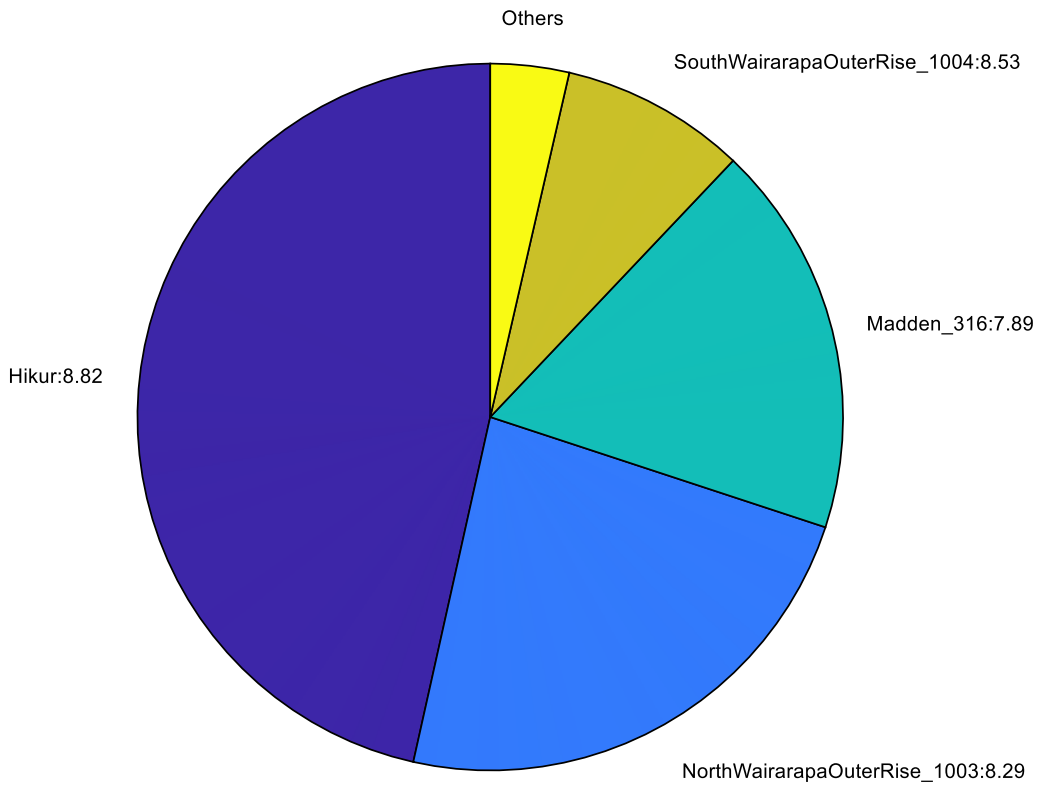
## A1.79 Coastal Section 79: Cape Turnagain



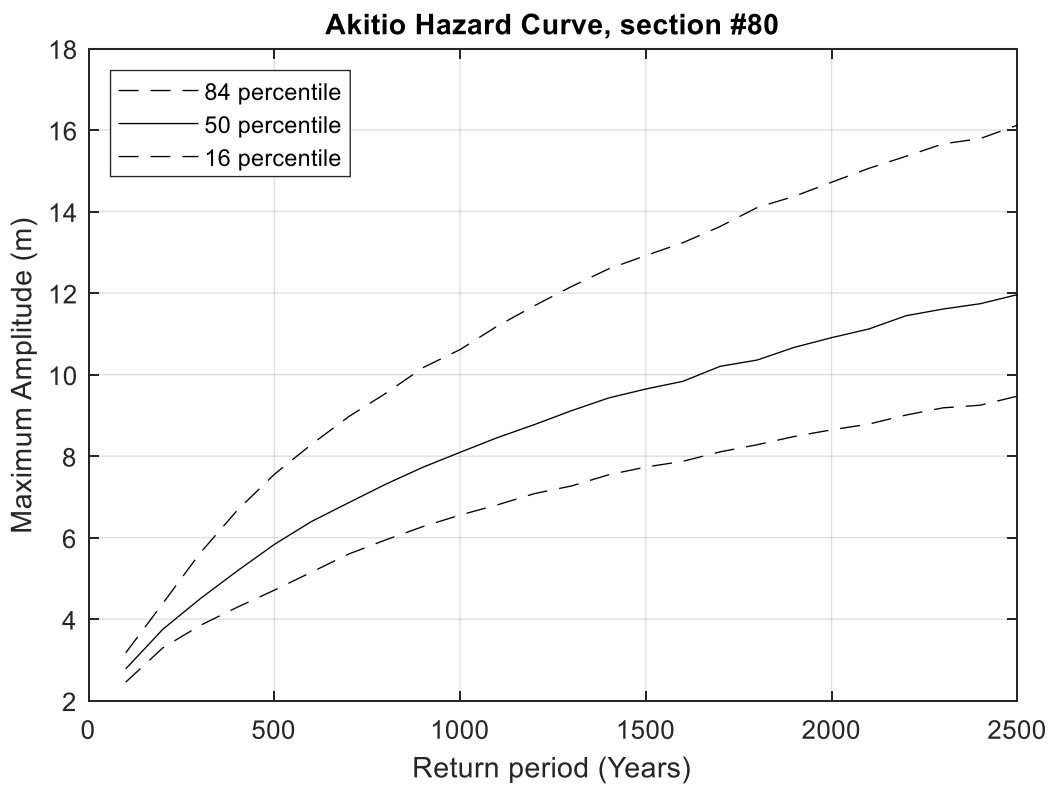
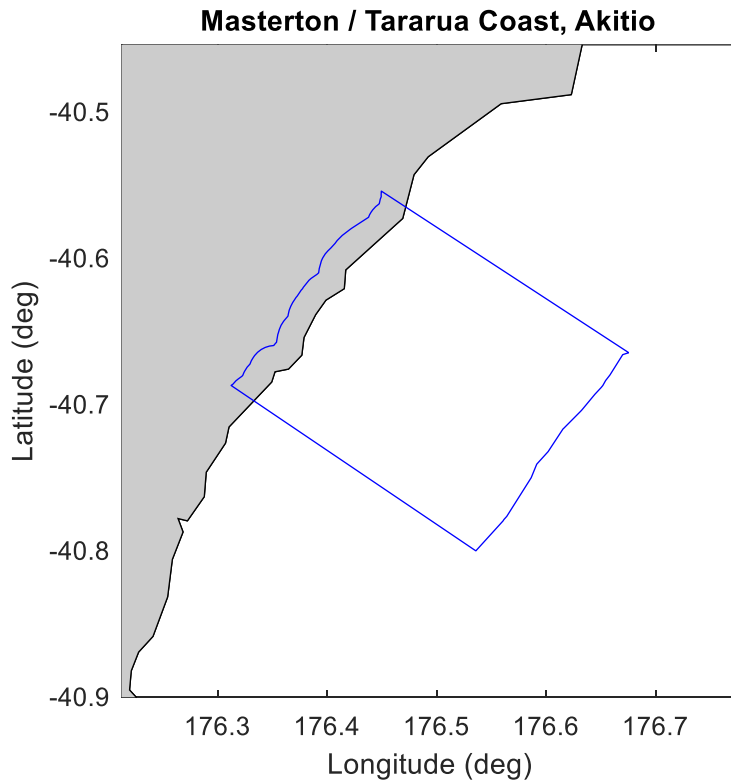
Deaggregation of Section:79, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.16 m



Deaggregation of Section:79, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:15.91 m

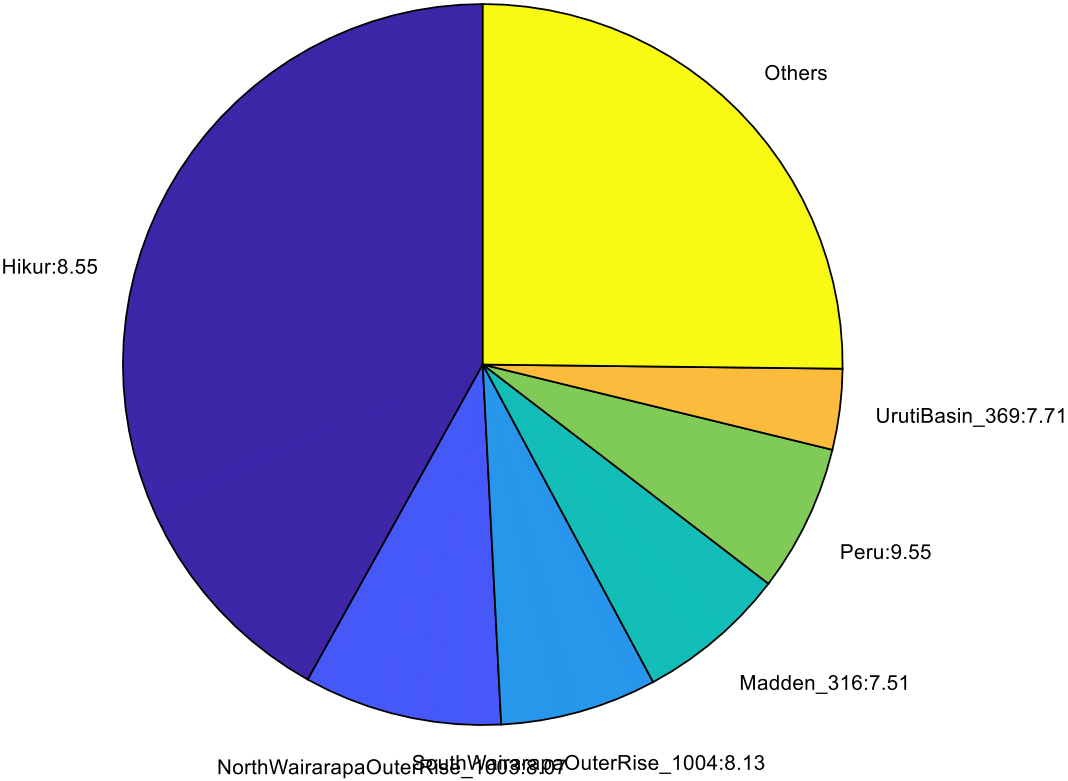


**A1.80 Coastal Section 80: Akitio**

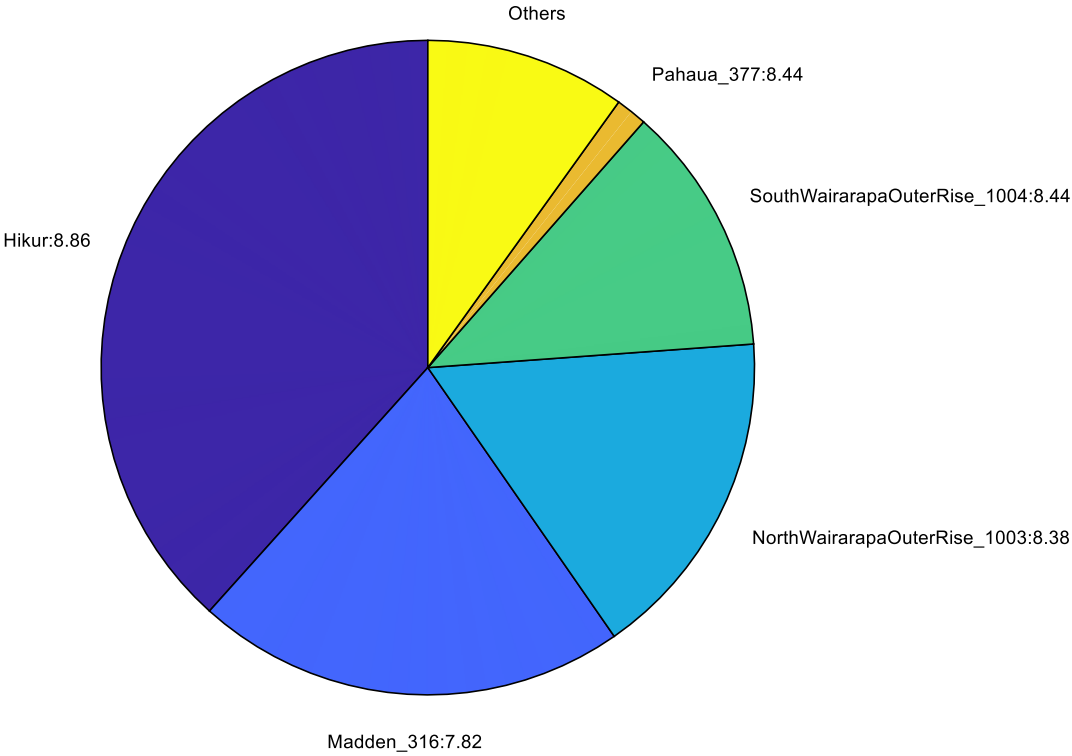




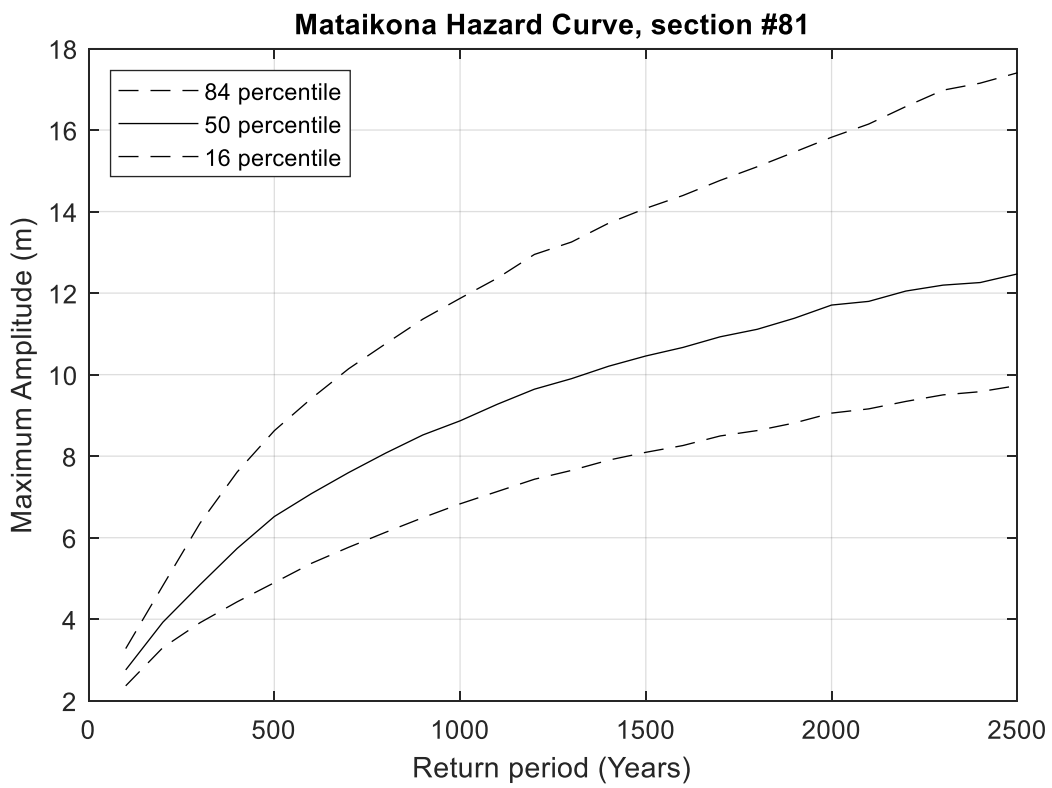
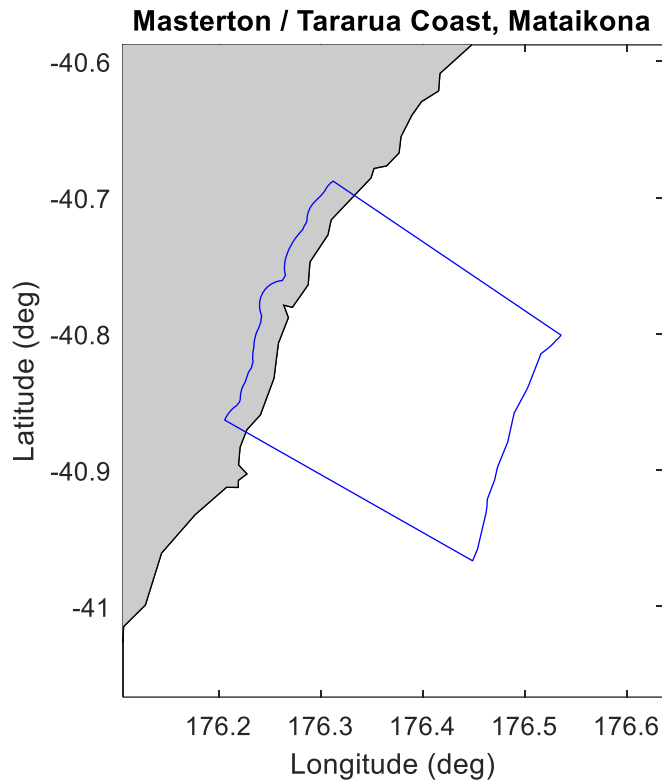
Deaggregation of Section:80, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.83 m



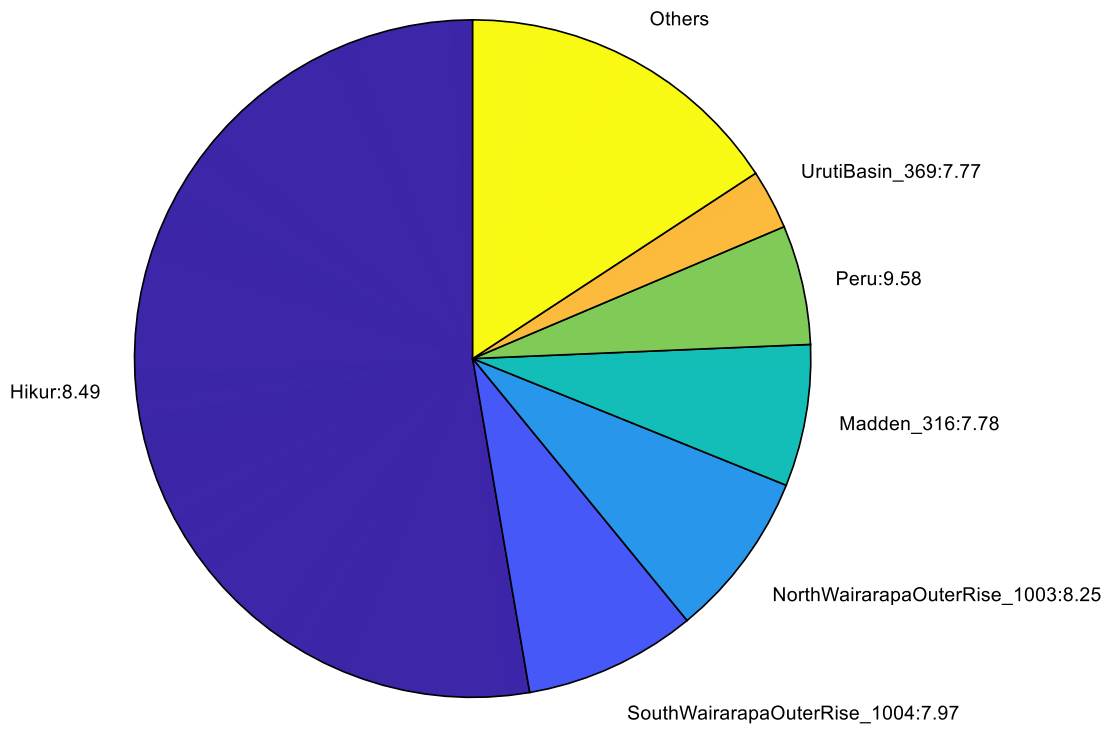
Deaggregation of Section:80, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:11.96 m



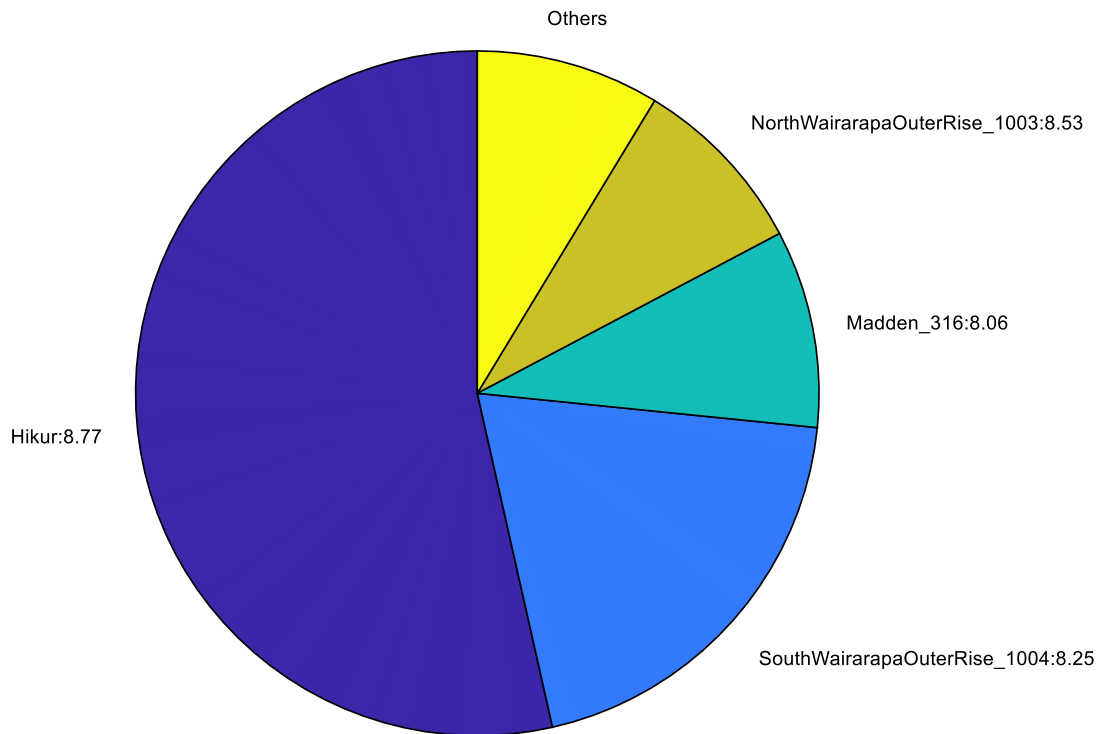
### A1.81 Coastal Section 81: Mataikona



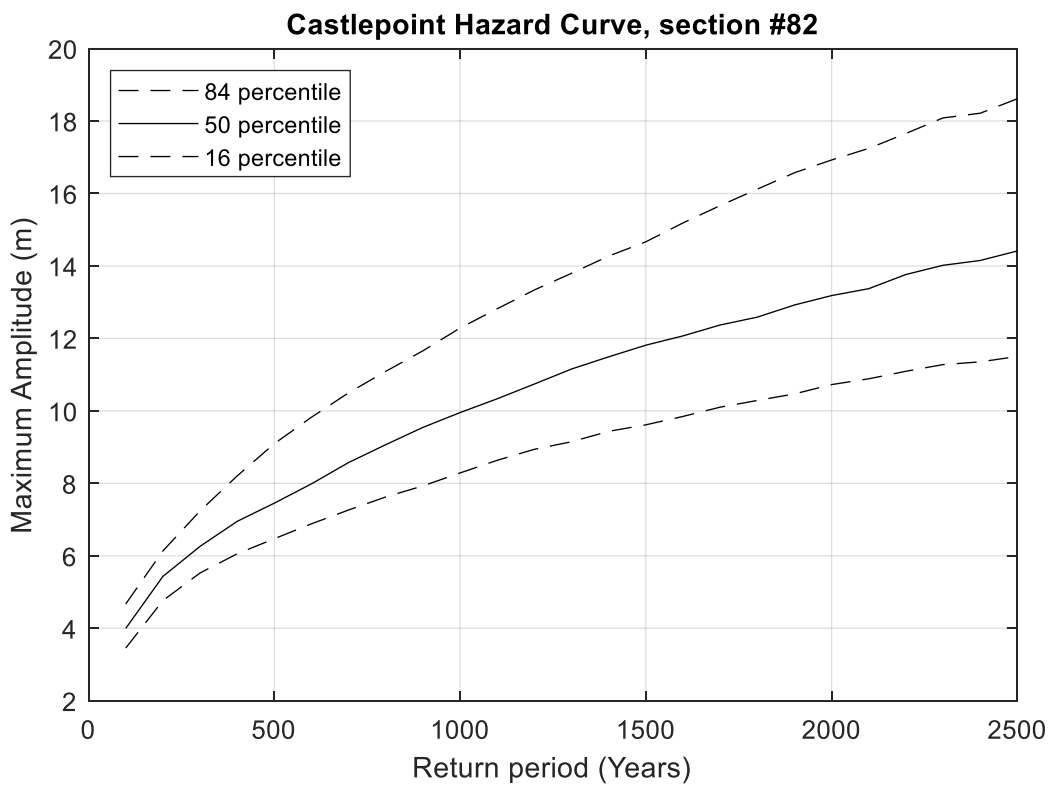
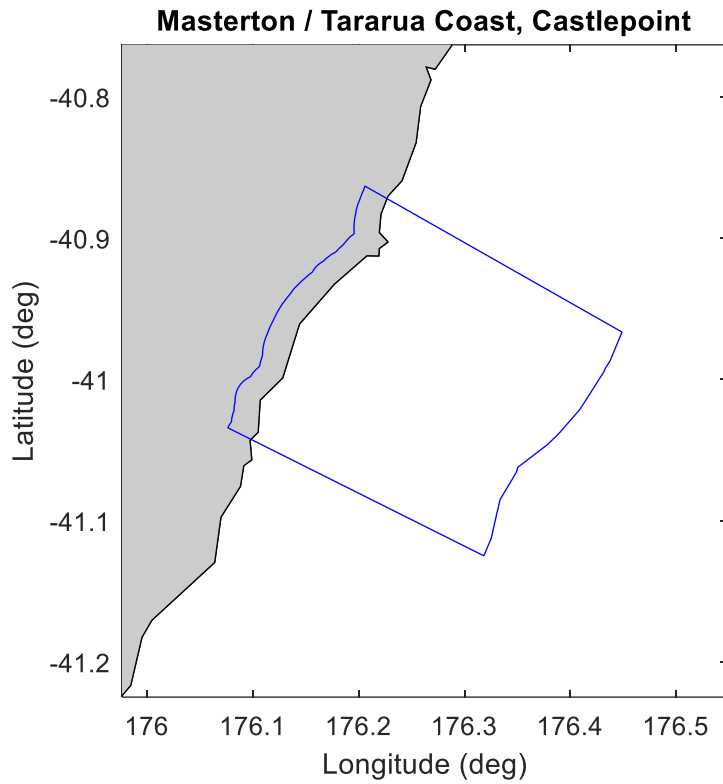
Deaggregation of Section:81, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.52 m



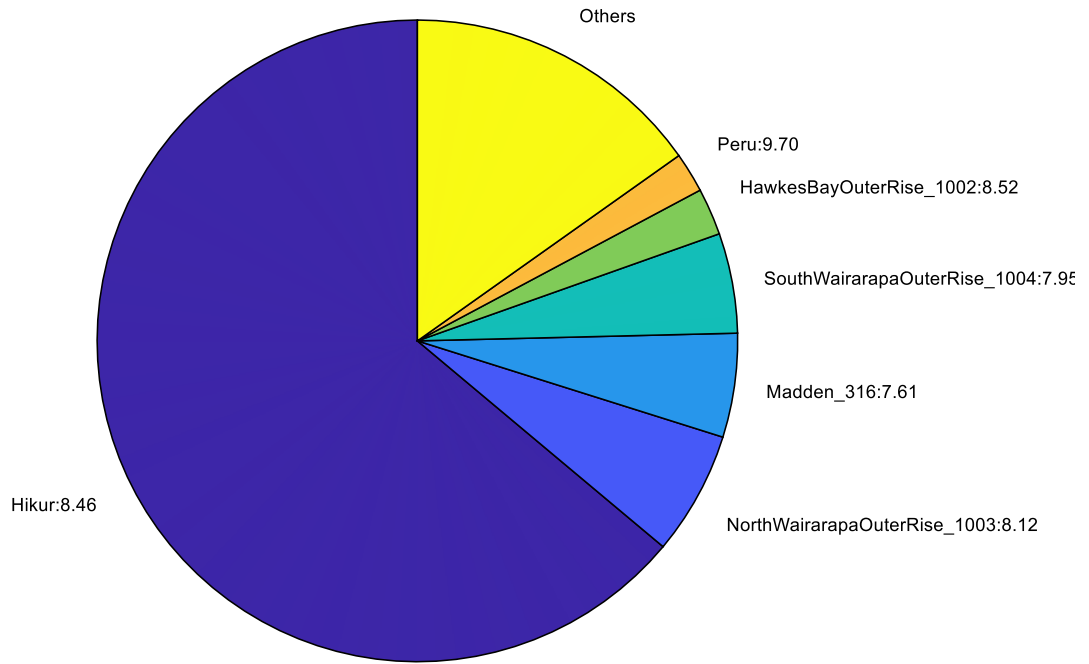
Deaggregation of Section:81, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:12.46 m



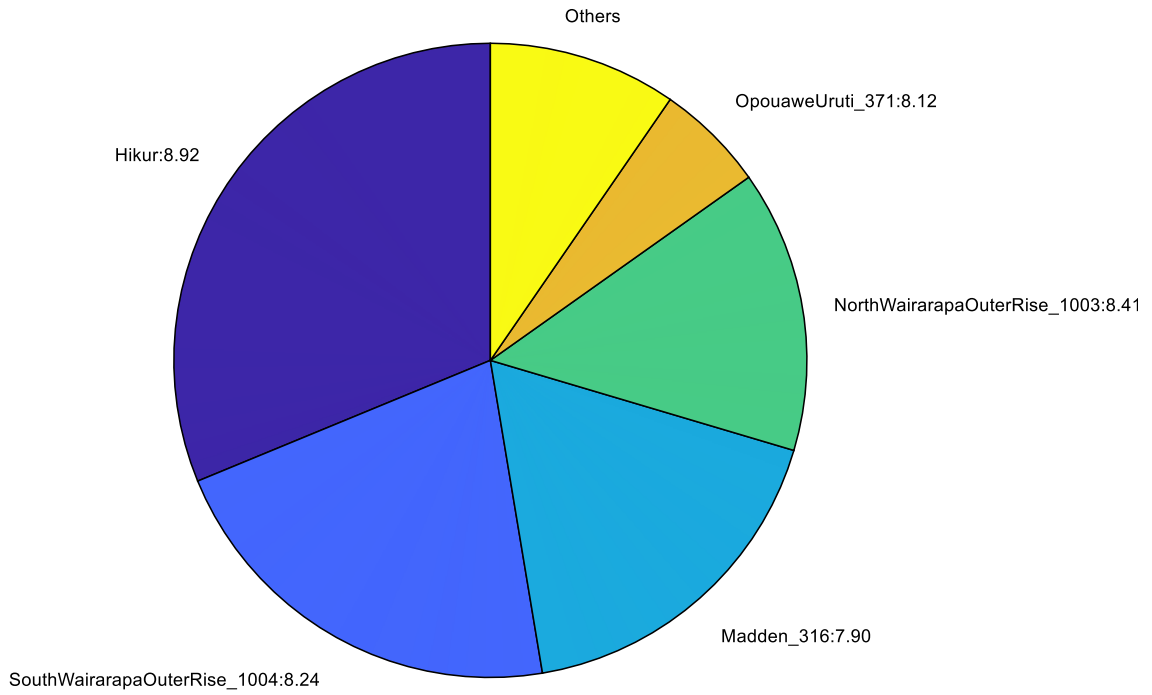
## A1.82 Coastal Section 82: Castlepoint



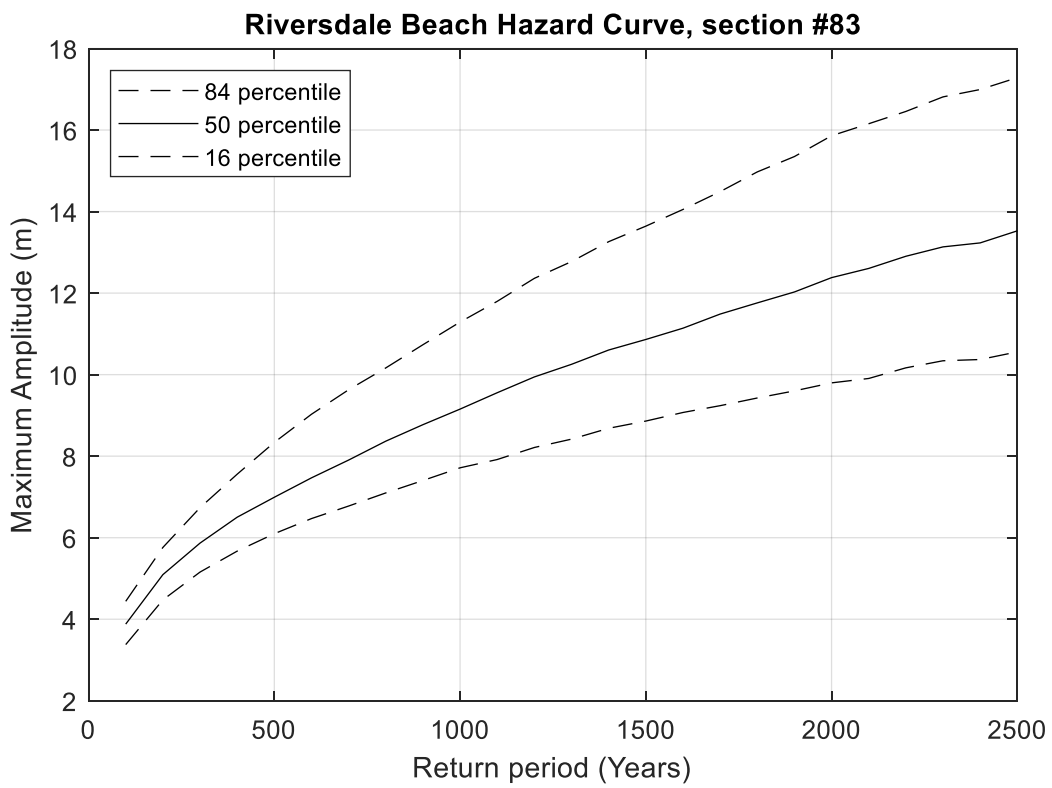
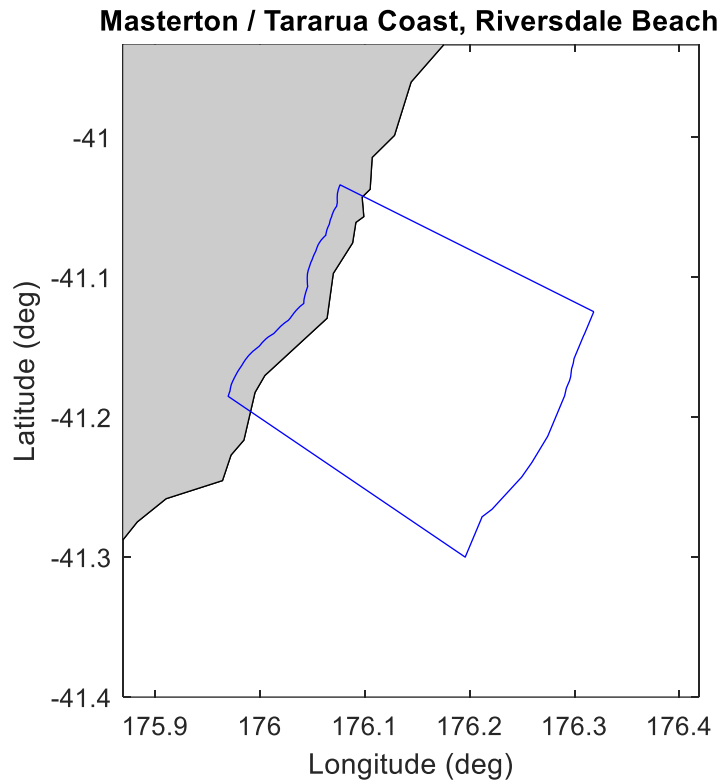
Deaggregation of Section:82, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.45 m



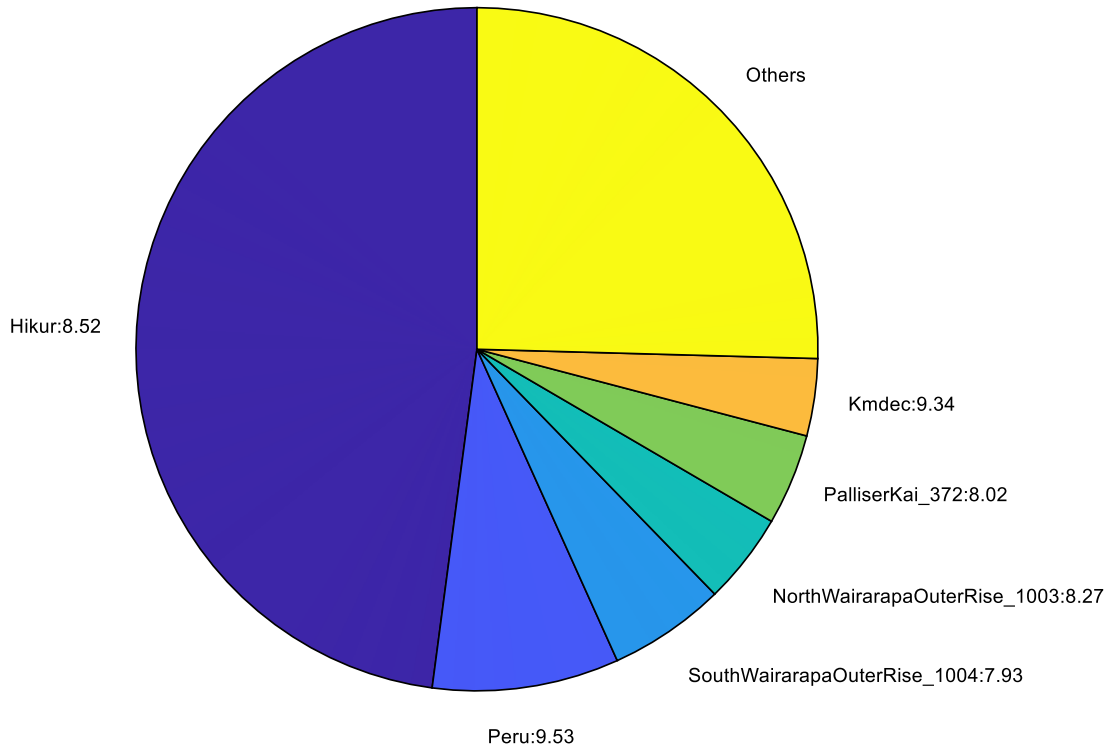
Deaggregation of Section:82, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:14.40 m



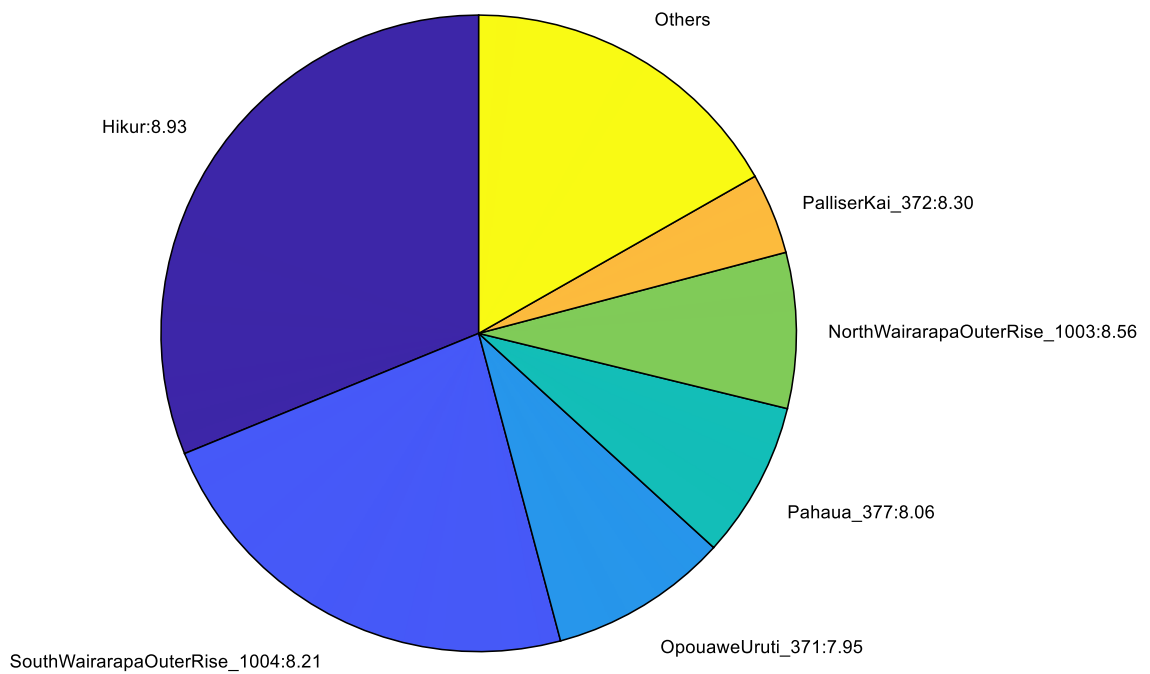
### A1.83 Coastal Section 83: Riversdale Beach



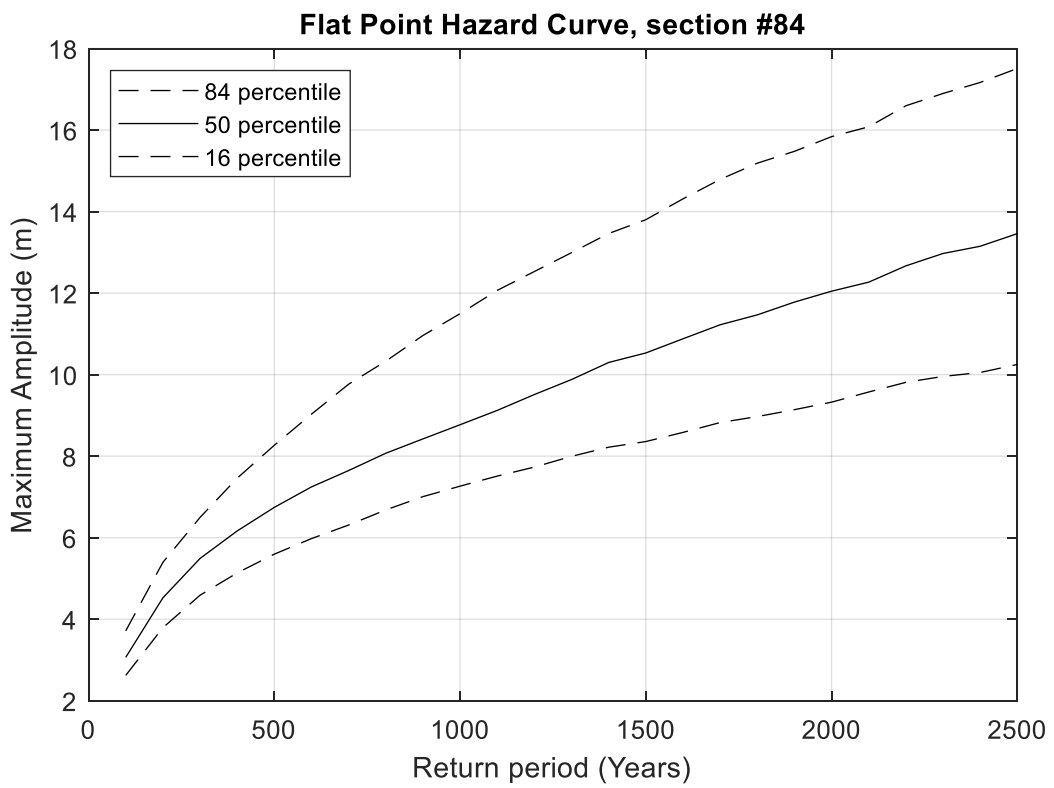
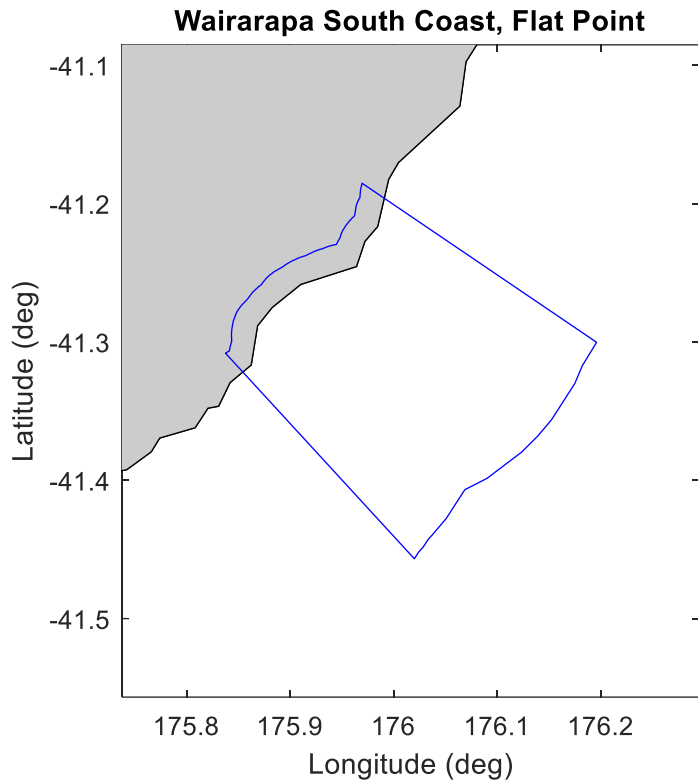
Deaggregation of Section:83, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.99 m



Deaggregation of Section:83, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:13.52 m

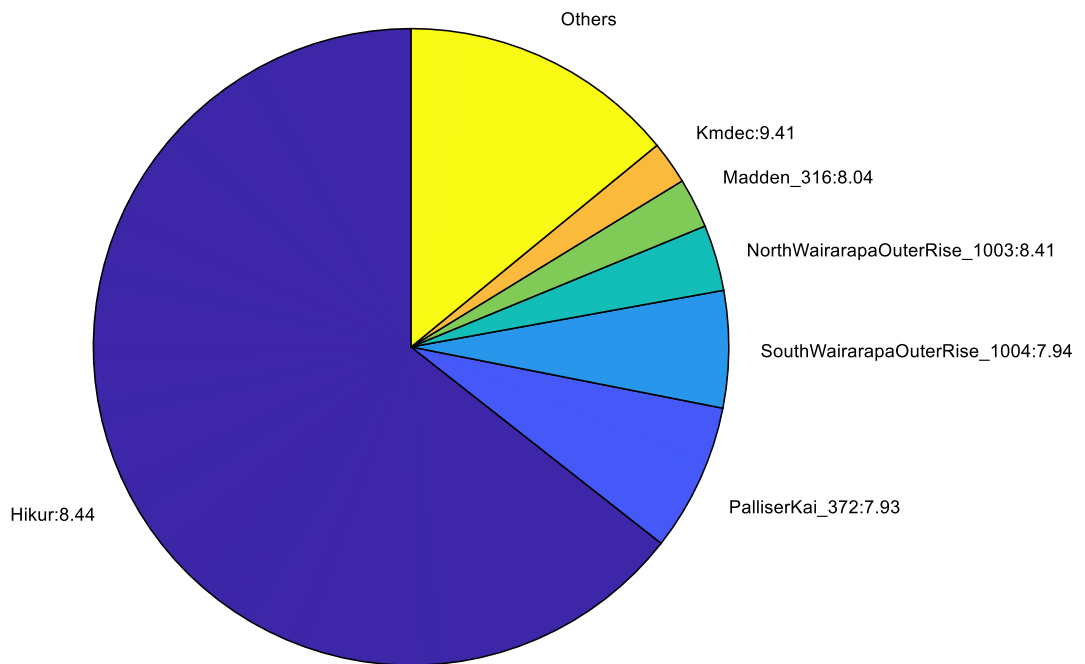


### A1.84 Coastal Section 84: Flat Point

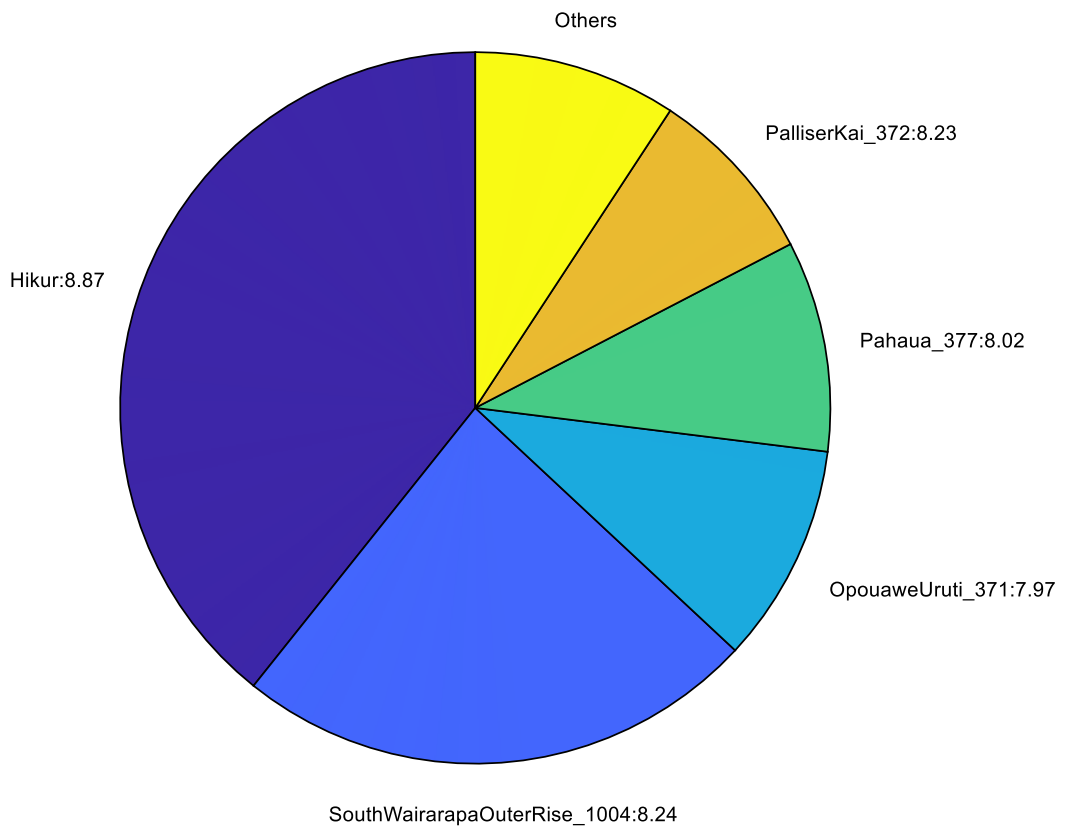




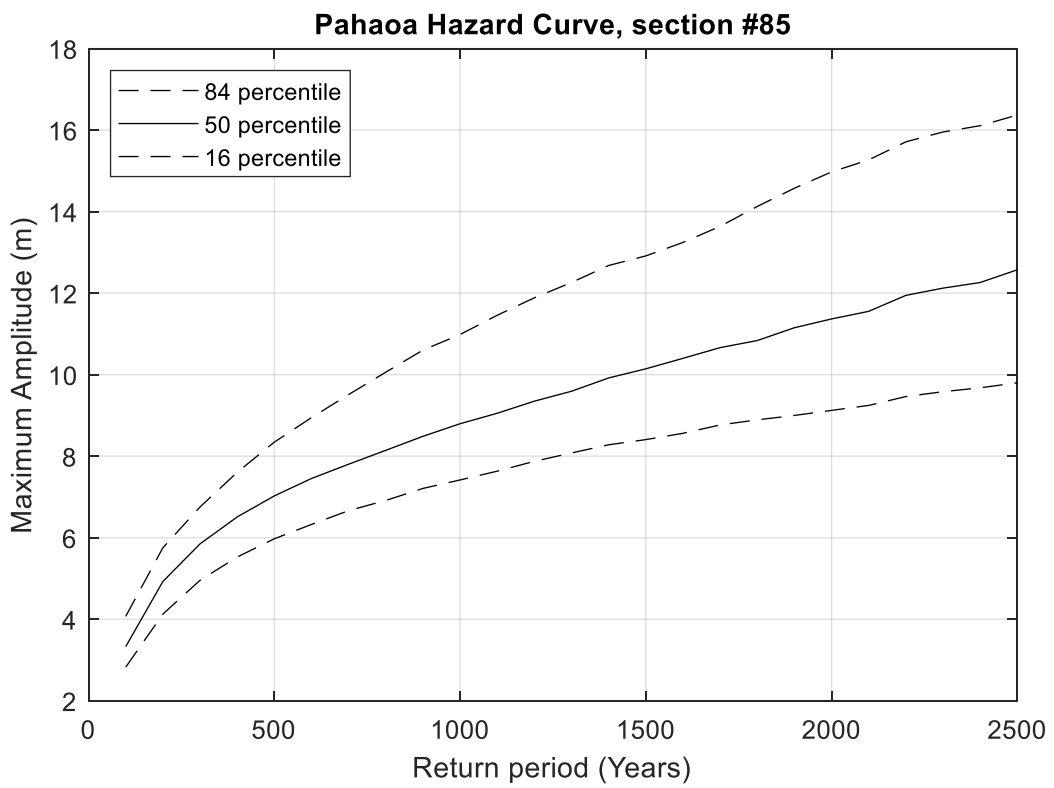
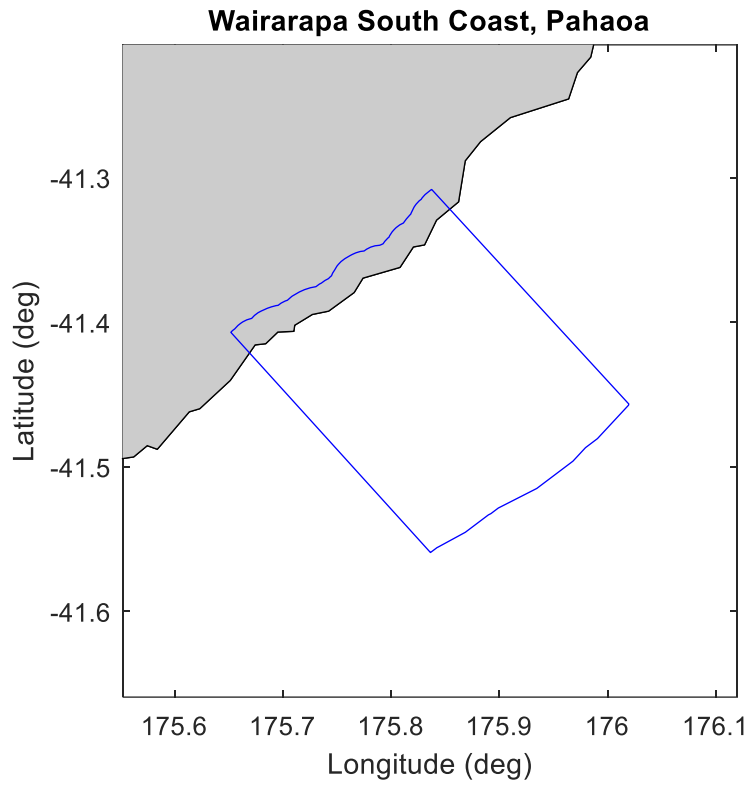
Deaggregation of Section:84, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.74 m



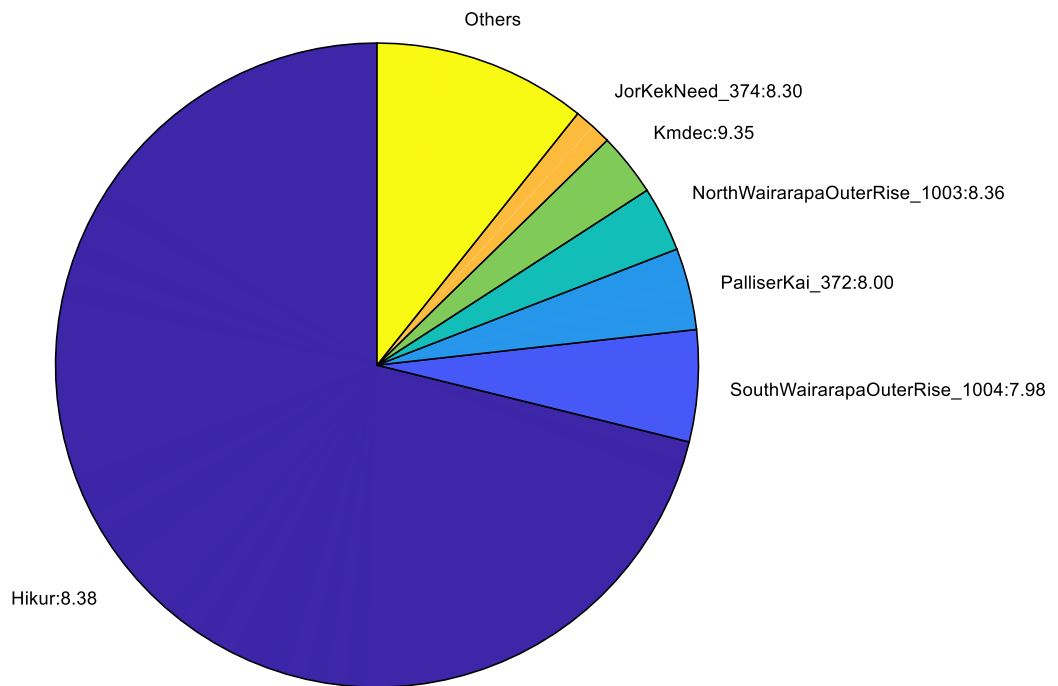
Deaggregation of Section:84, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:13.45 m



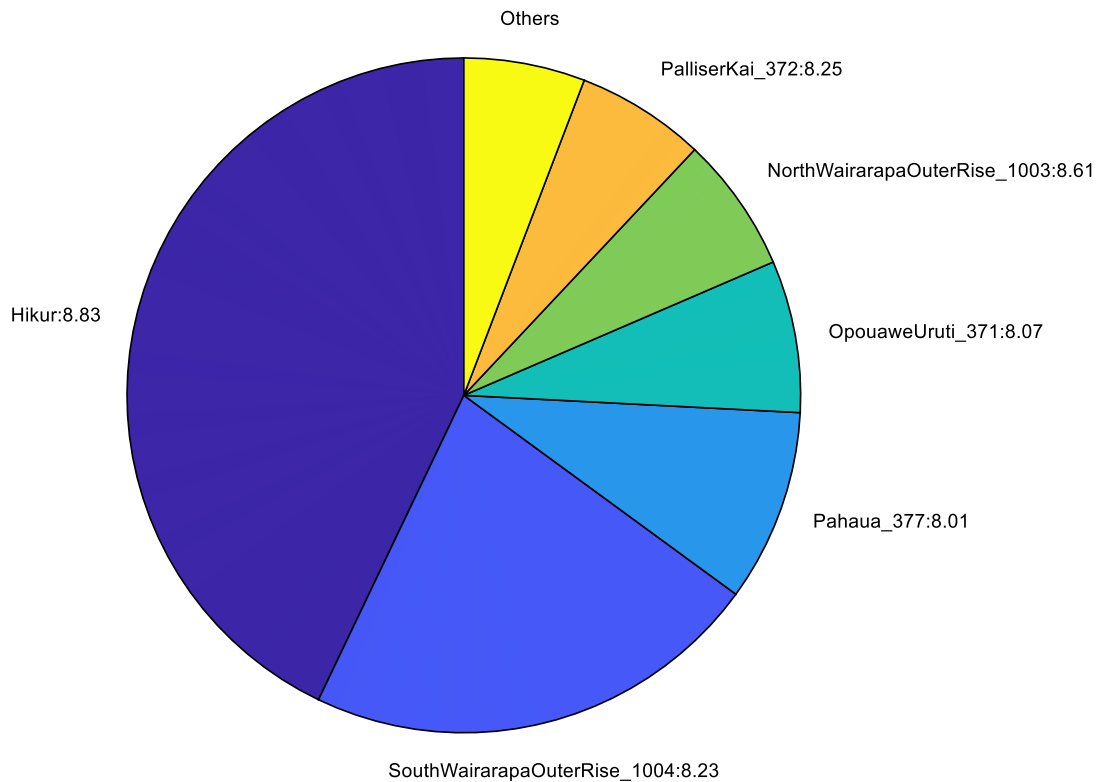
**A1.85 Coastal Section 85: Pahaoa**



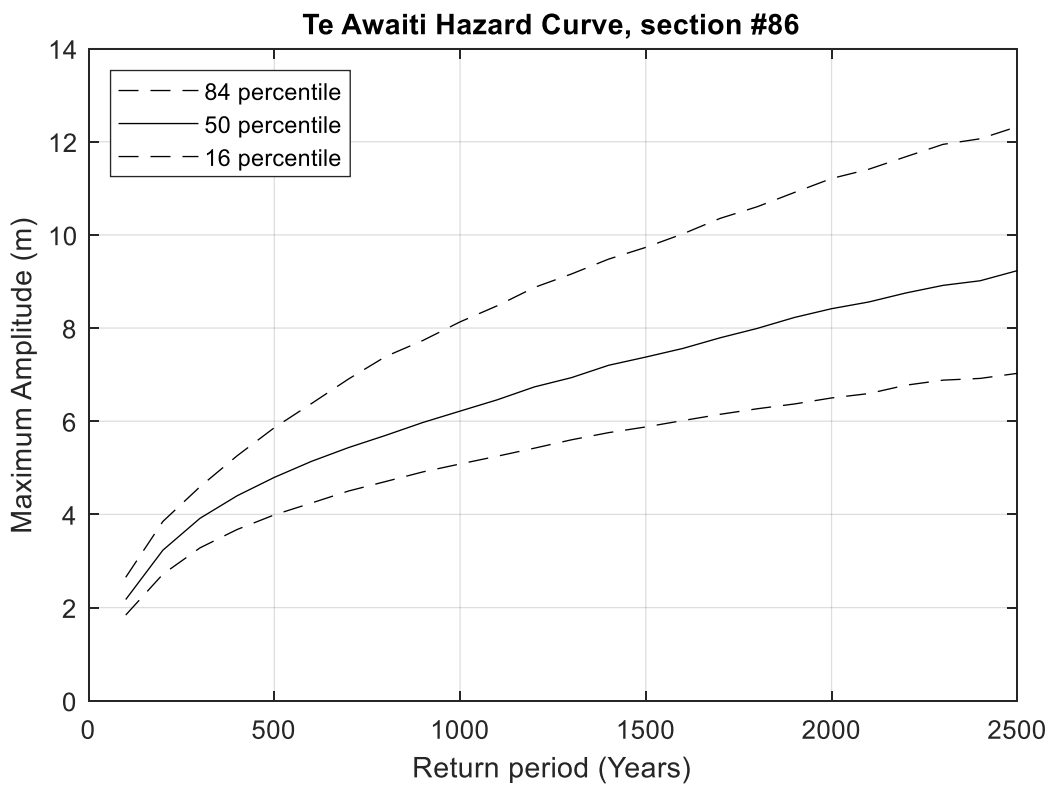
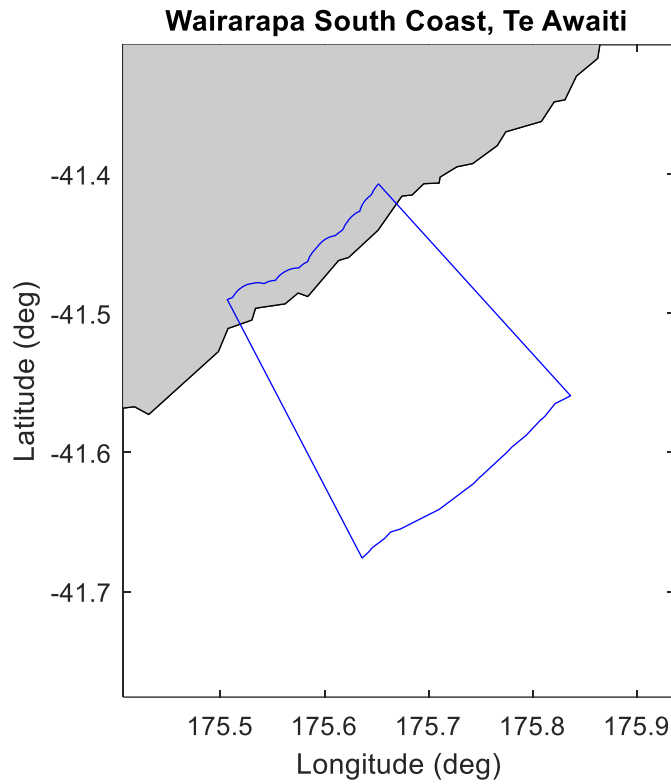
Deaggregation of Section:85, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.02 m



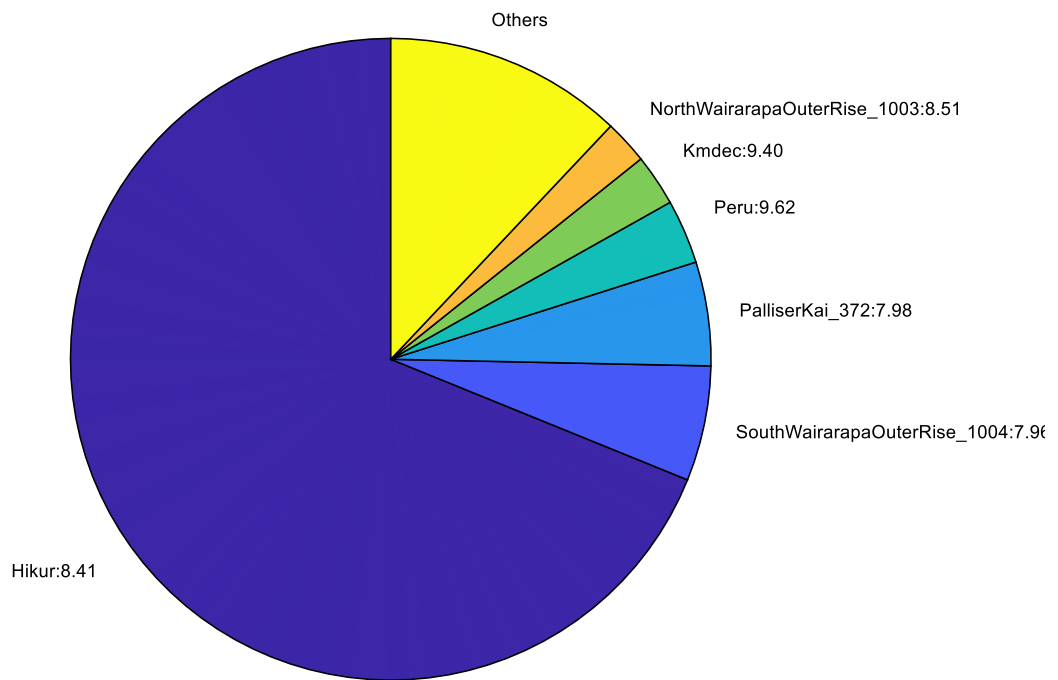
Deaggregation of Section:85, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:12.56 m



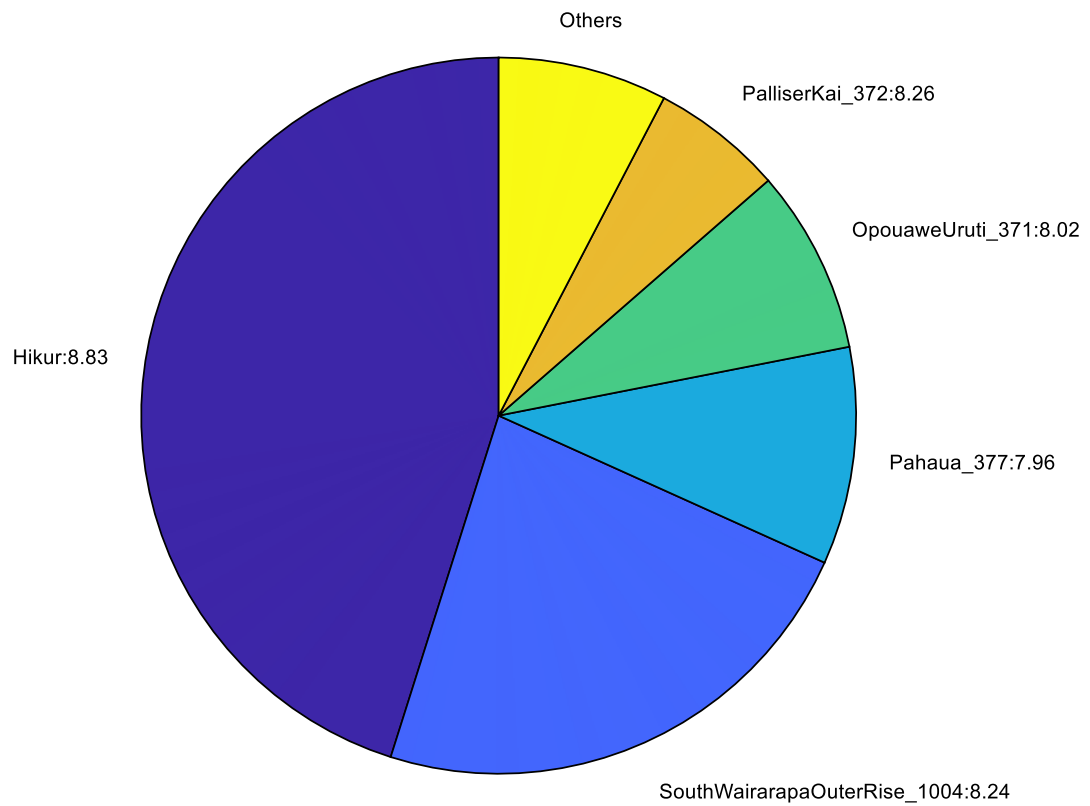
**A1.86 Coastal Section 86: Te Awaiti**



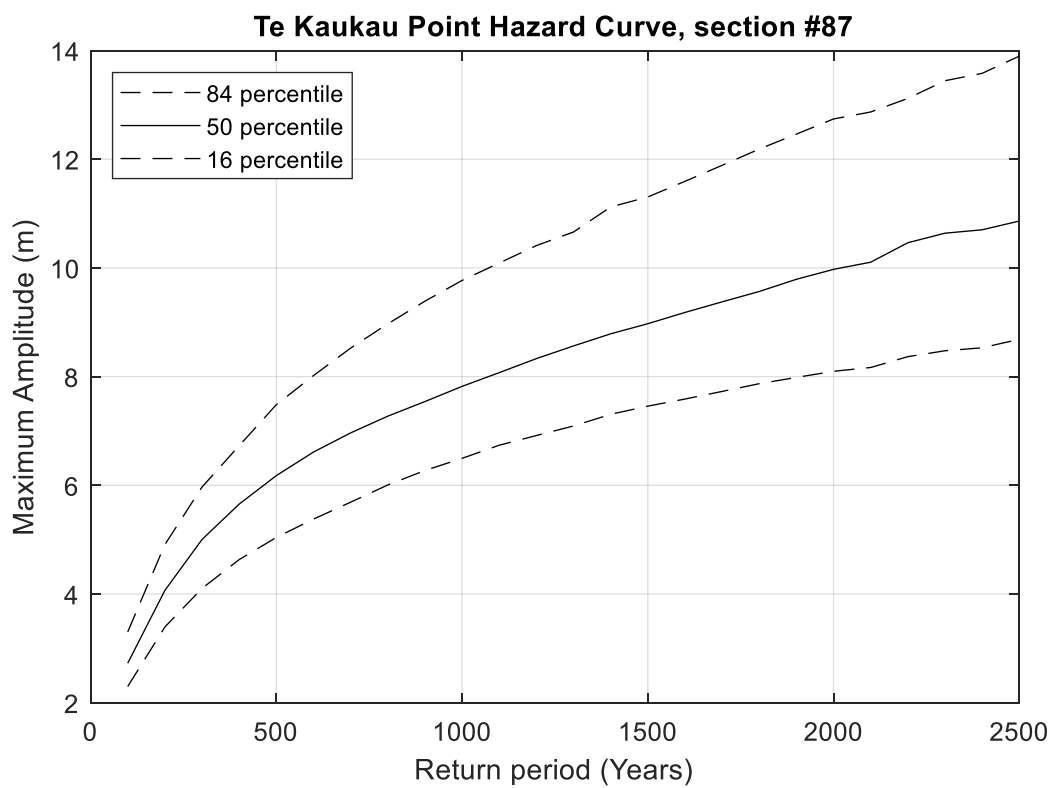
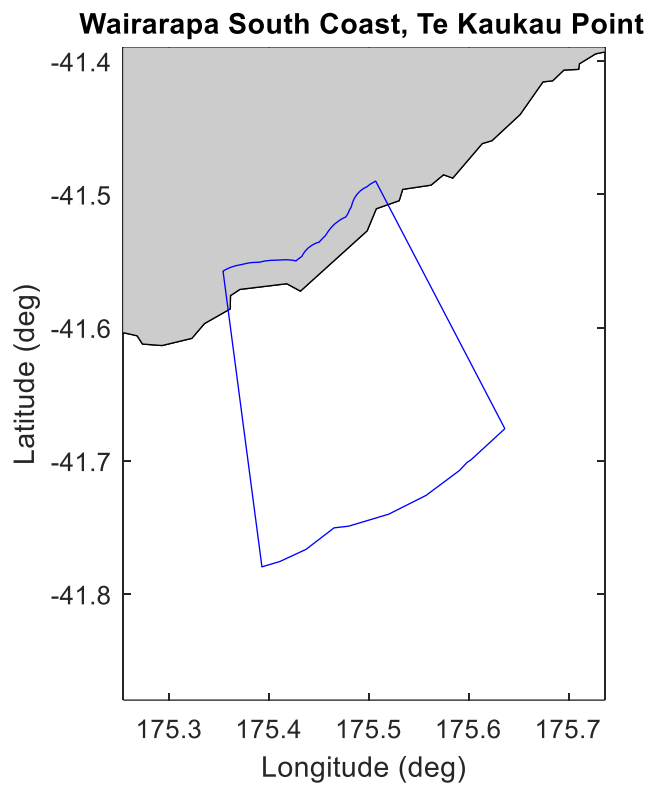
Deaggregation of Section:86, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.79 m



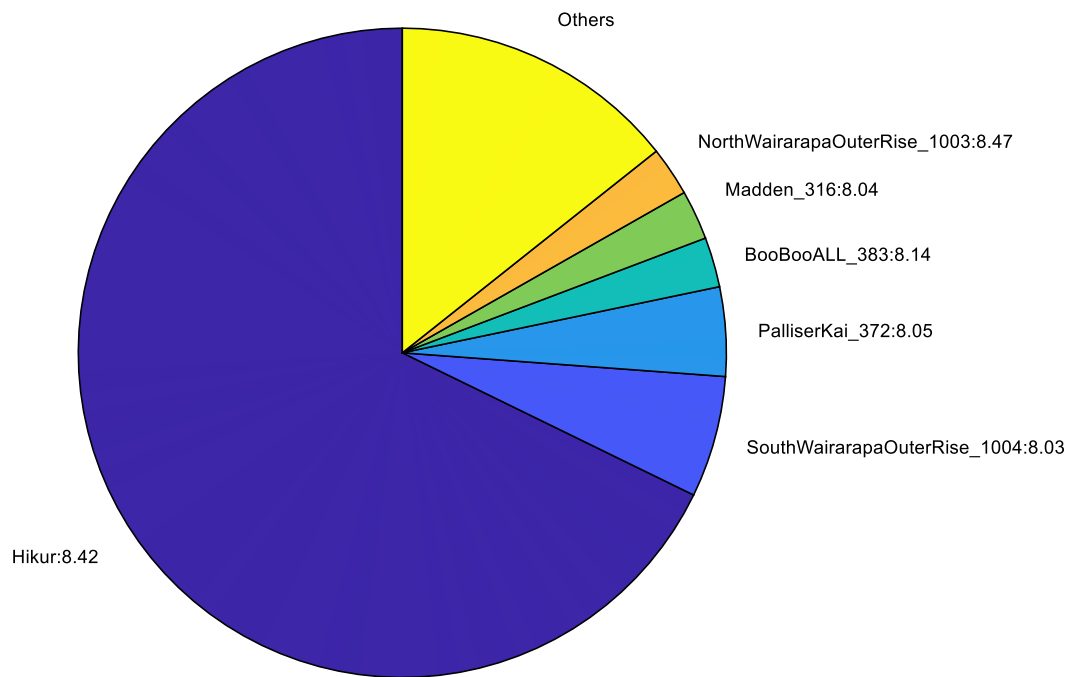
Deaggregation of Section:86, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:9.23 m



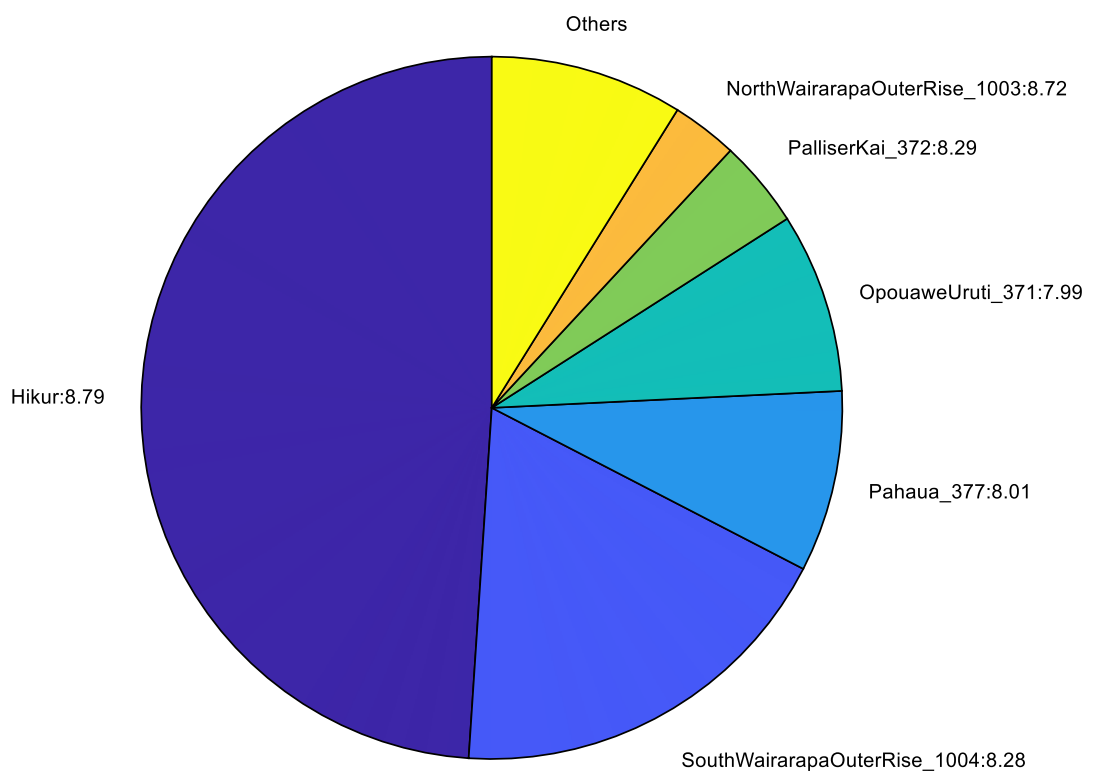
## A1.87 Coastal Section 87: Te Kaukau Point



Deaggregation of Section:87, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.18 m

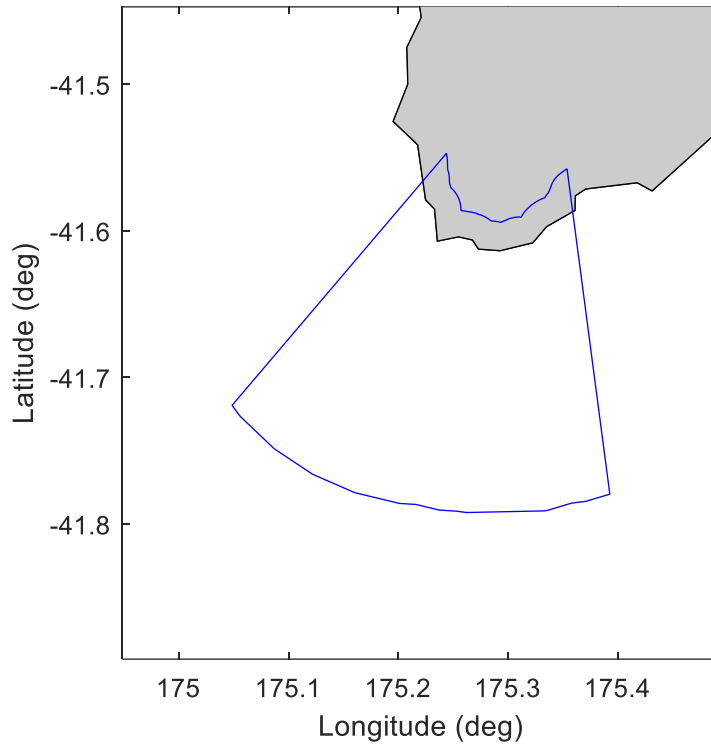


Deaggregation of Section:87, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:10.86 m

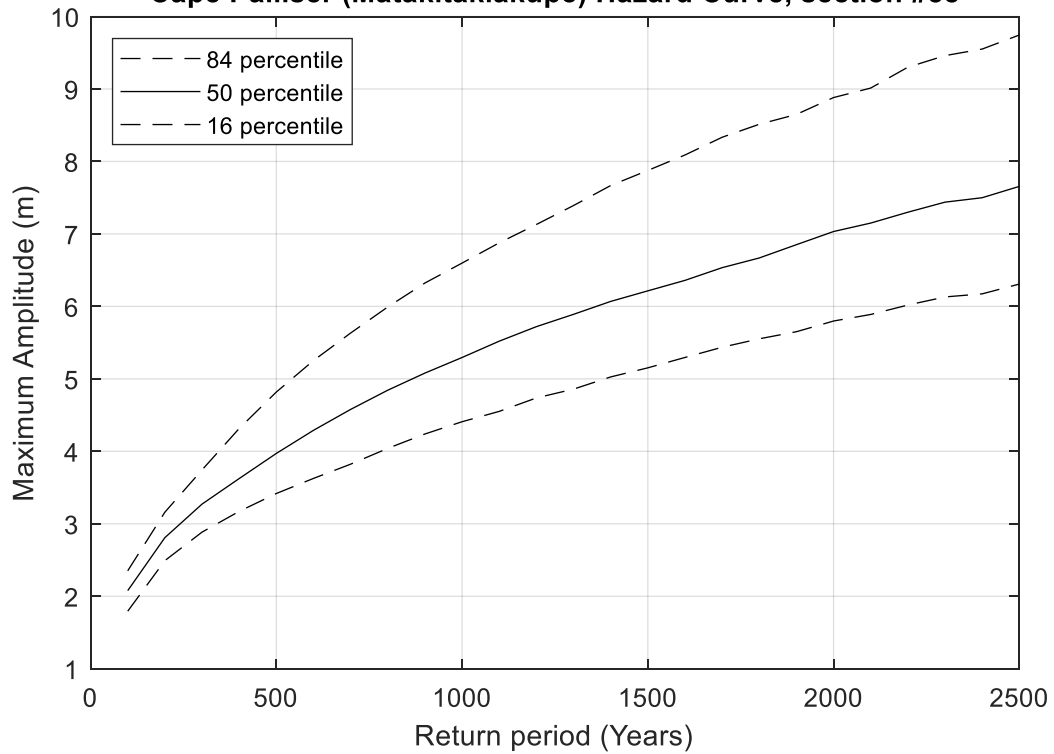


## A1.88 Coastal Section 88: Cape Palliser (Matakitakiakupe)

### Wairarapa South Coast, Cape Palliser (Matakitakiakupe)

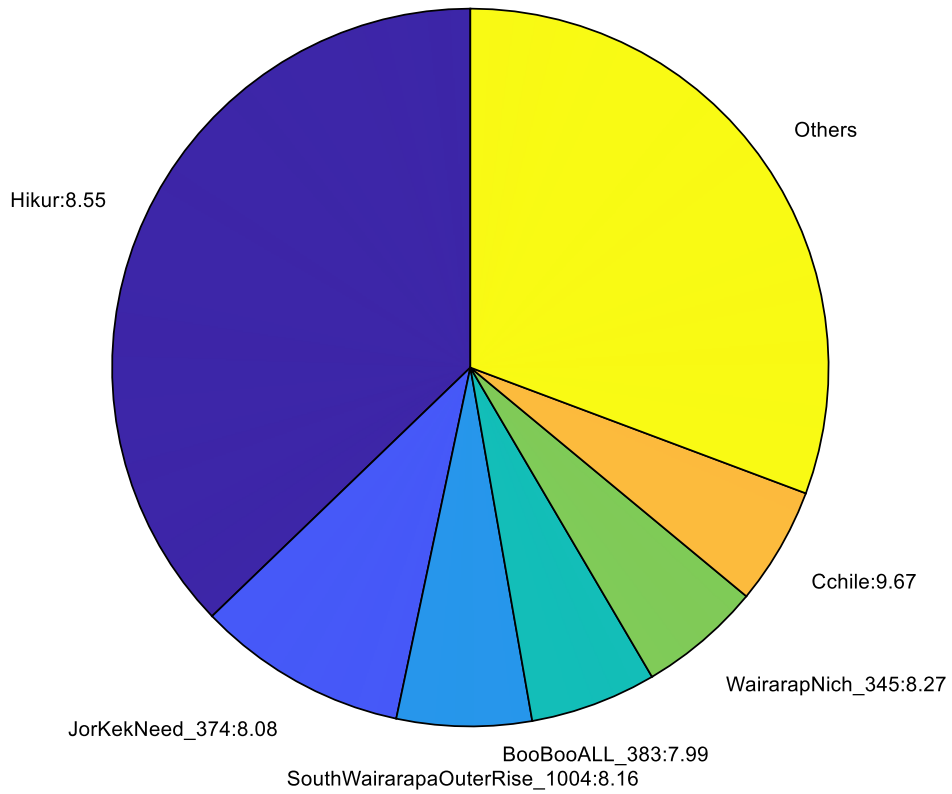


### Cape Palliser (Matakitakiakupe) Hazard Curve, section #88

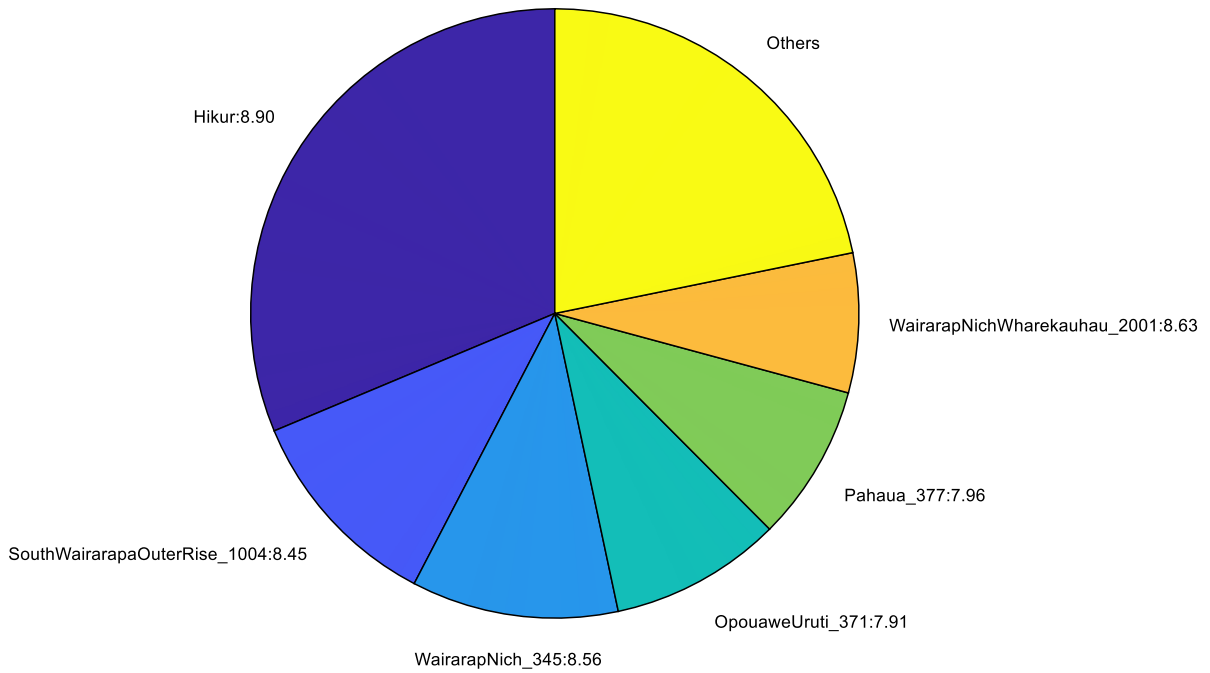




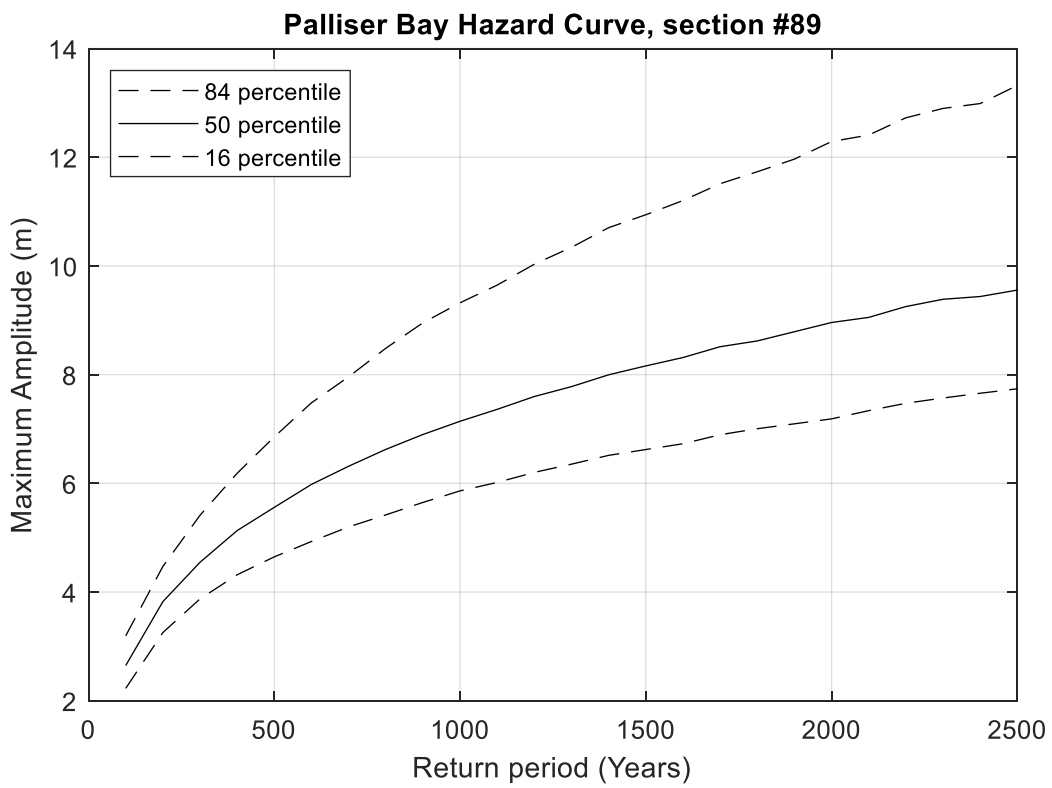
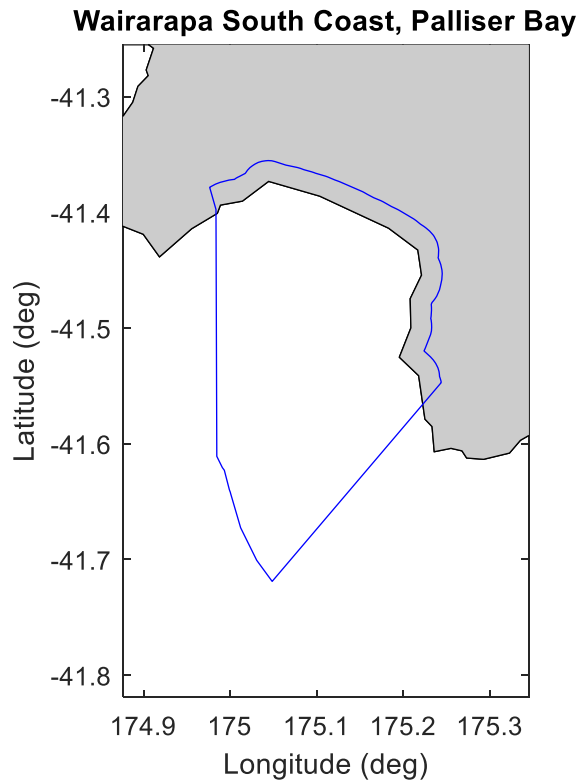
Deaggregation of Section:88, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.97 m



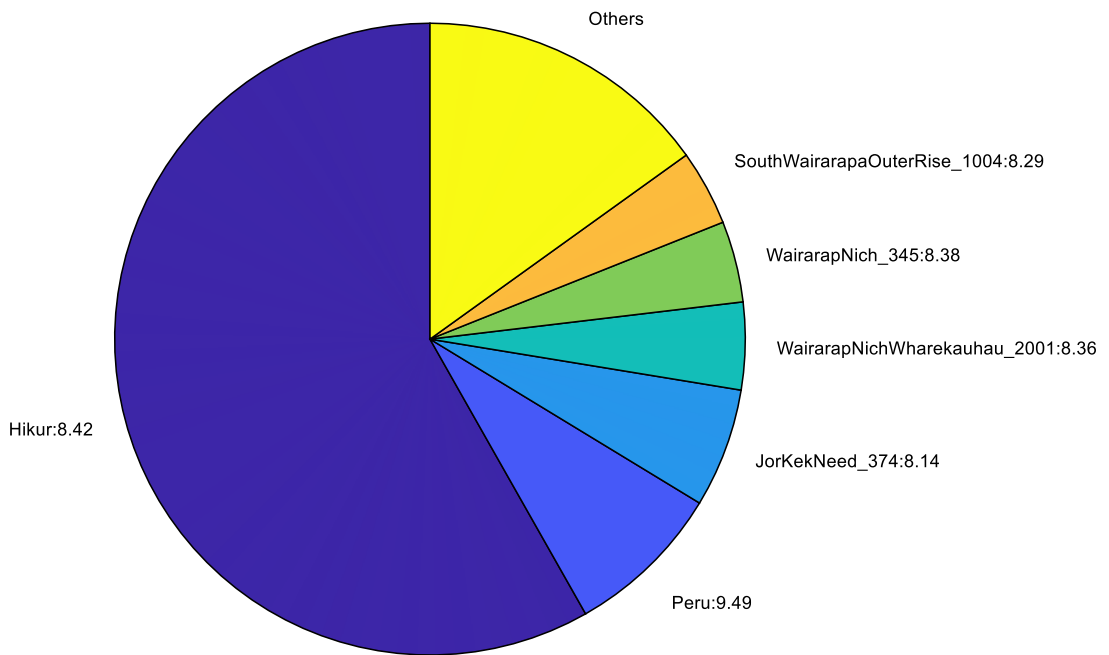
Deaggregation of Section:88, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.65 m



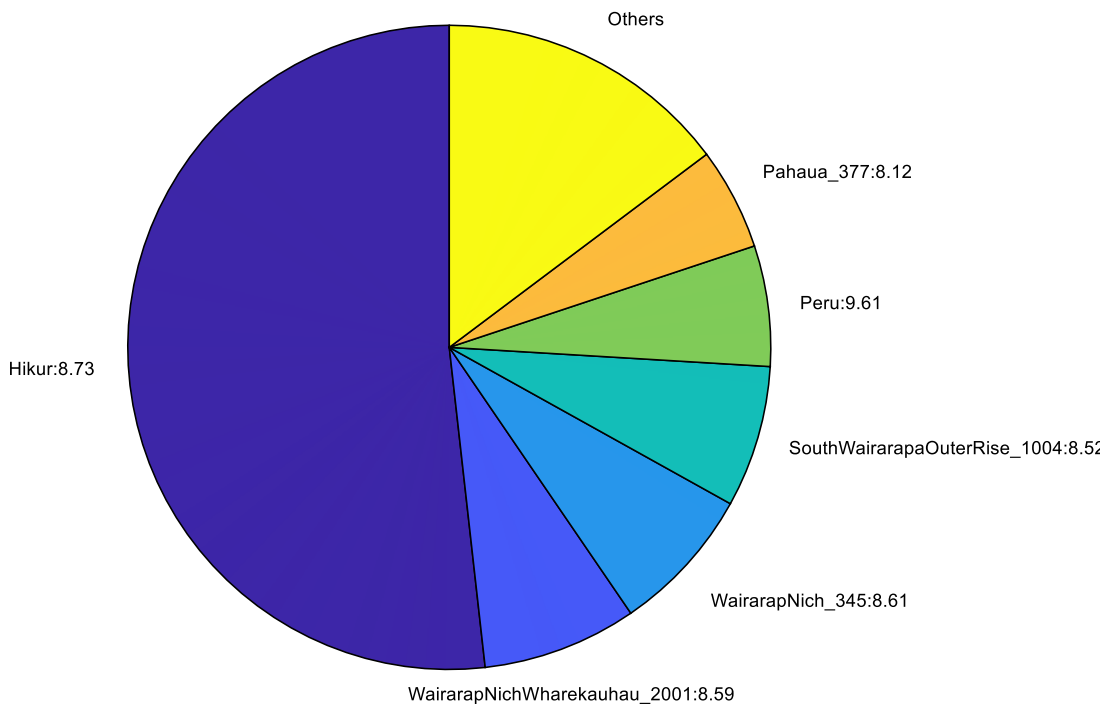
# A1.89 Coastal Section 89: Palliser Bay



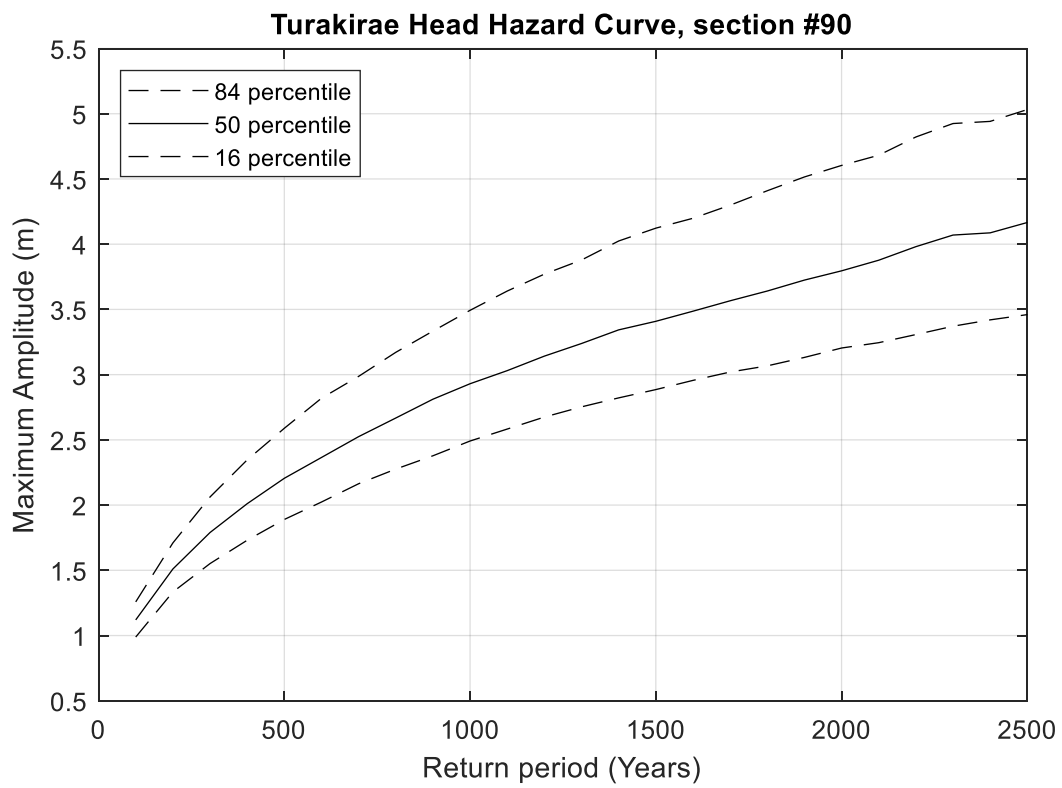
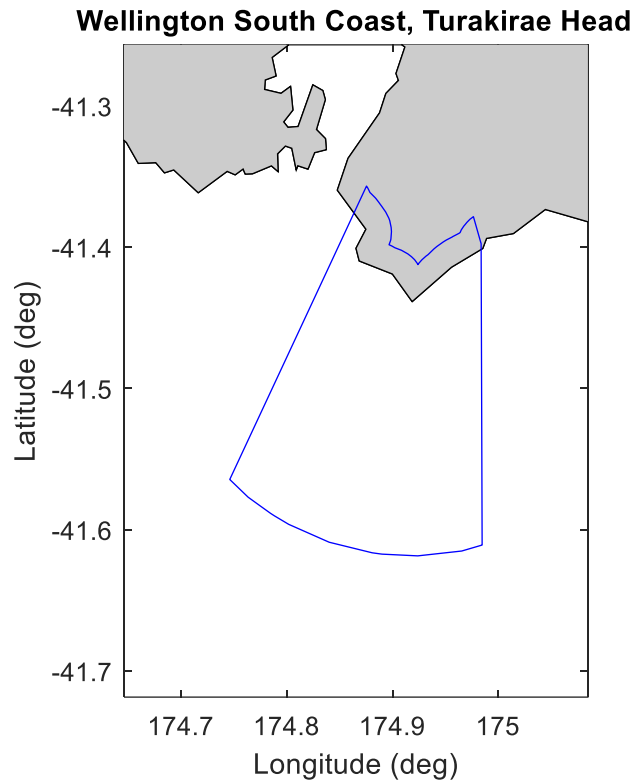
Deaggregation of Section:89, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.56 m



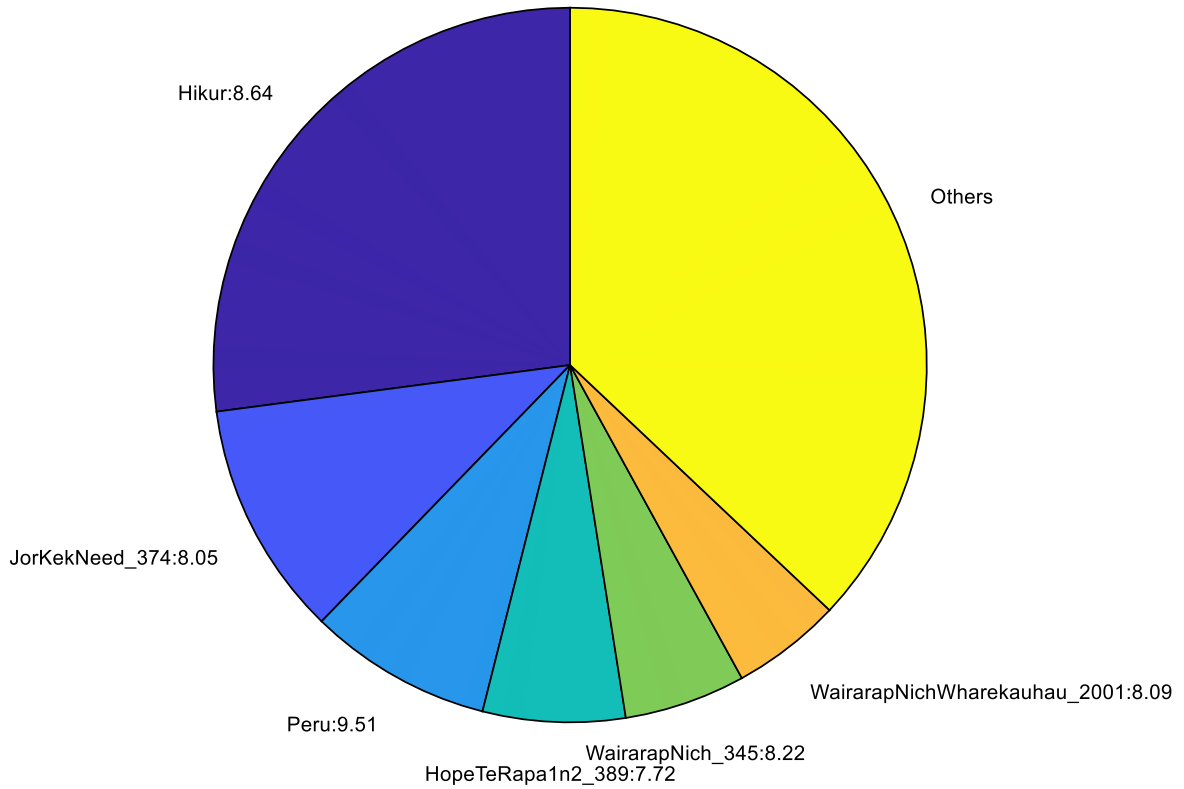
Deaggregation of Section:89, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:9.55 m



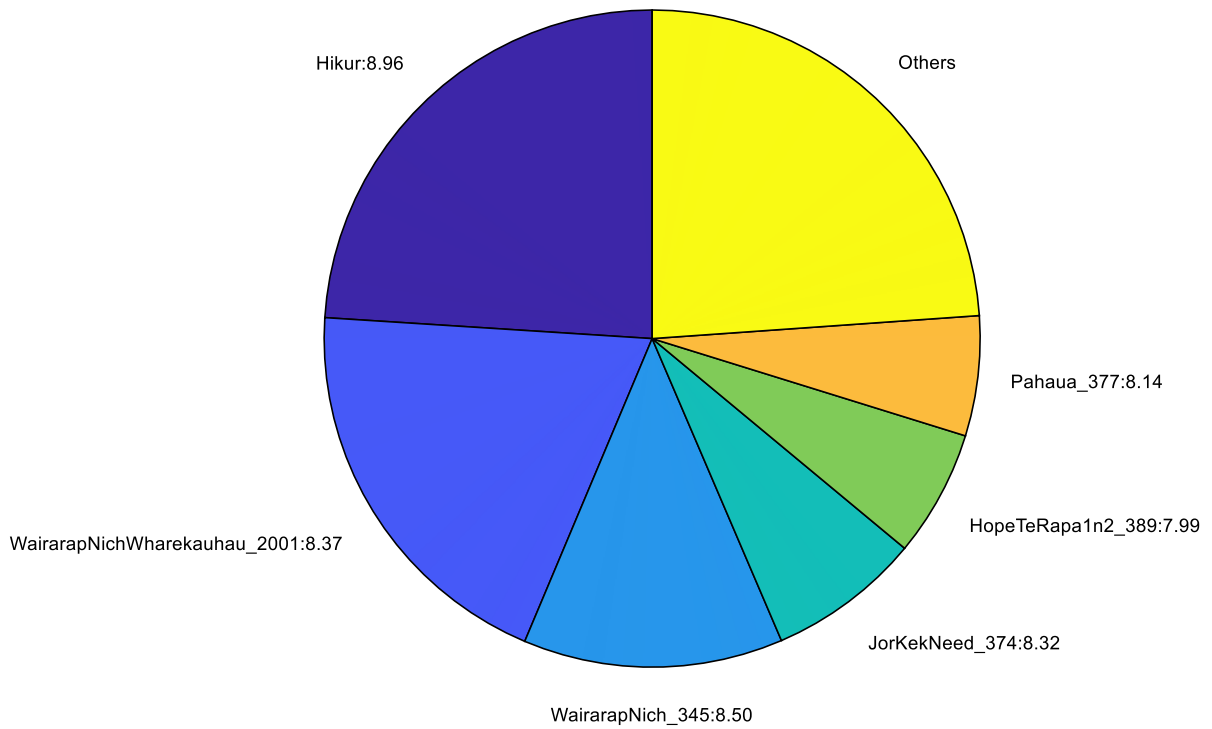
## A1.90 Coastal Section 90: Turakirae Head



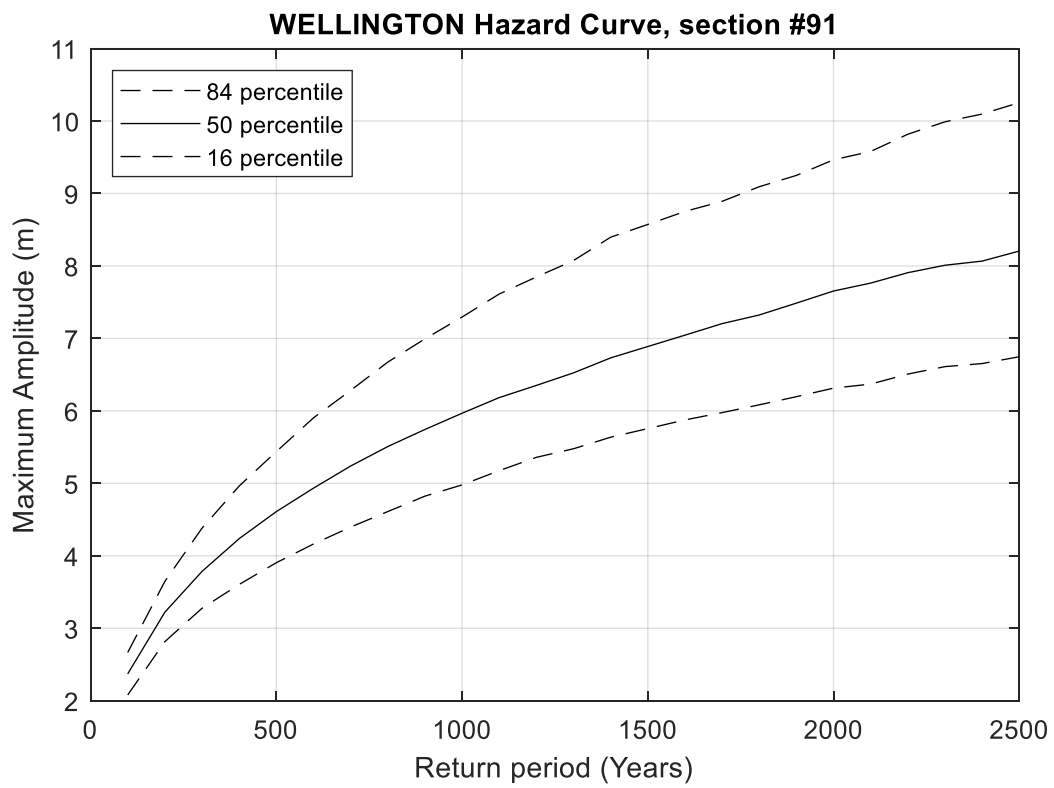
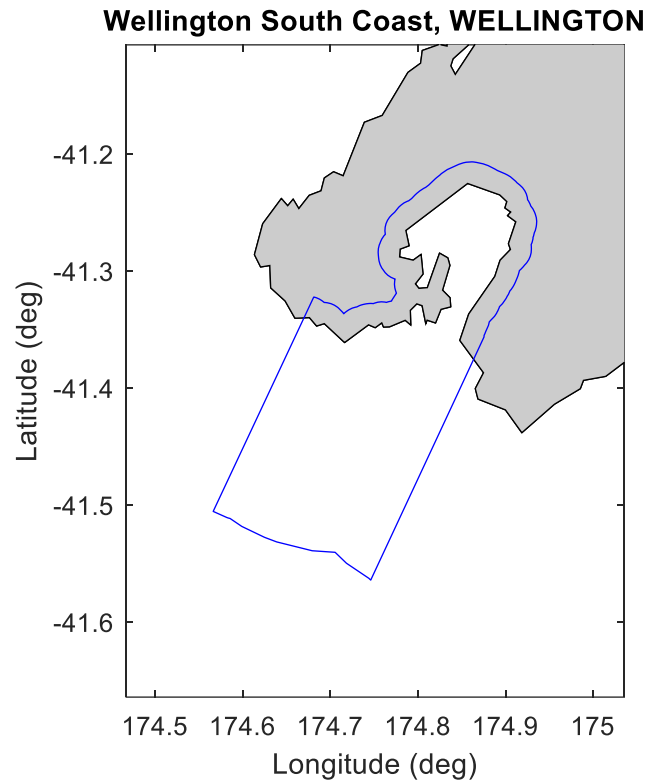
Deaggregation of Section:90, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.20 m



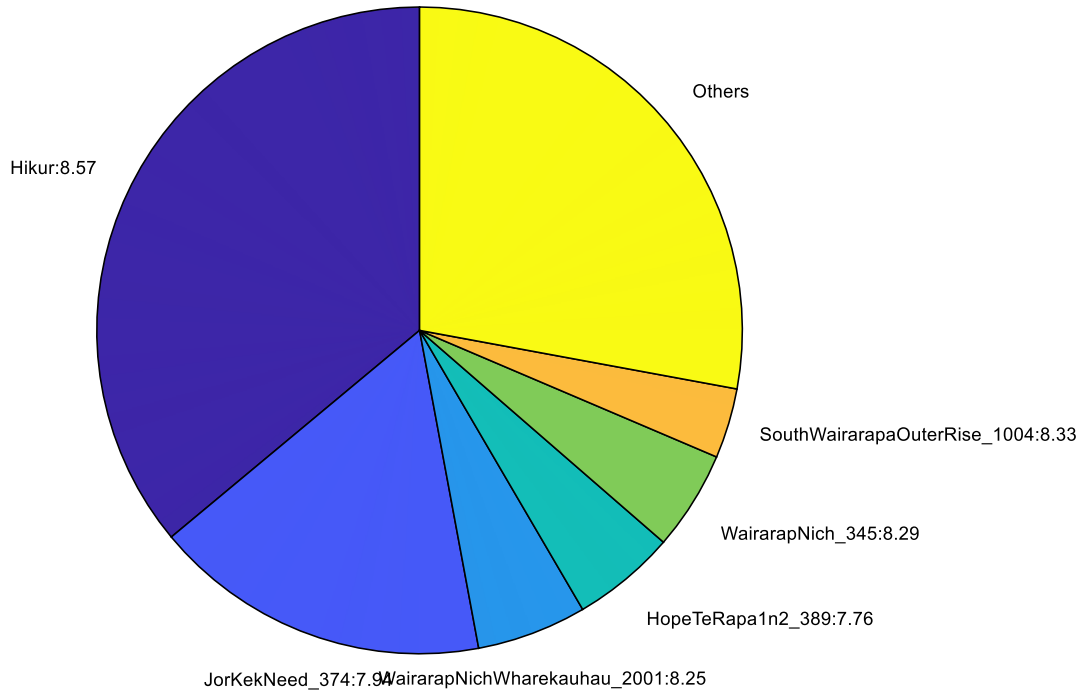
Deaggregation of Section:90, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.16 m



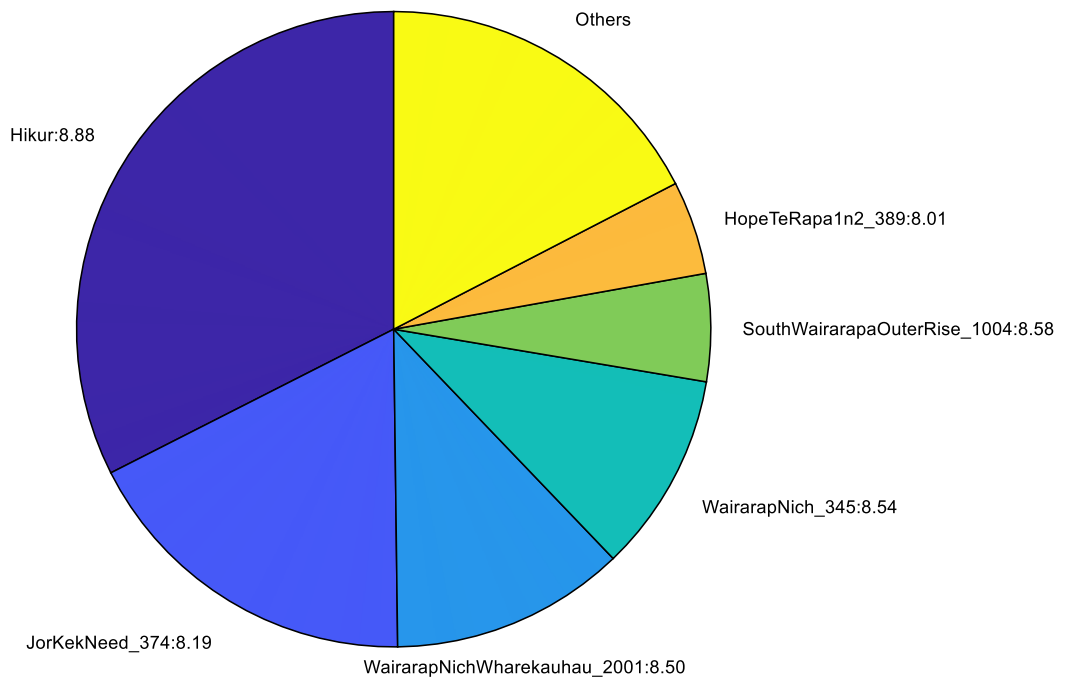
## A1.91 Coastal Section 91: Wellington



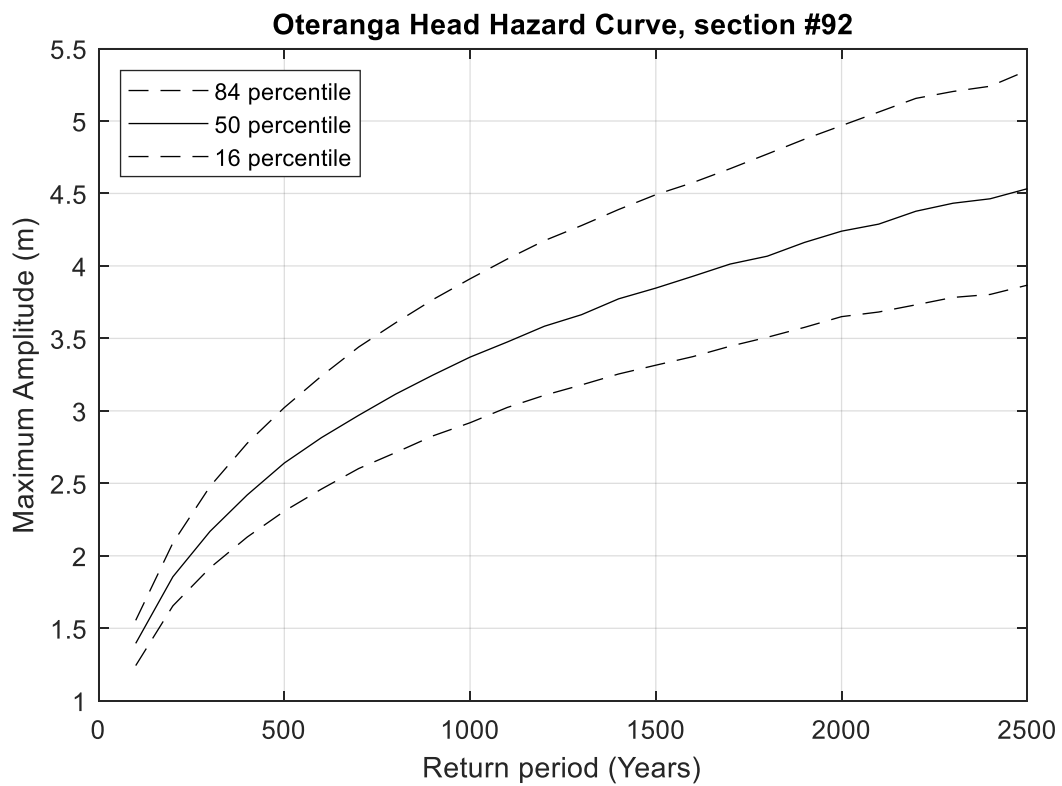
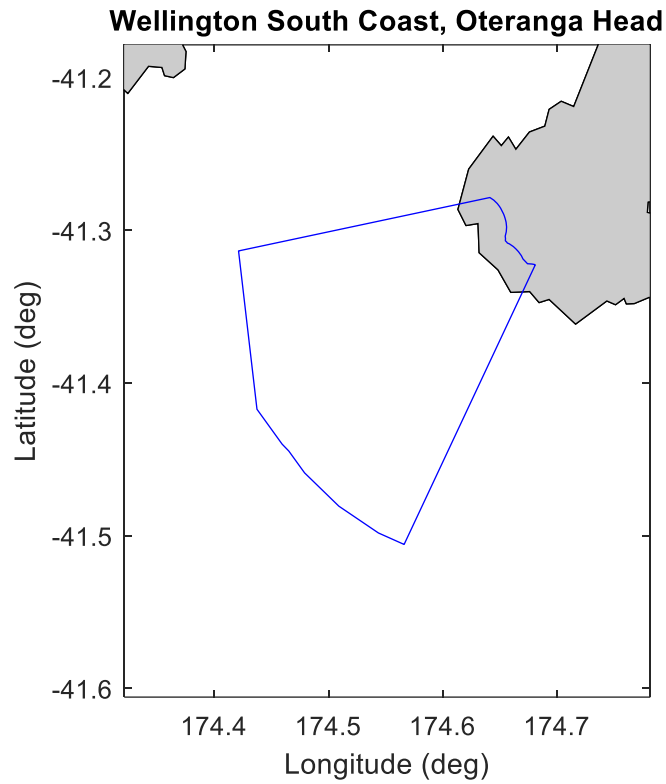
Deaggregation of Section:91, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.61 m



Deaggregation of Section:91, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.21 m

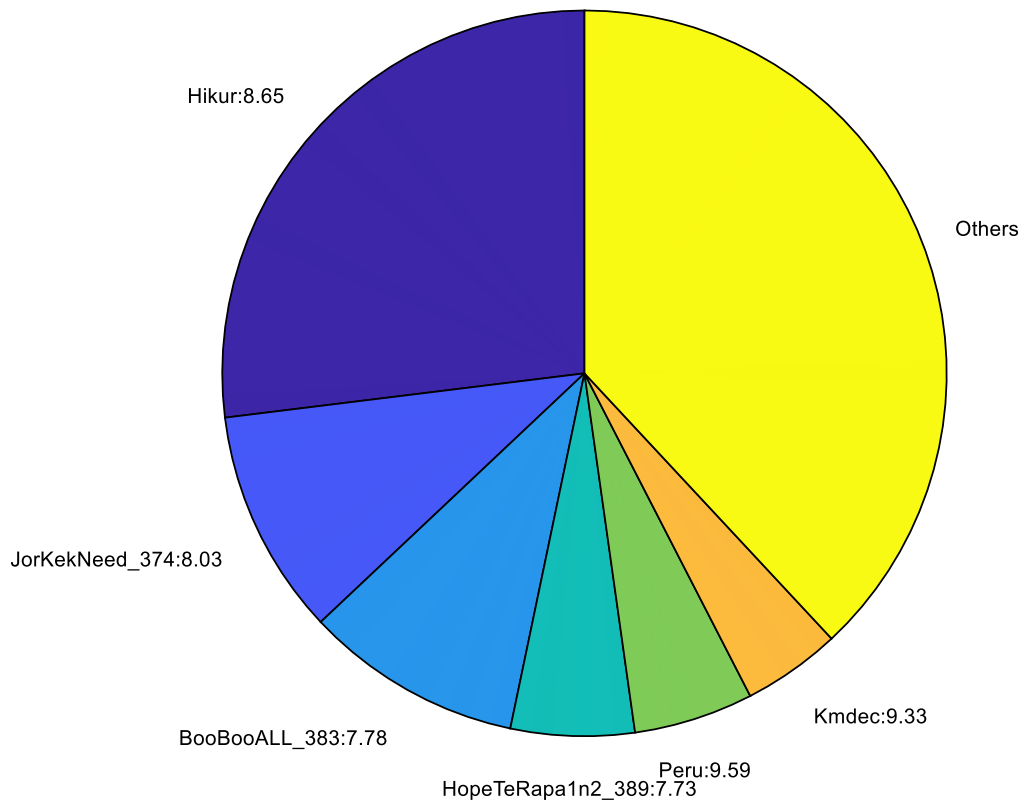


## A1.92 Coastal Section 92: Oteranga Head

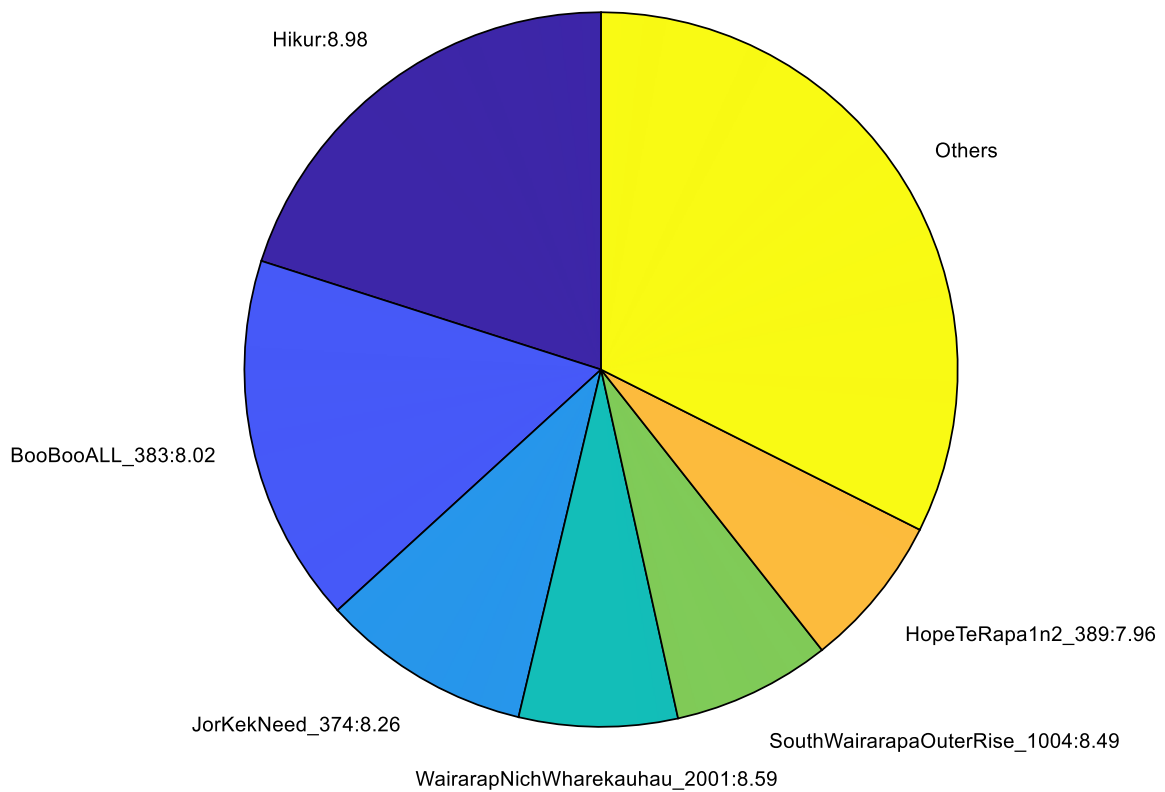




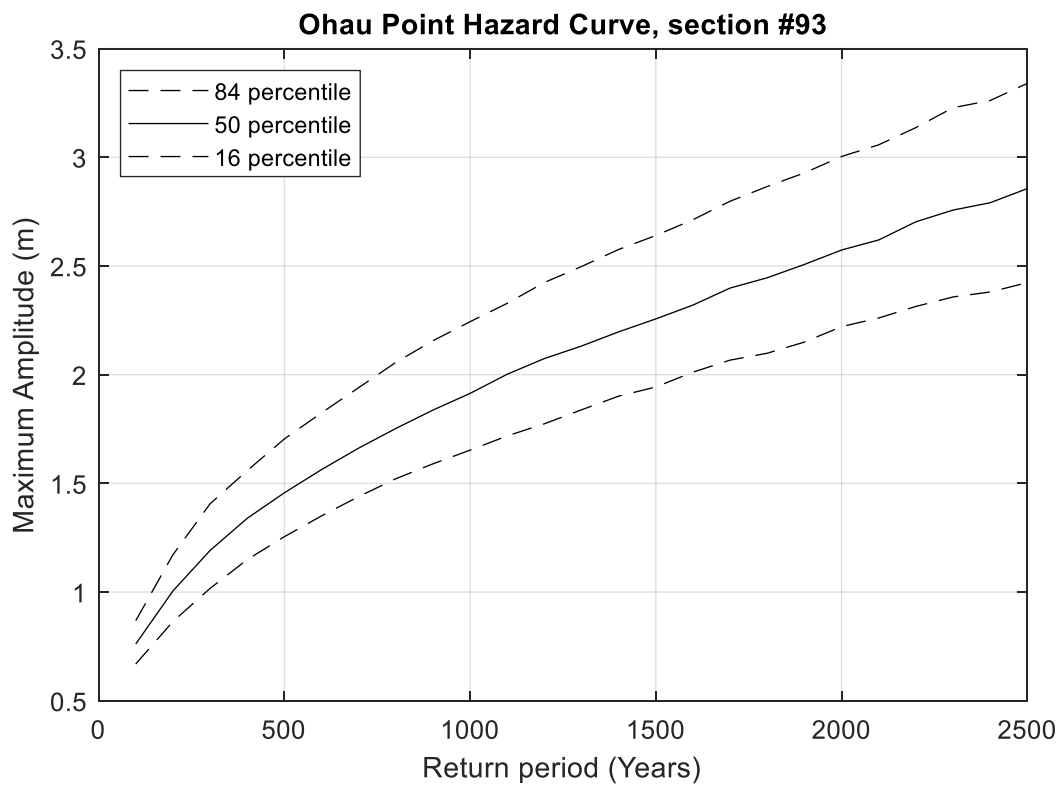
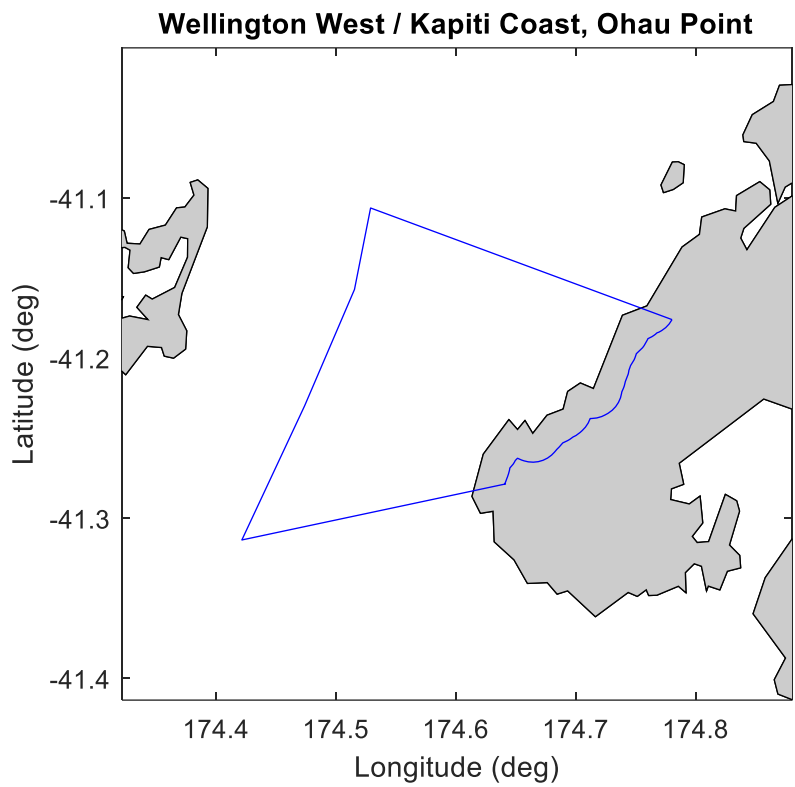
Deaggregation of Section:92, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.64 m



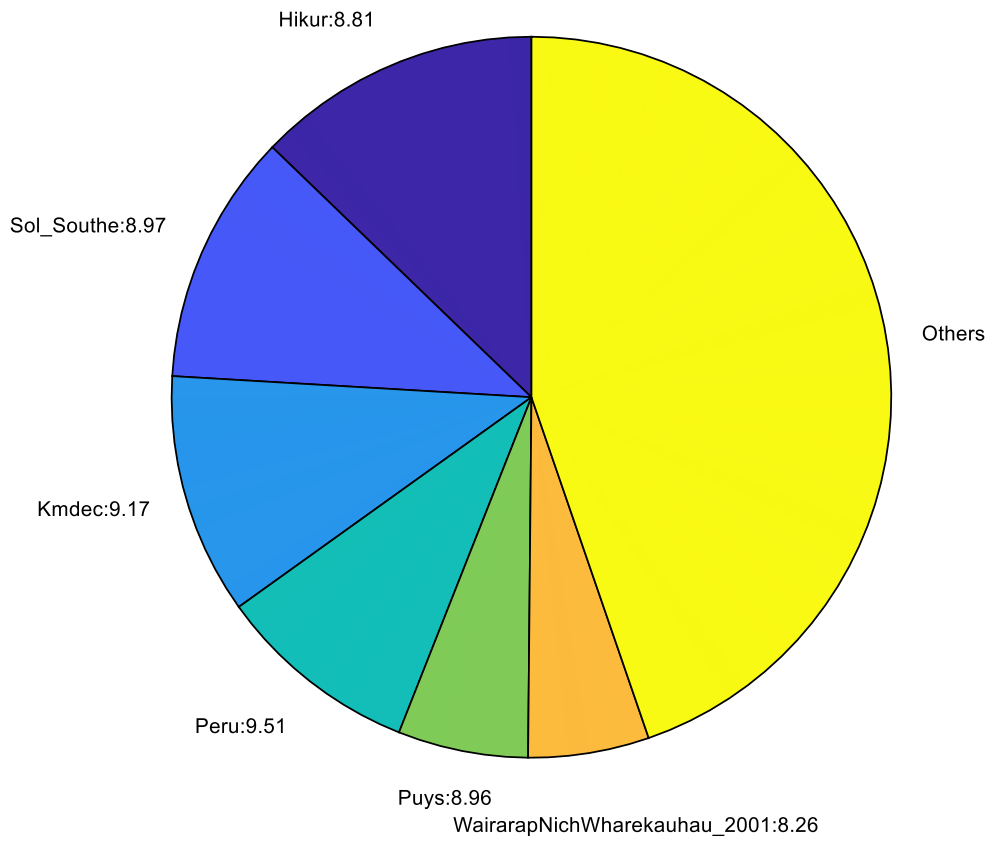
Deaggregation of Section:92, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.53 m



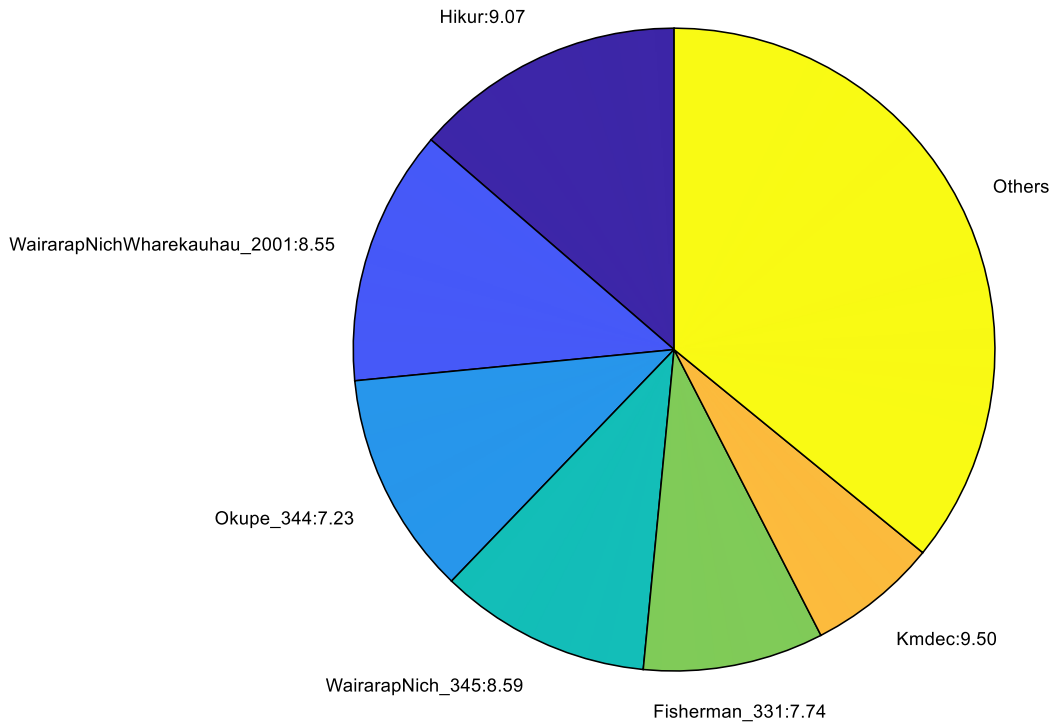
### A1.93 Coastal Section 93: Ohau Point



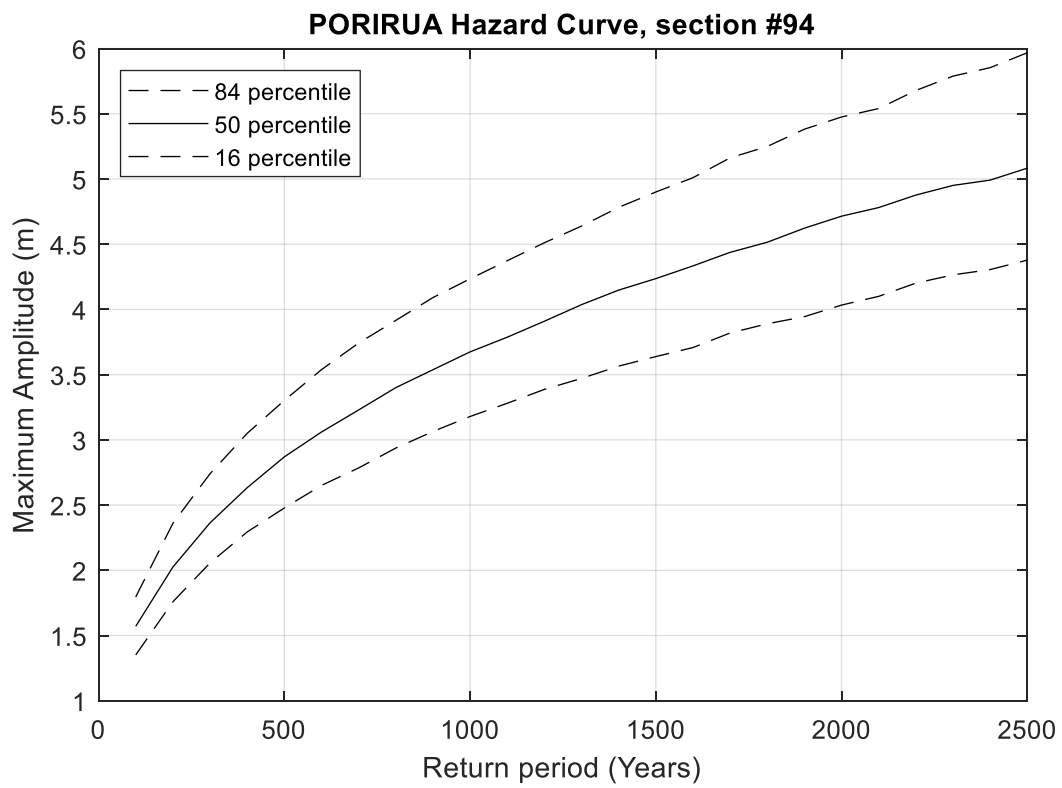
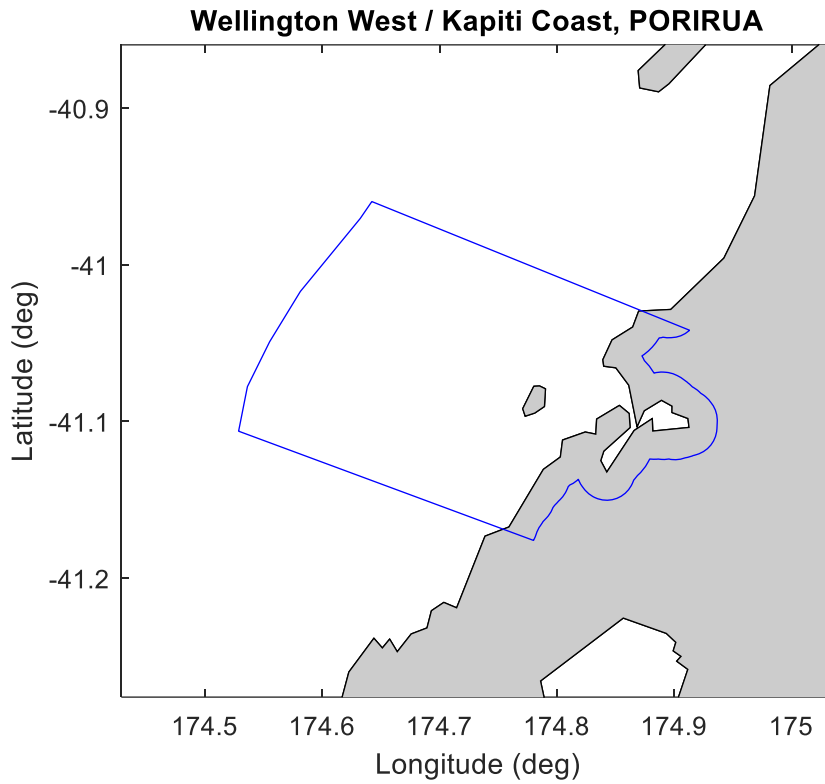
Deaggregation of Section:93, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:1.46 m



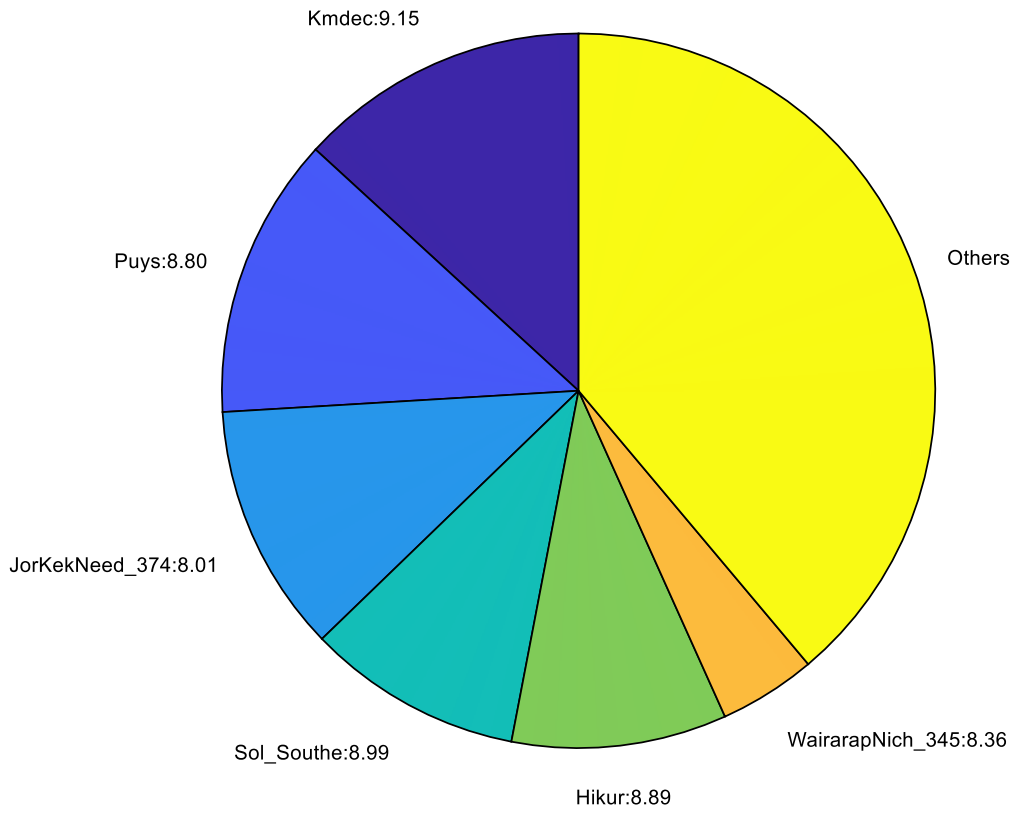
Deaggregation of Section:93, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.85 m



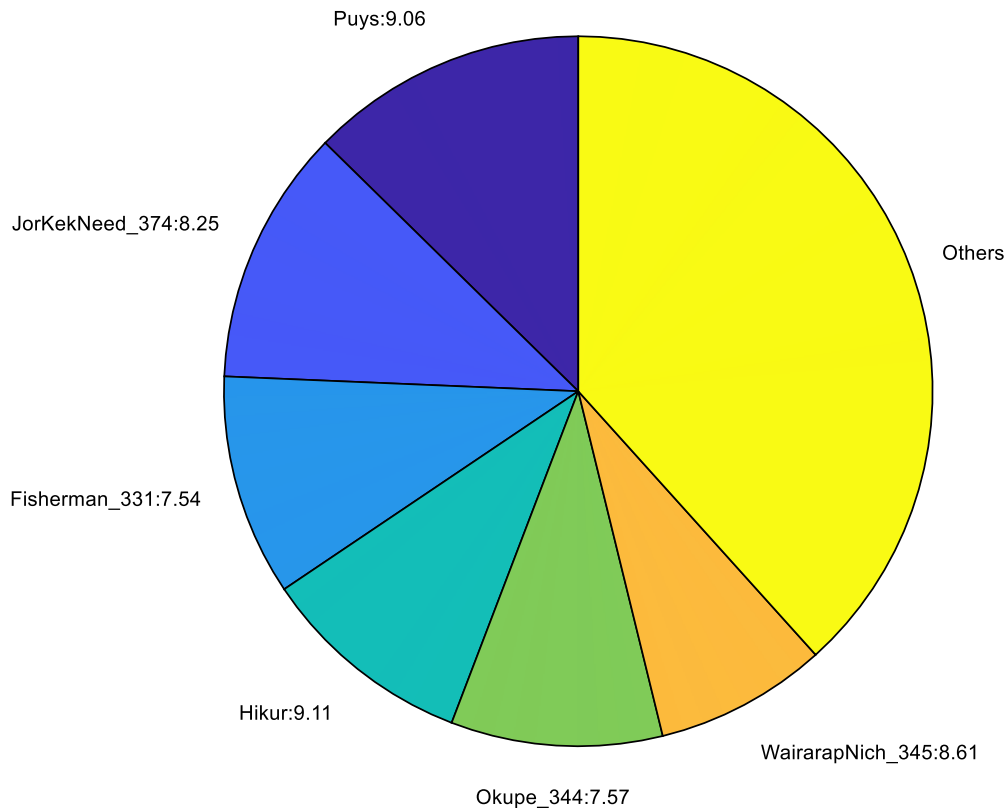
**A1.94 Coastal Section 94: Porirua**



**Deaggregation of Section:94, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.87 m**

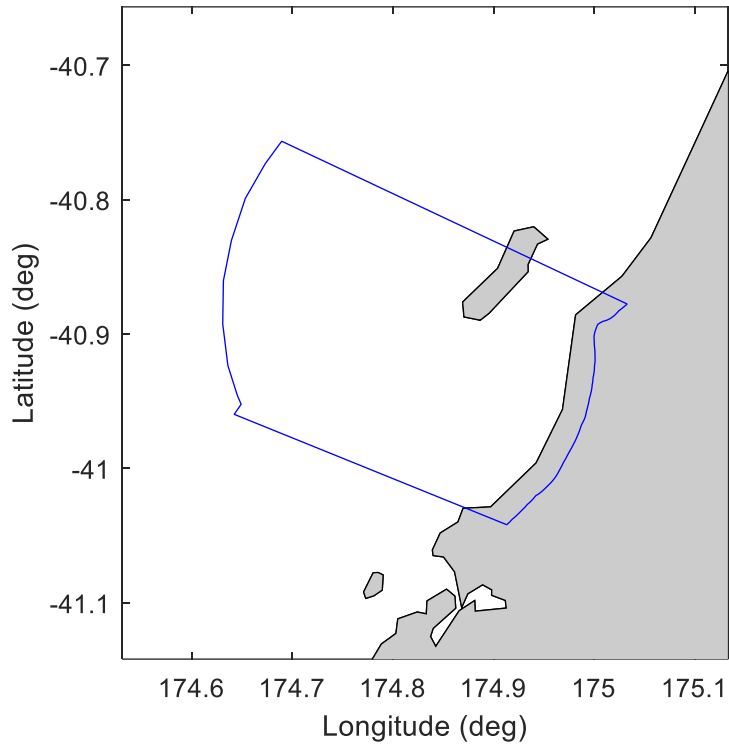


**Deaggregation of Section:94, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.08 m**

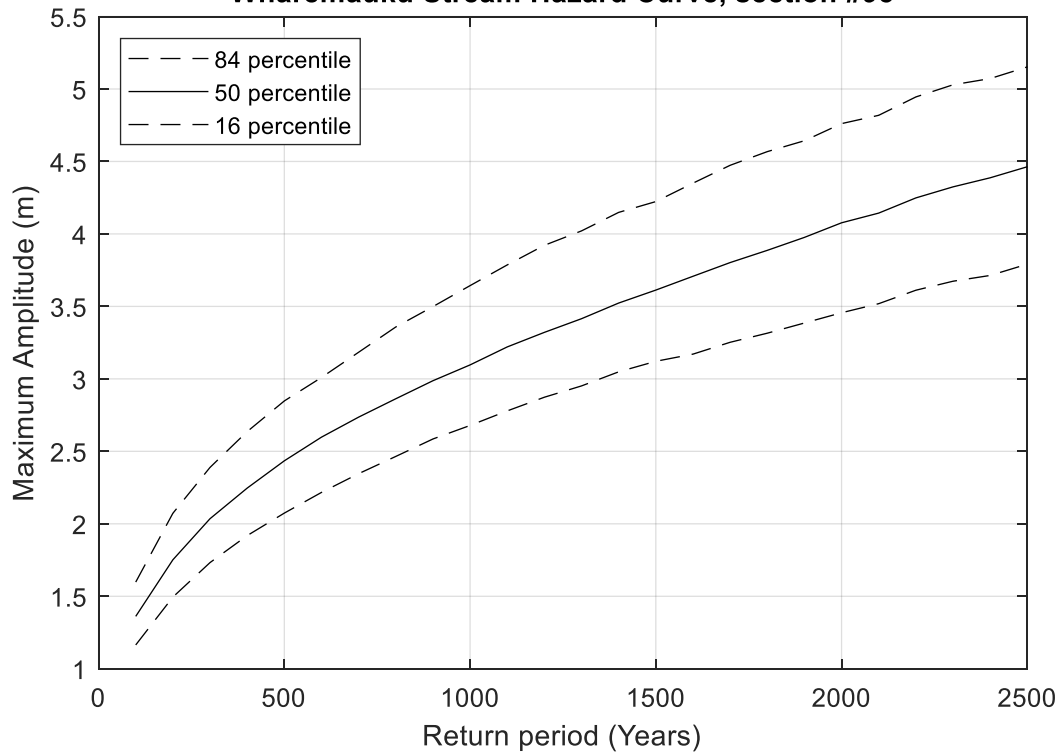


## A1.95 Coastal Section 95: Wharemauku Stream

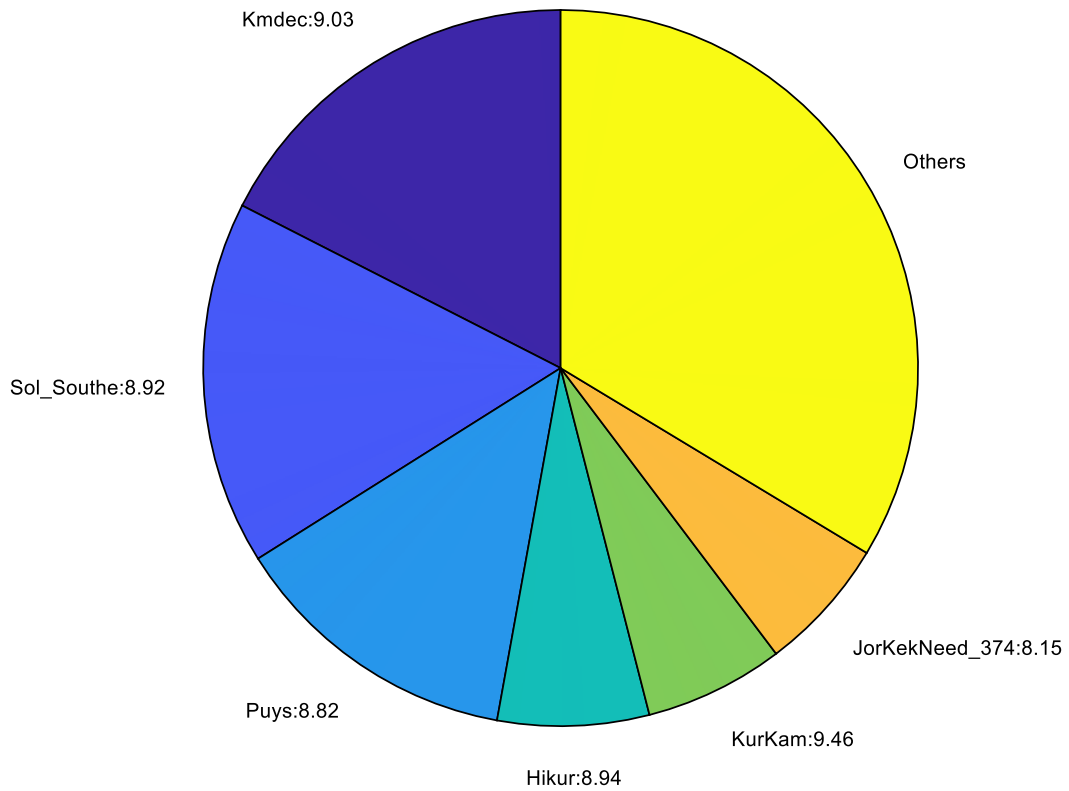
### Wellington West / Kapiti Coast, Wharemauku Stream



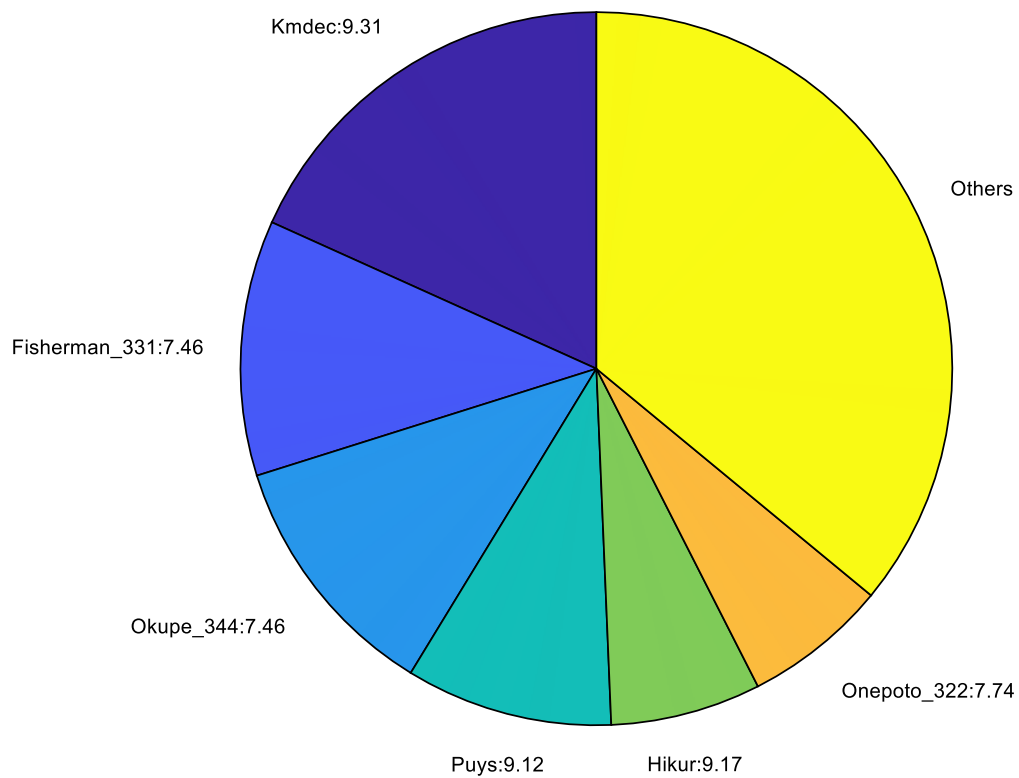
### Wharemauku Stream Hazard Curve, section #95



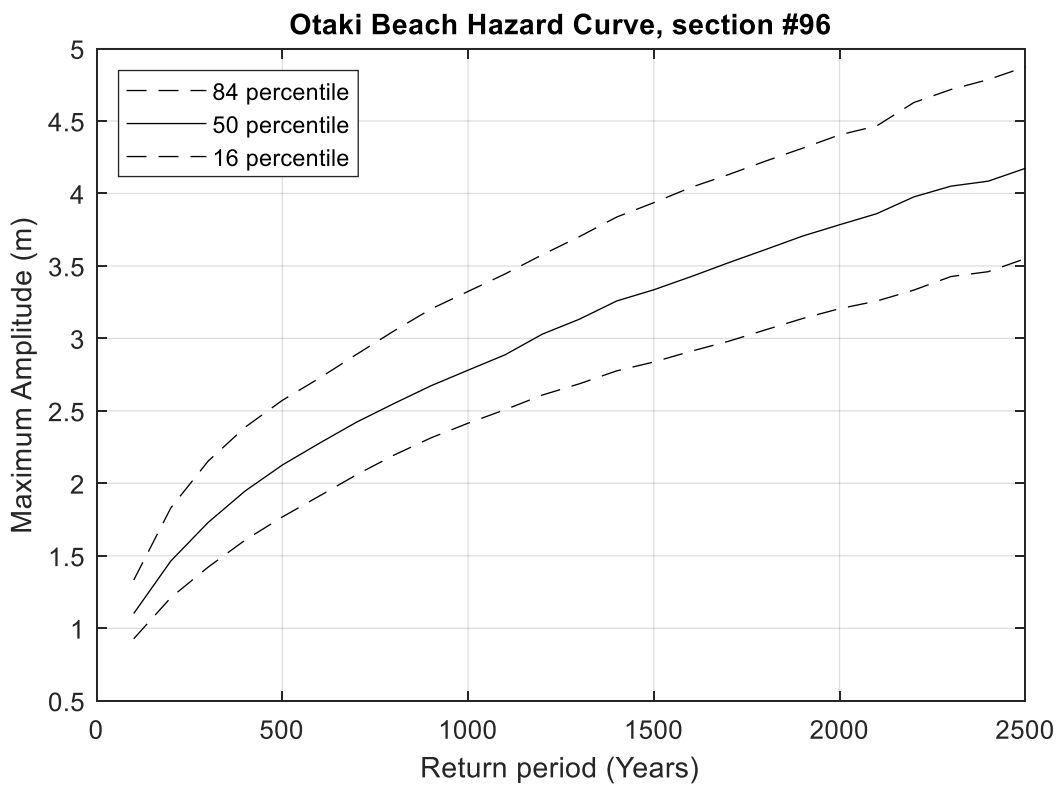
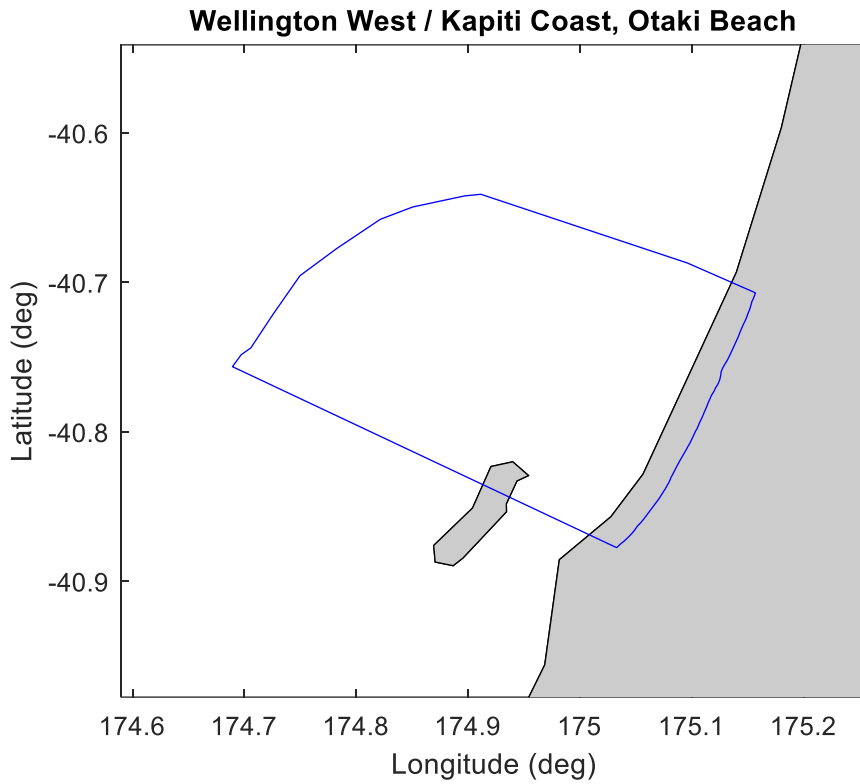
Deaggregation of Section:95, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.43 m



Deaggregation of Section:95, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.46 m

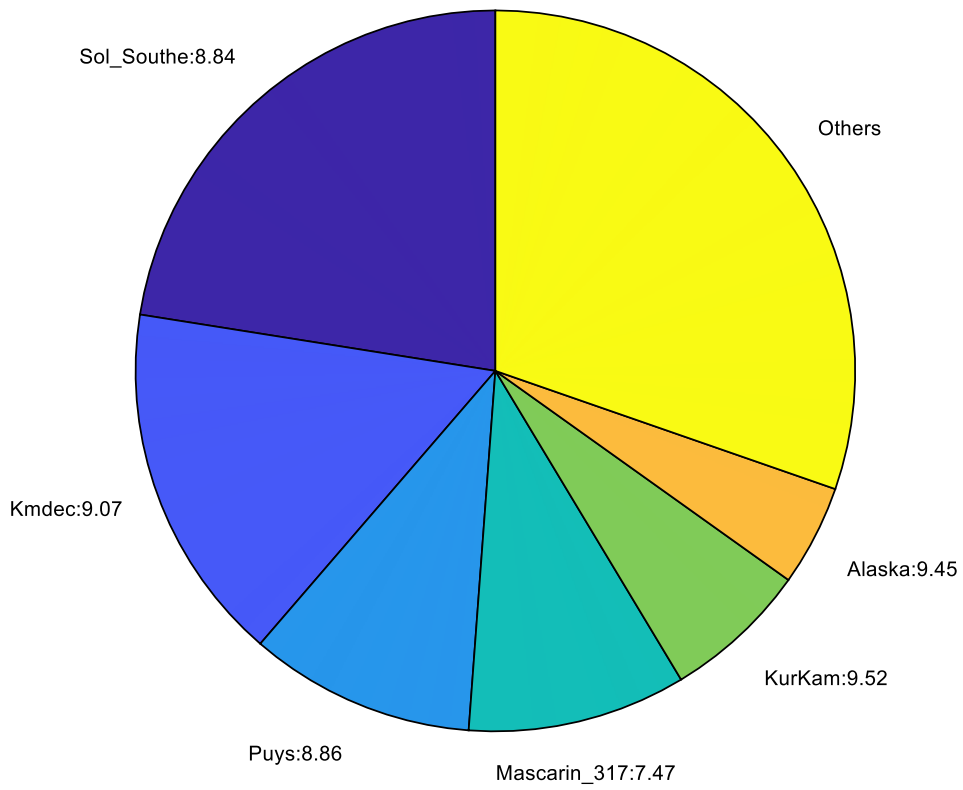


**A1.96 Coastal Section 96: Otaki Beach**

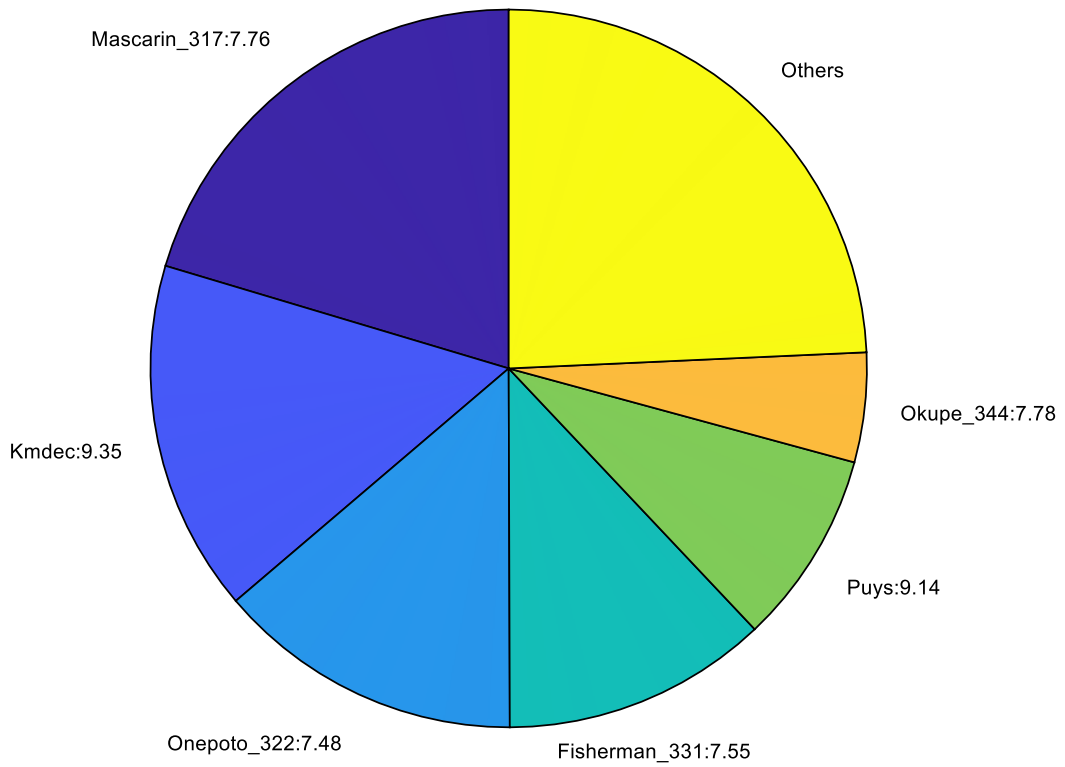




Deaggregation of Section:96, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.13 m

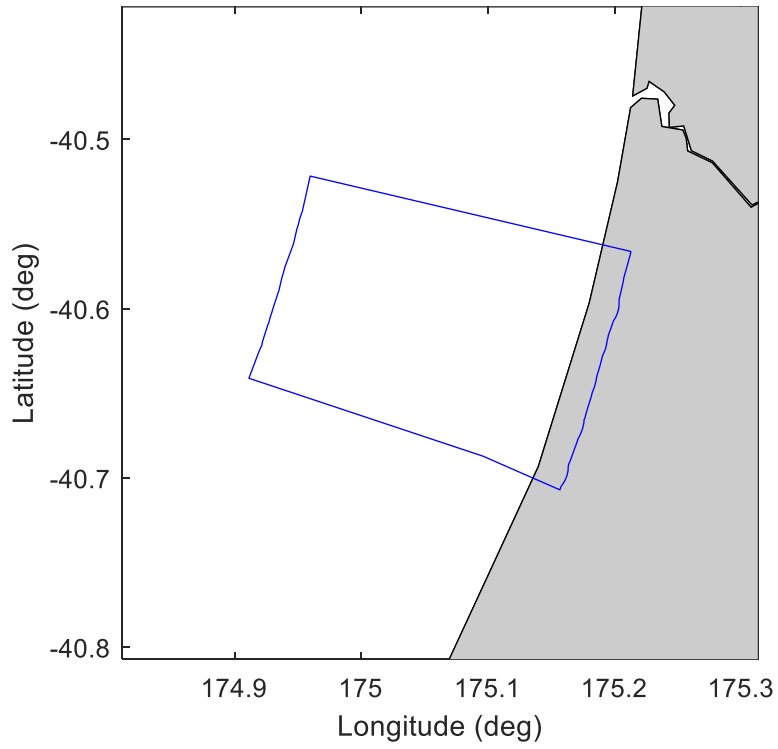


Deaggregation of Section:96, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.17 m

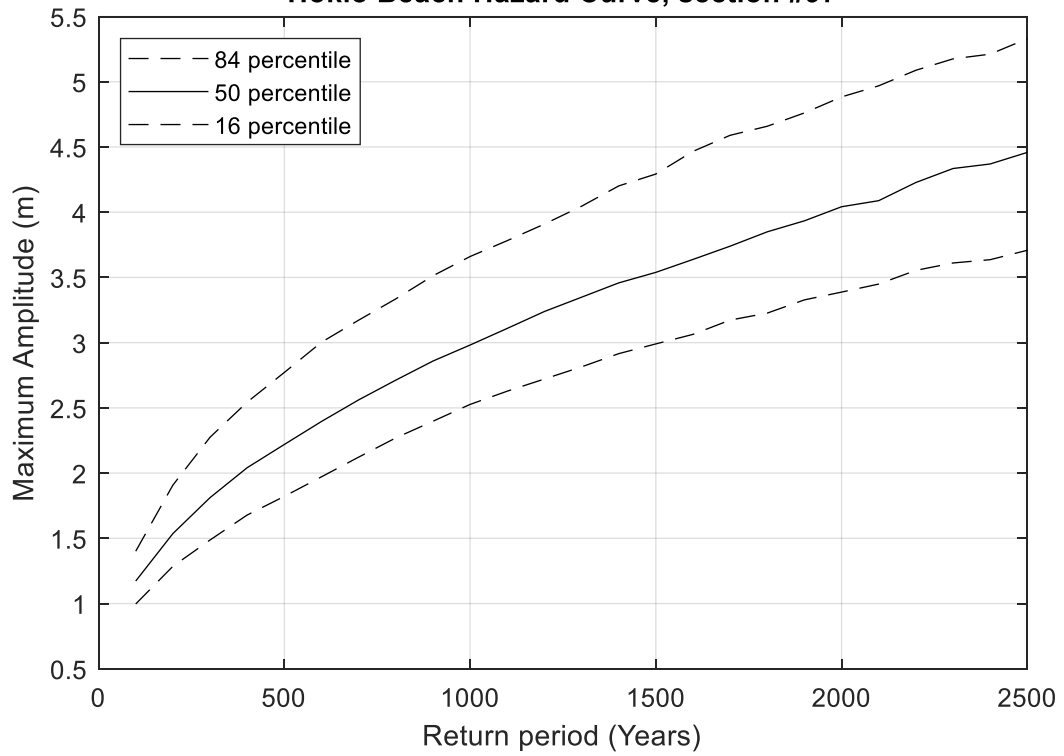


# A1.97 Coastal Section 97: Hokio Beach

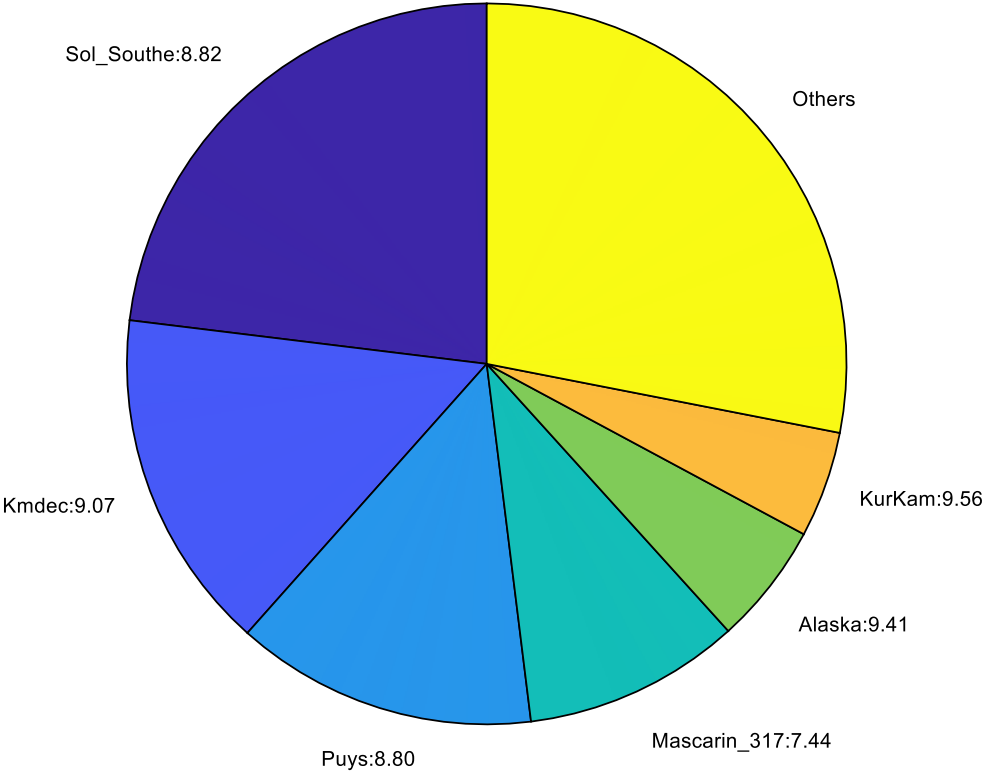
## Horowhenua / Manawatu / Rangitikei Coast, Hokio Beach



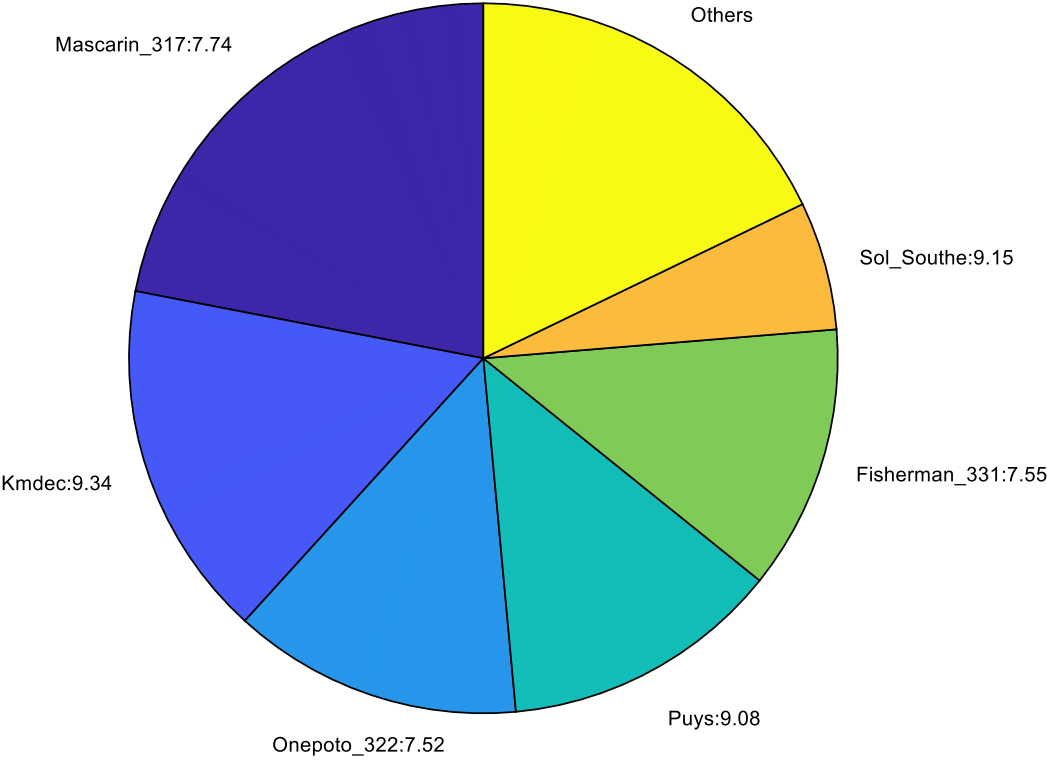
## Hokio Beach Hazard Curve, section #97



Deaggregation of Section:97, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.22 m

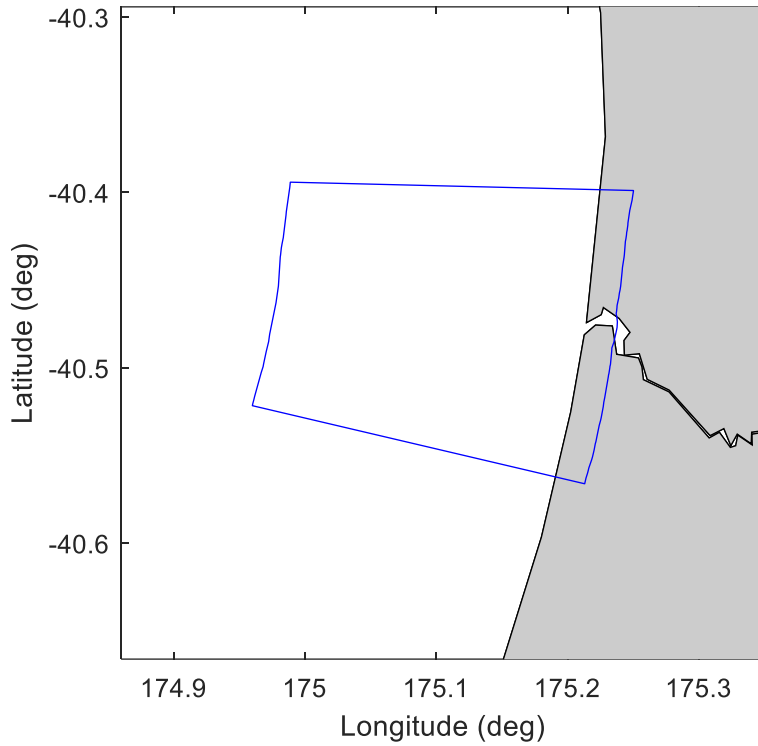


Deaggregation of Section:97, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.46 m

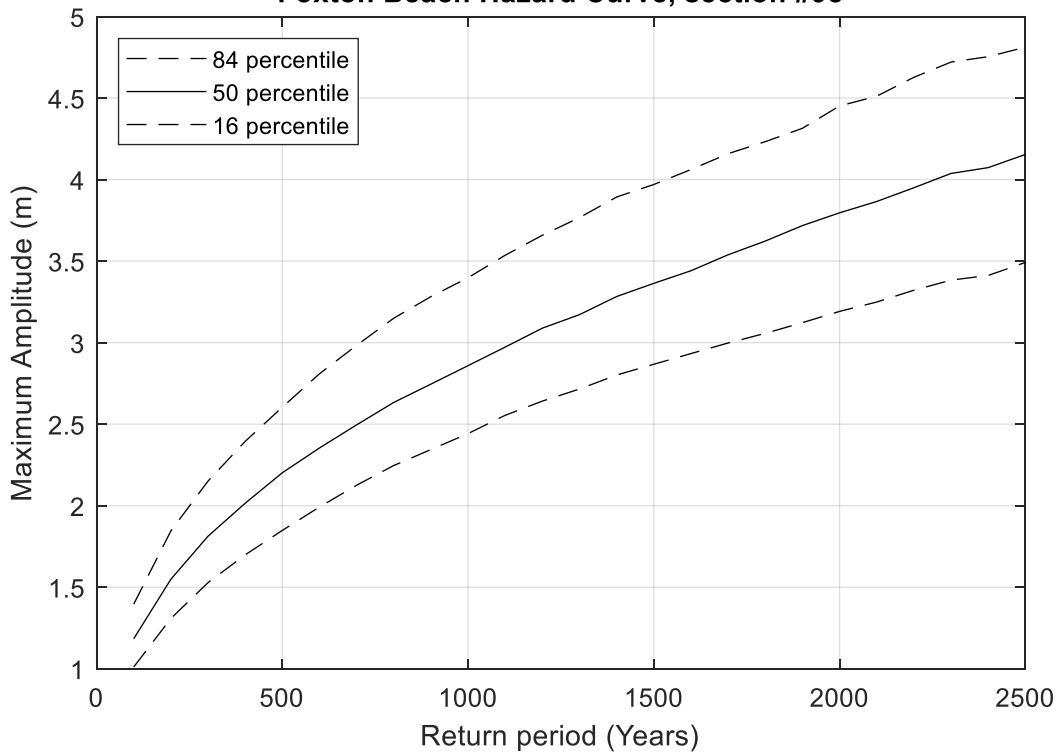


# A1.98 Coastal Section 98: Foxton Beach

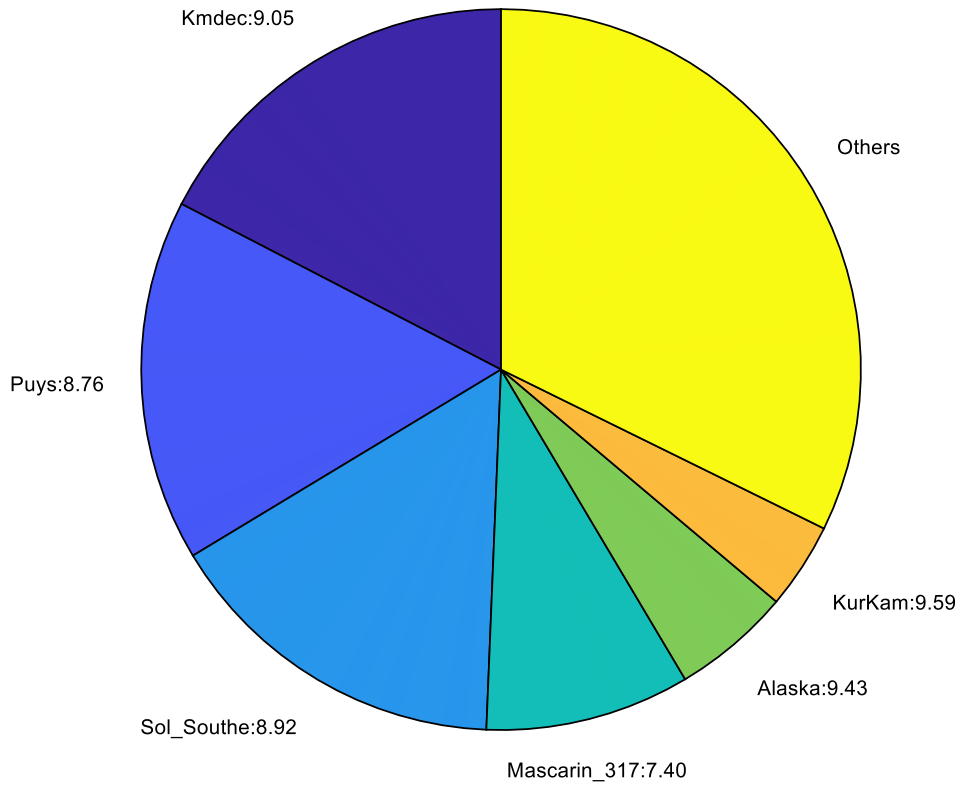
## Horowhenua / Manawatu / Rangitikei Coast, Foxton Beach



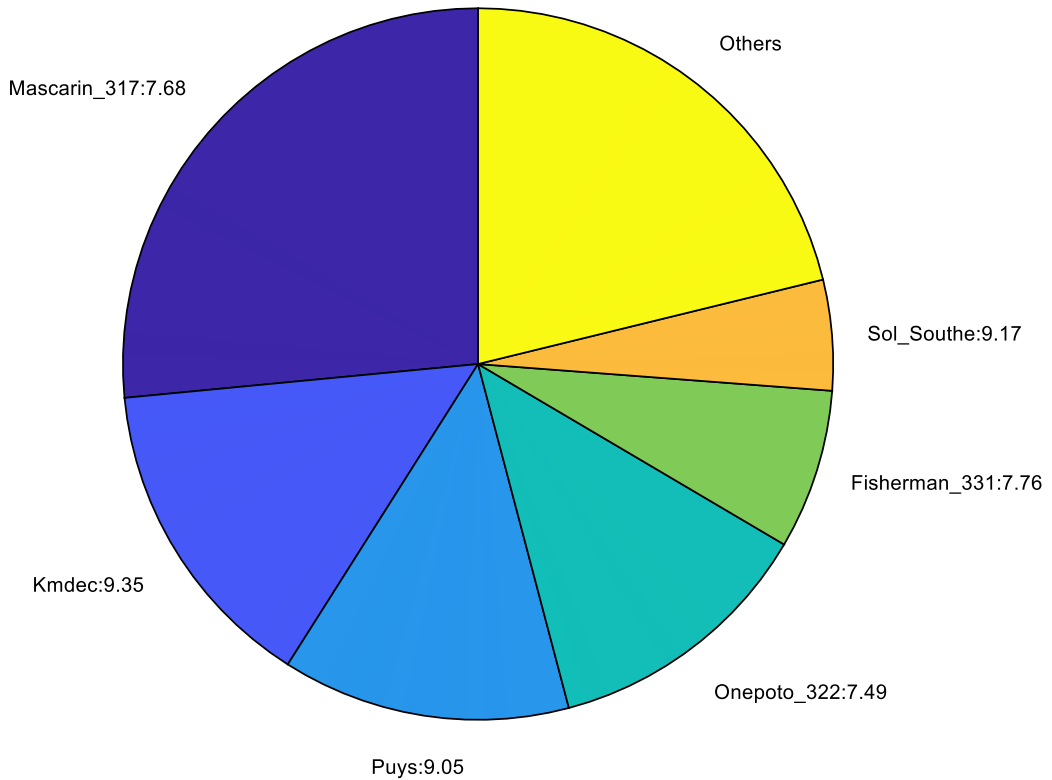
## Foxton Beach Hazard Curve, section #98



Deaggregation of Section:98, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.20 m

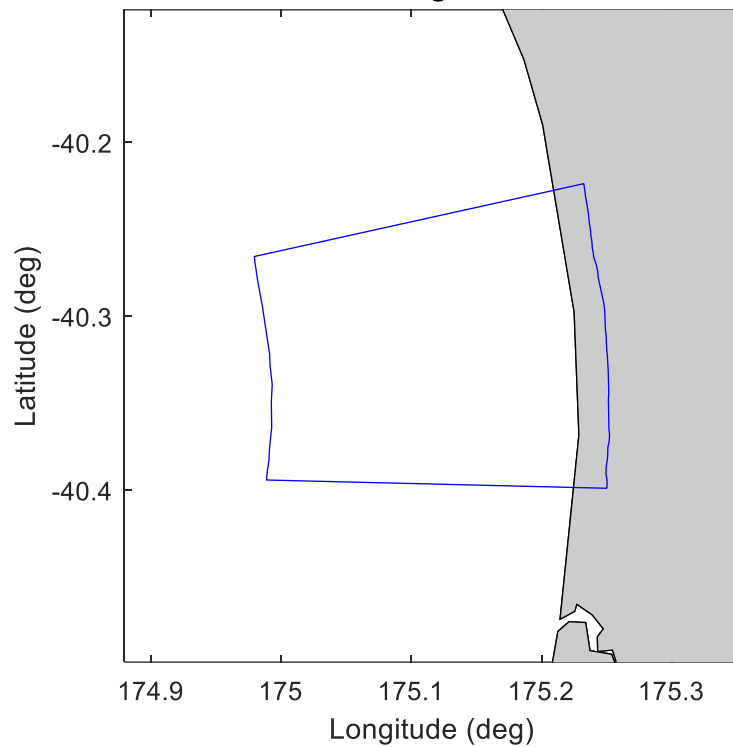


Deaggregation of Section:98, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.15 m

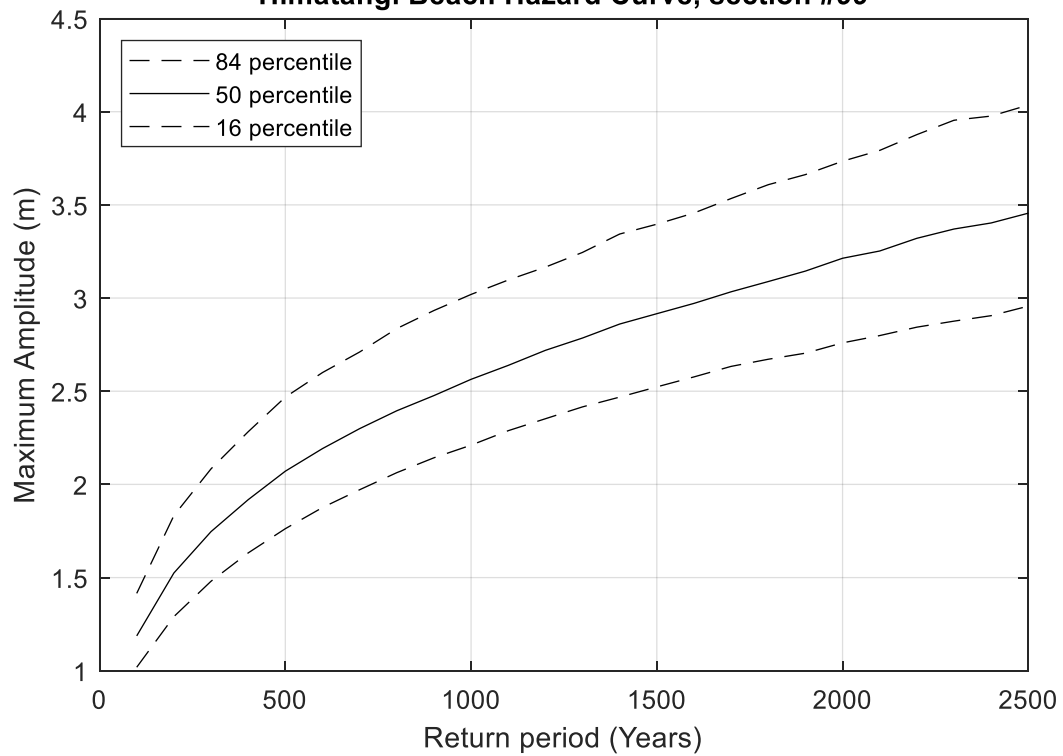


## A1.99 Coastal Section 99: Himatangi Beach

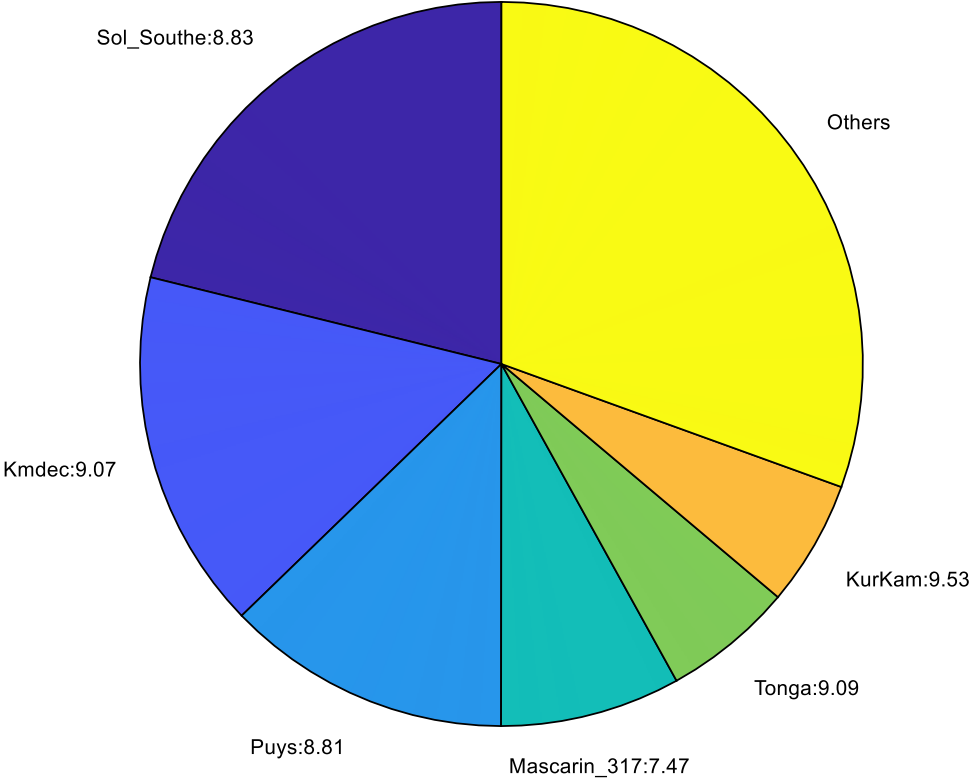
### Horowhenua / Manawatu / Rangitikei Coast, Himatangi Beach



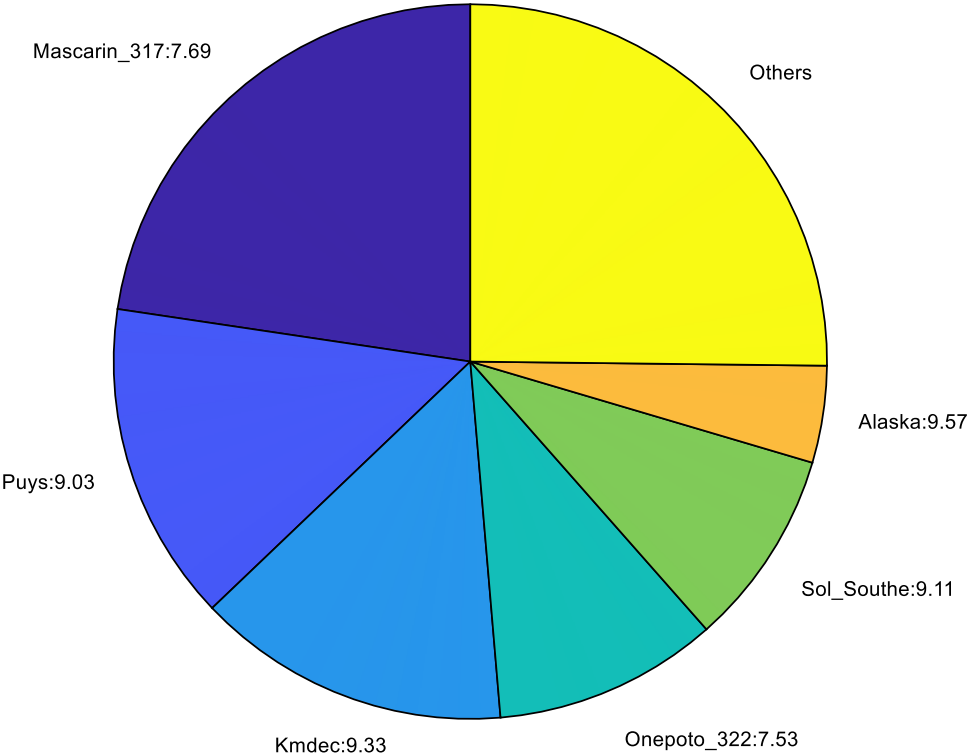
### Himatangi Beach Hazard Curve, section #99



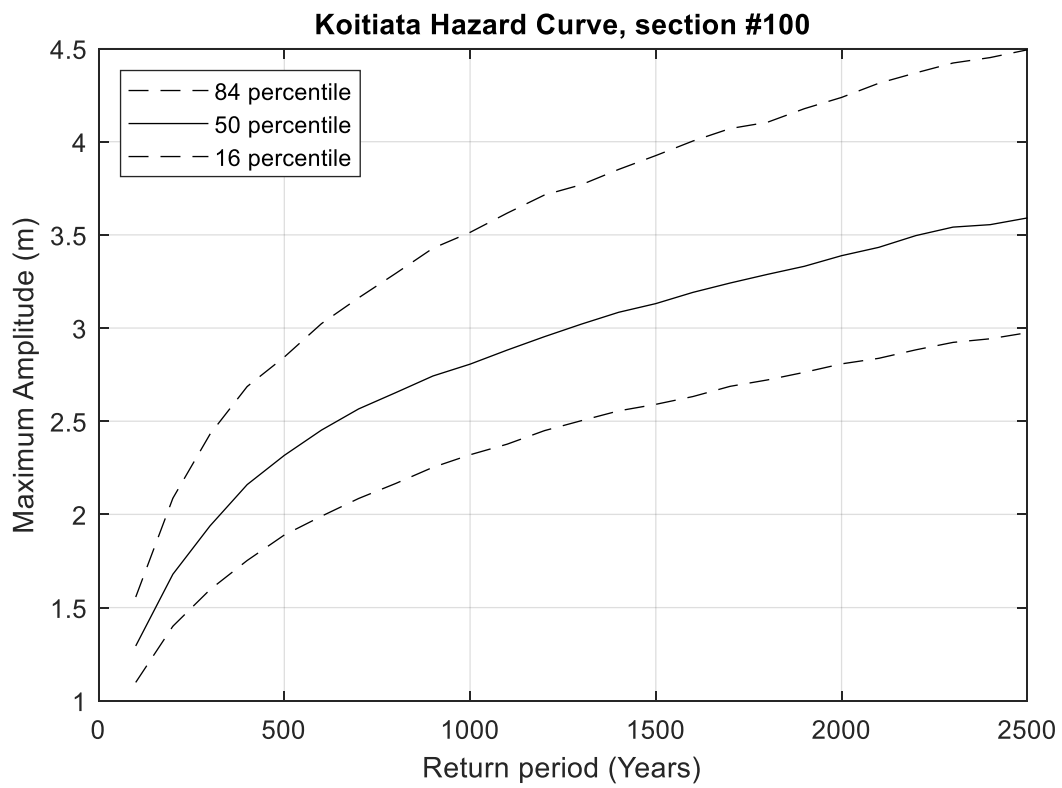
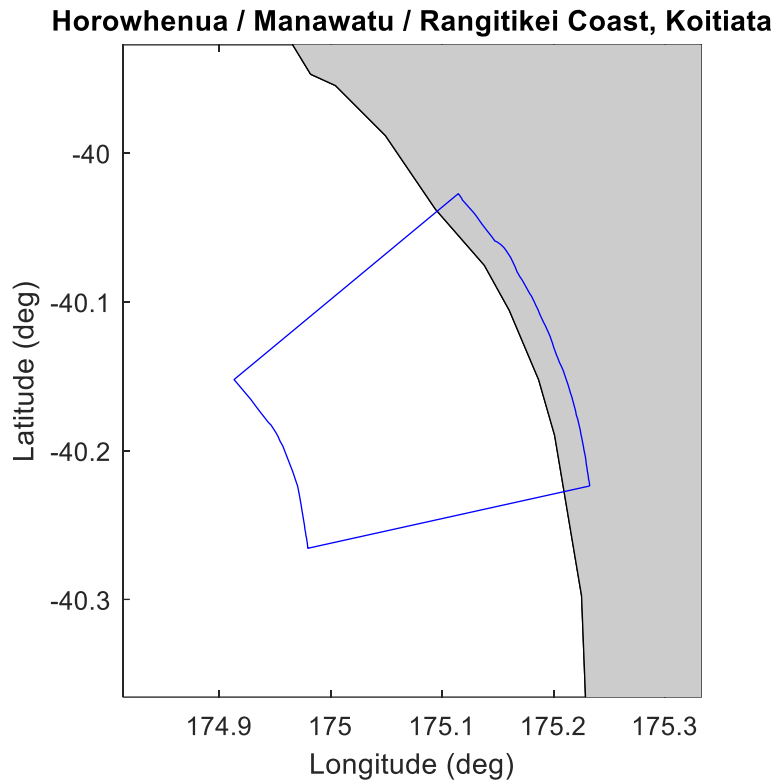
Deaggregation of Section:99, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.07 m



Deaggregation of Section:99, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.46 m

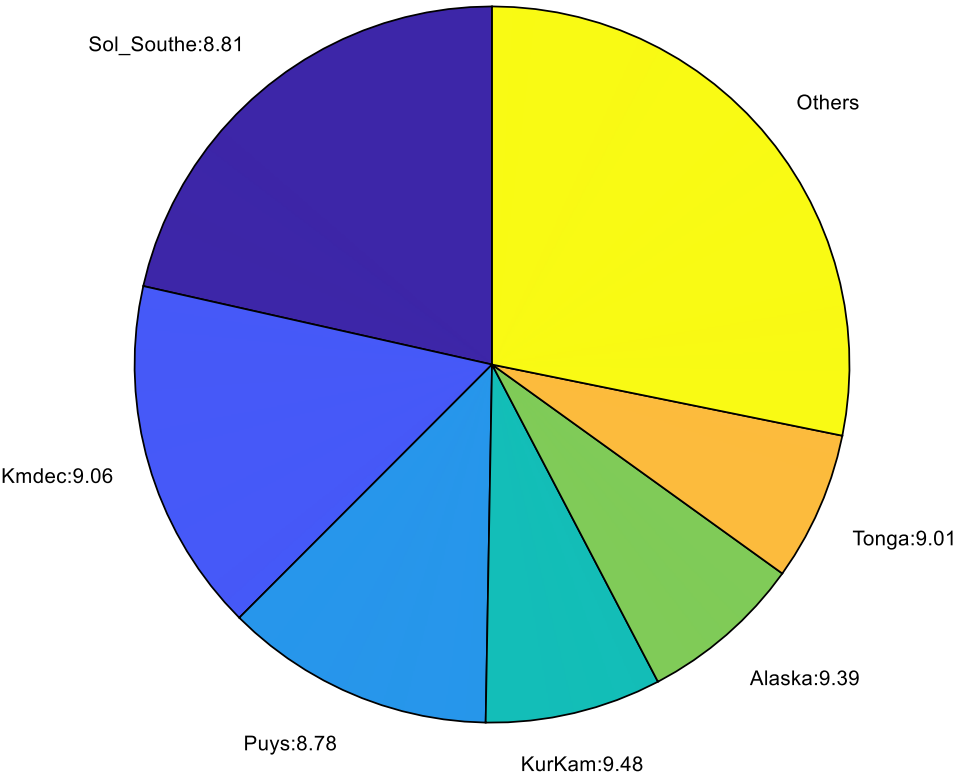


## A1.100 Coastal Section 100: Koitiata

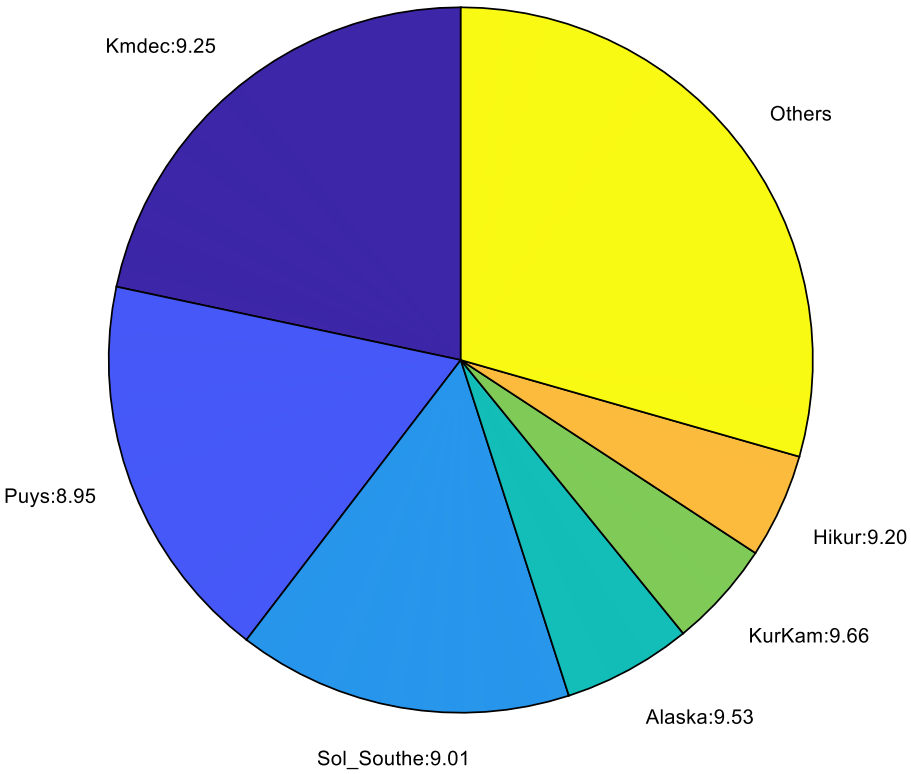




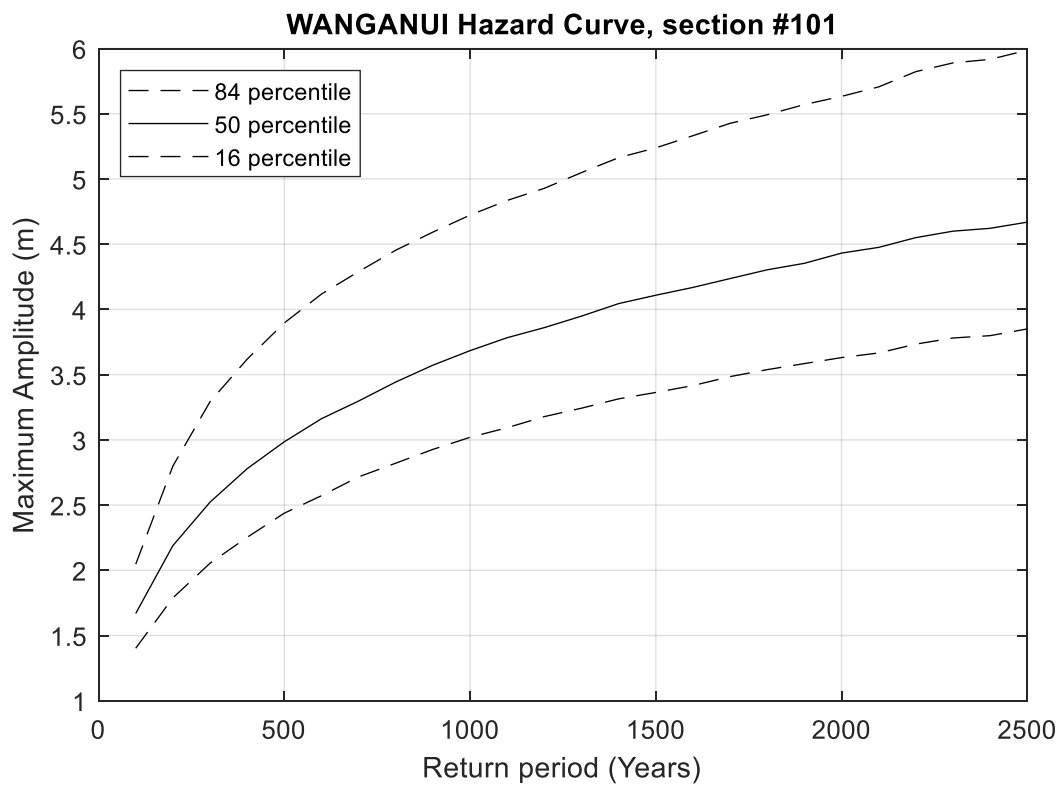
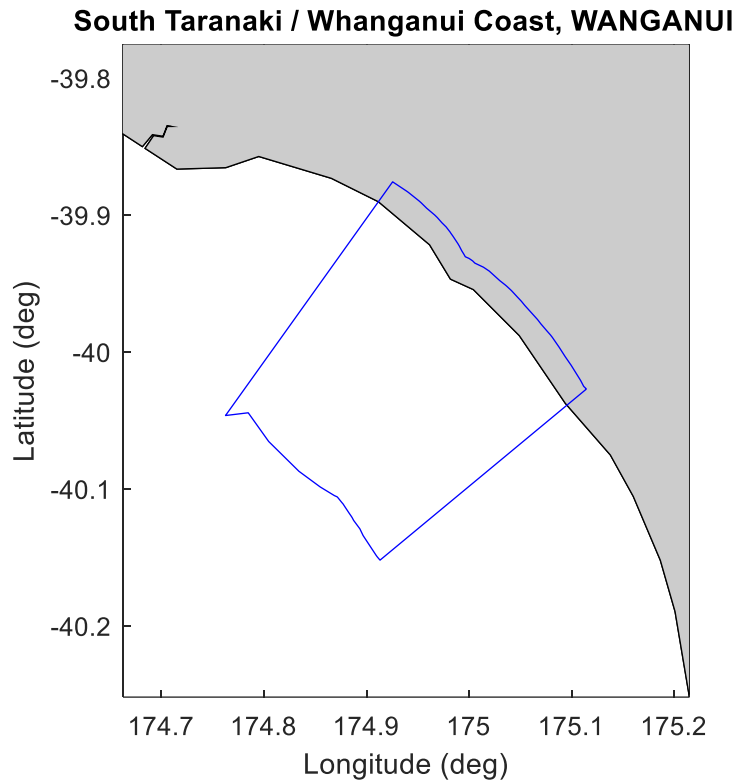
**Deaggregation of Section:100, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.32 m**



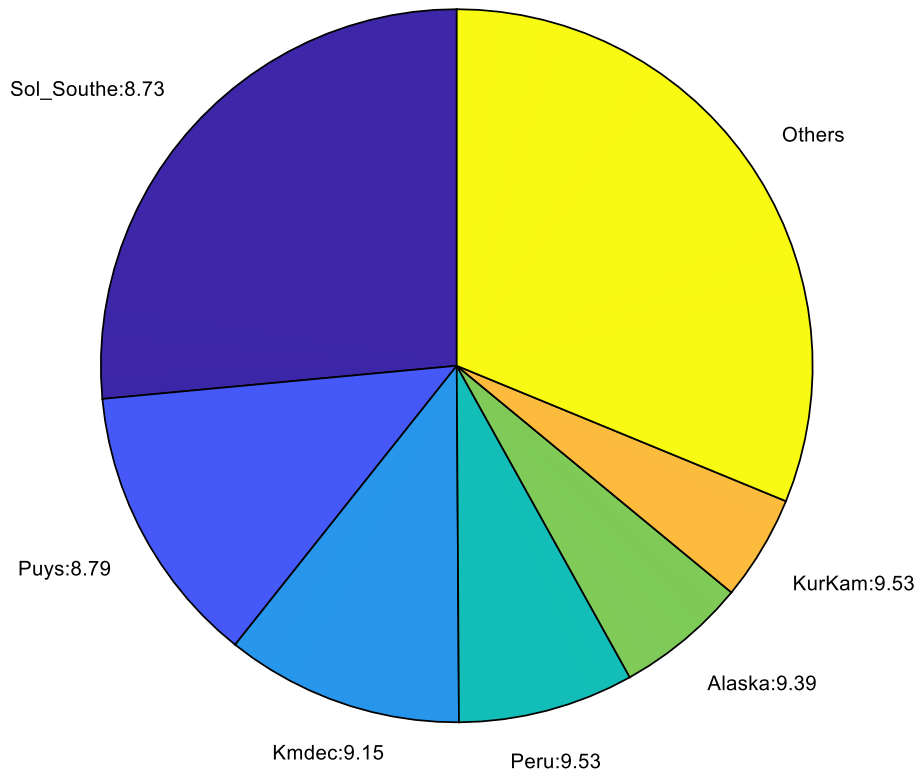
**Deaggregation of Section:100, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.59 m**



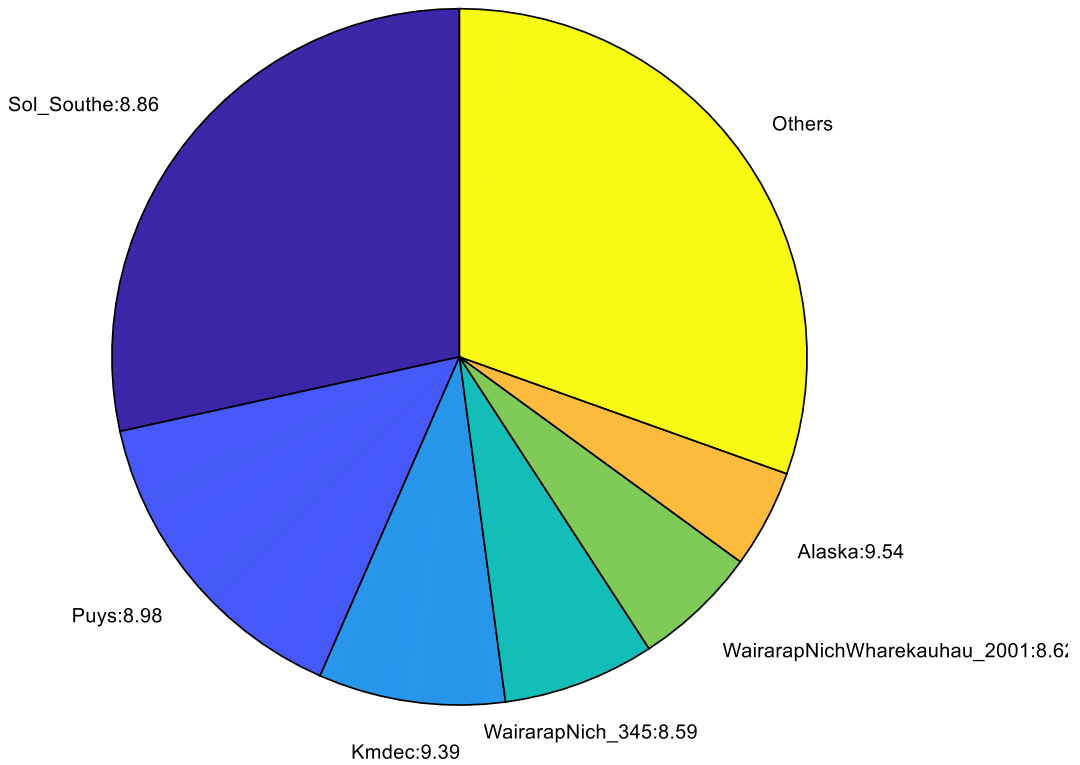
### A1.101 Coastal Section 101: Wanganui



Deaggregation of Section:101, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.98 m

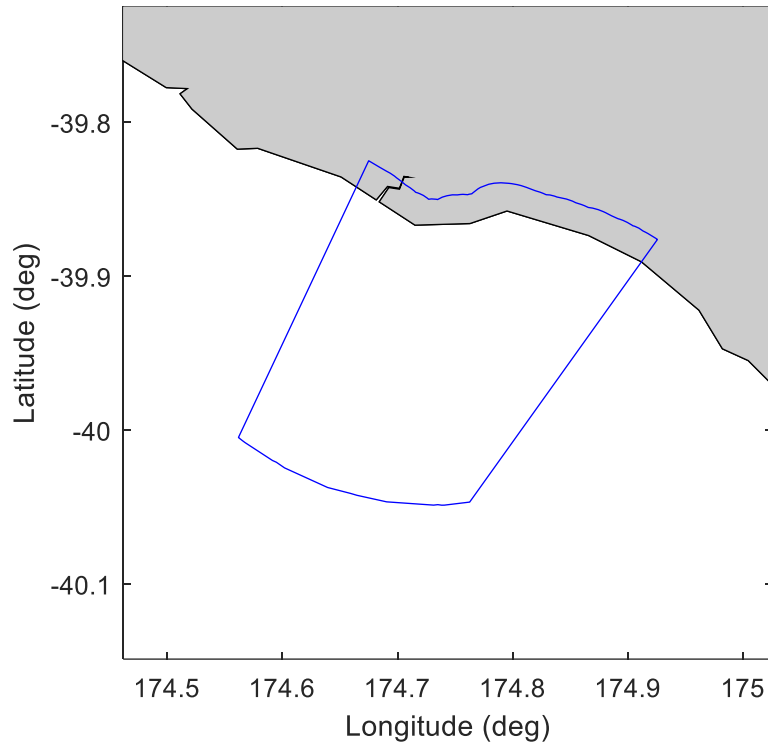


Deaggregation of Section:101, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.67 m

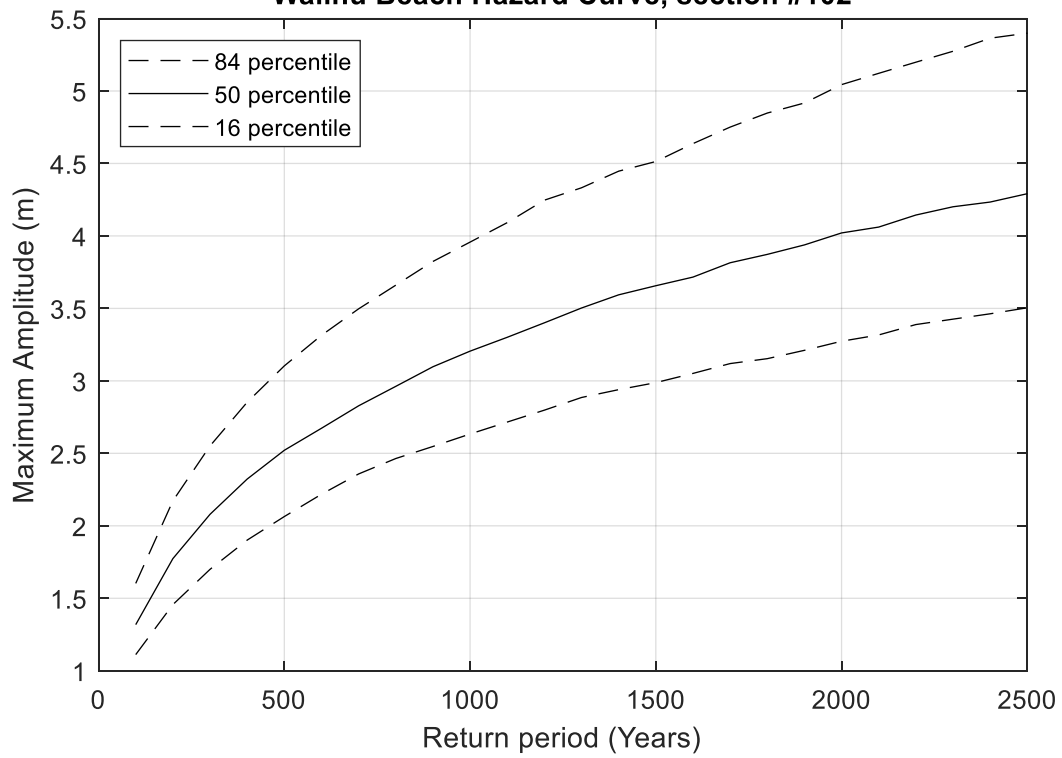


## A1.102 Coastal Section 102: Waiinu Beach

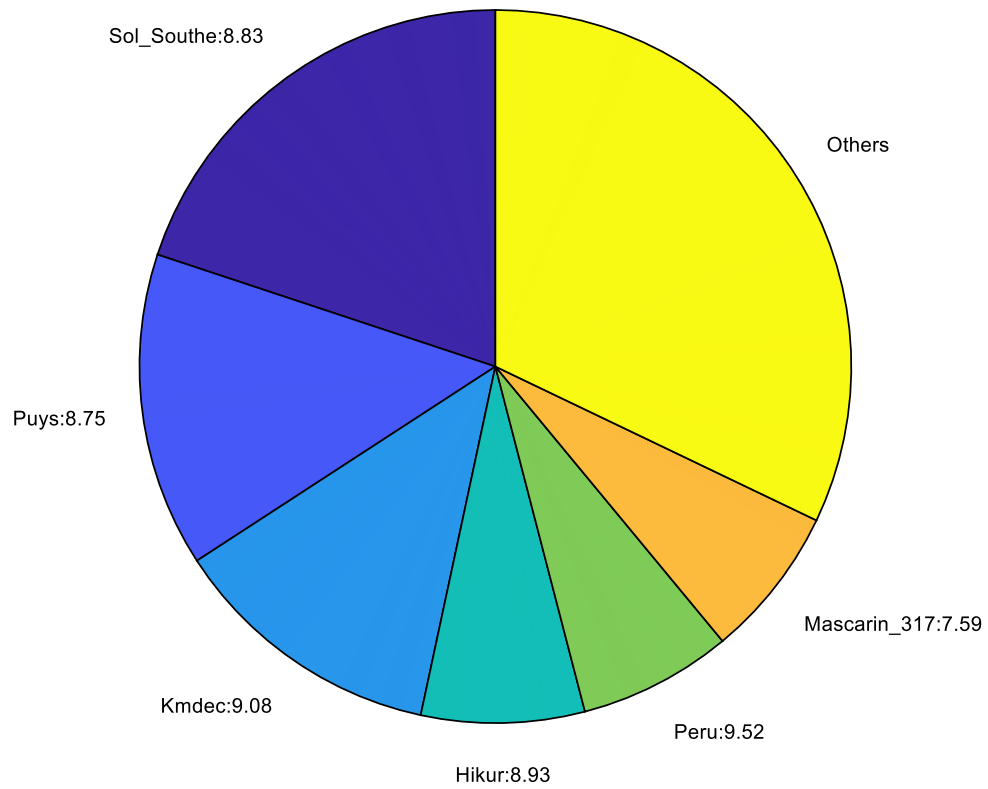
### South Taranaki / Whanganui Coast, Waiinu Beach



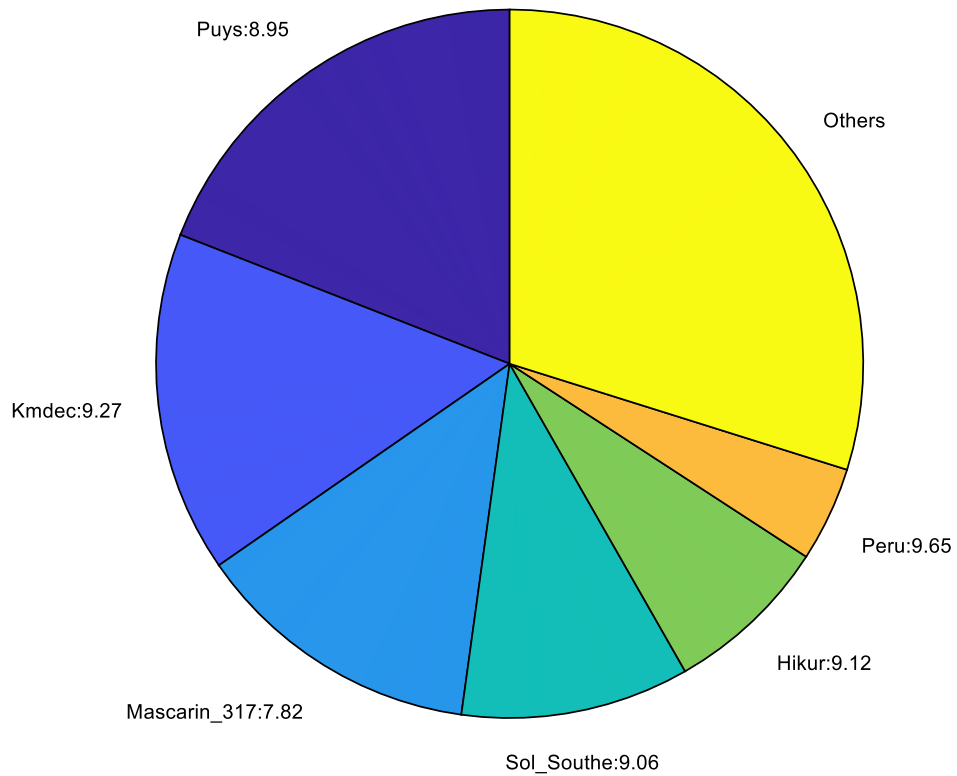
### Waiinu Beach Hazard Curve, section #102



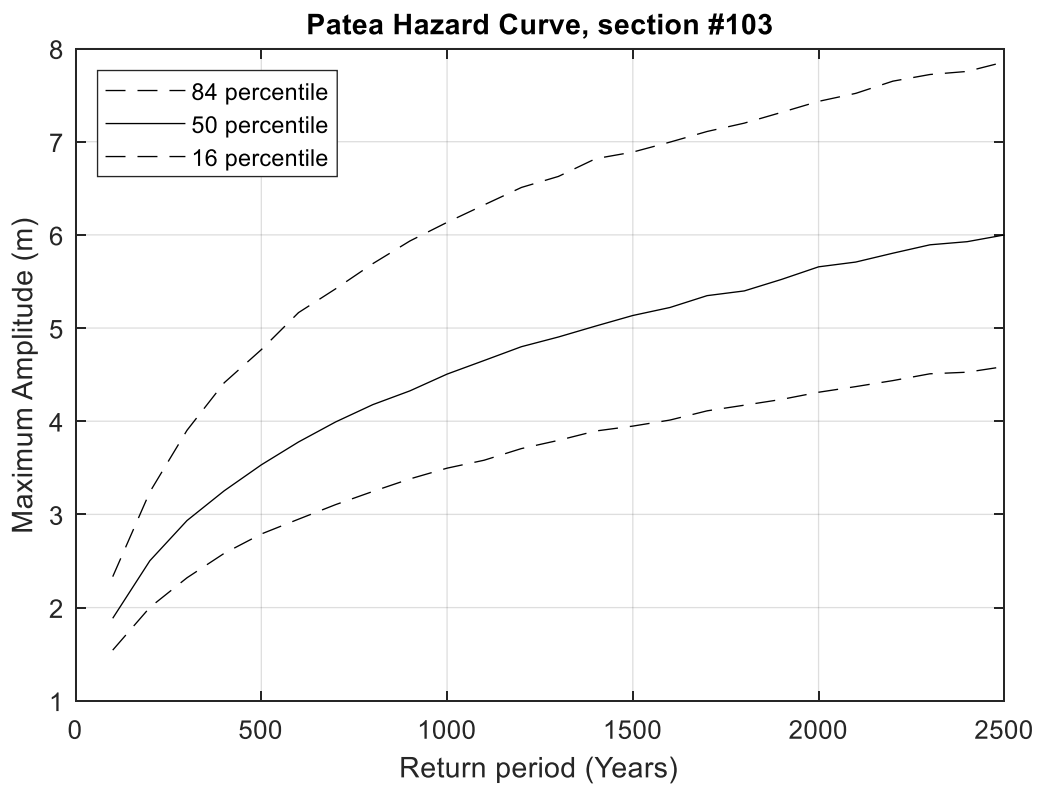
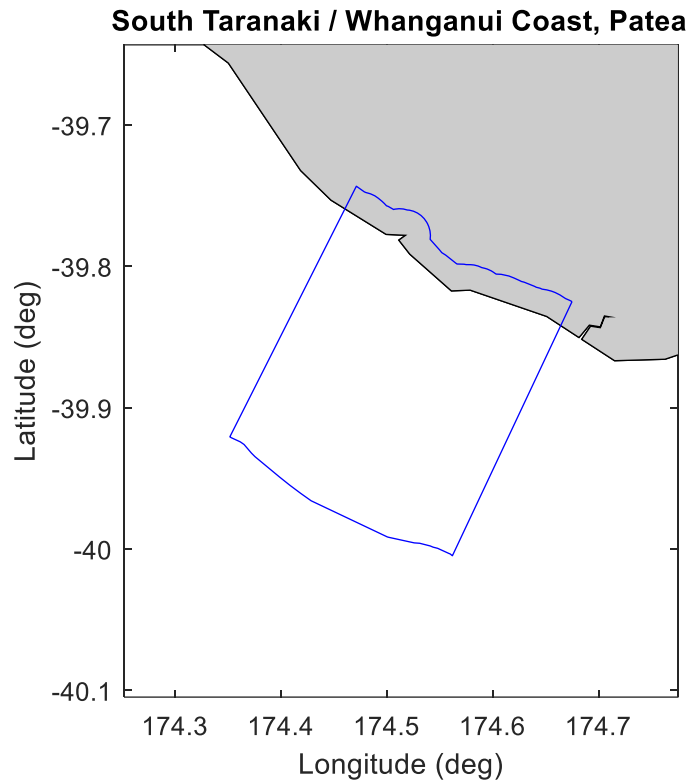
Deaggregation of Section:102, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.52 m



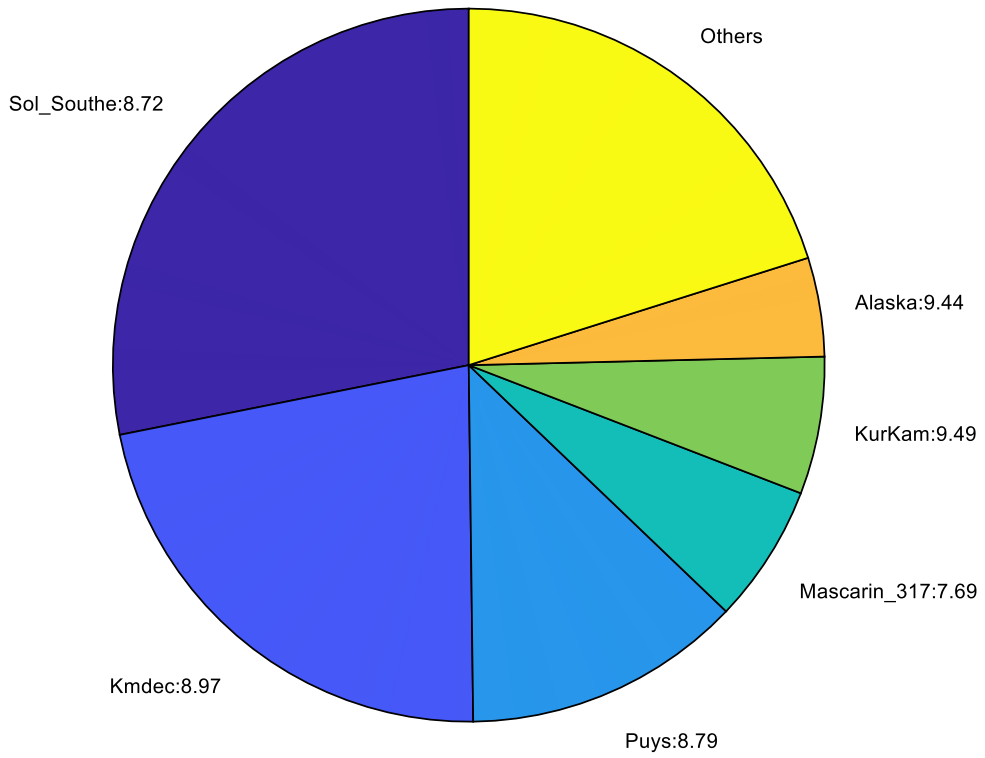
Deaggregation of Section:102, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.29 m



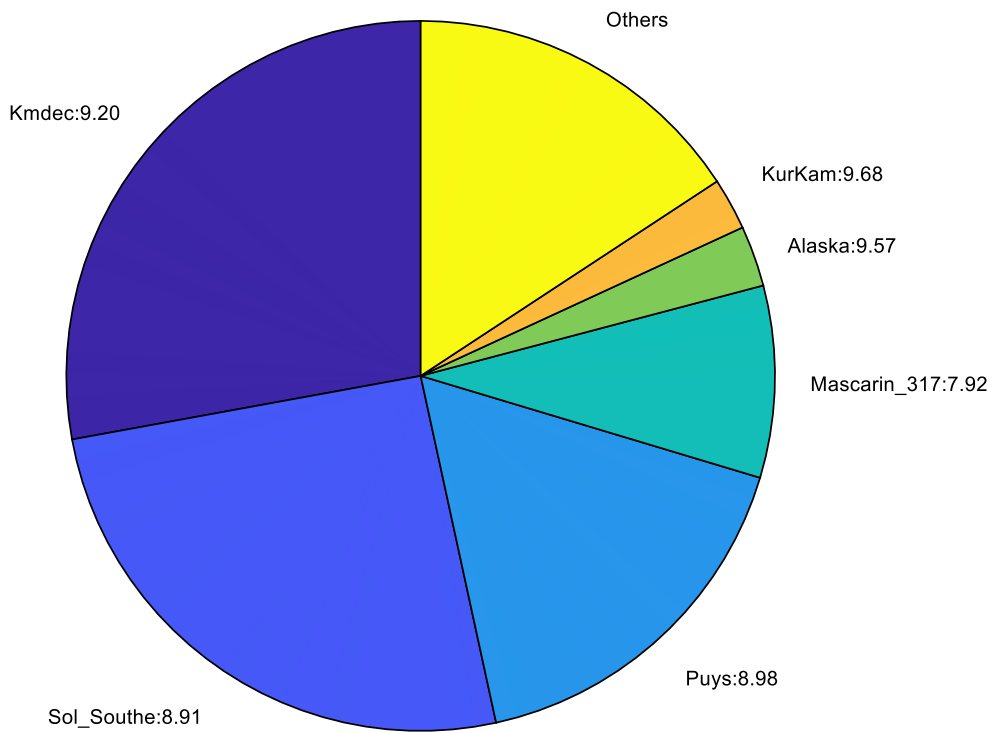
### A1.103 Coastal Section 103: Patea



Deaggregation of Section:103, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.52 m

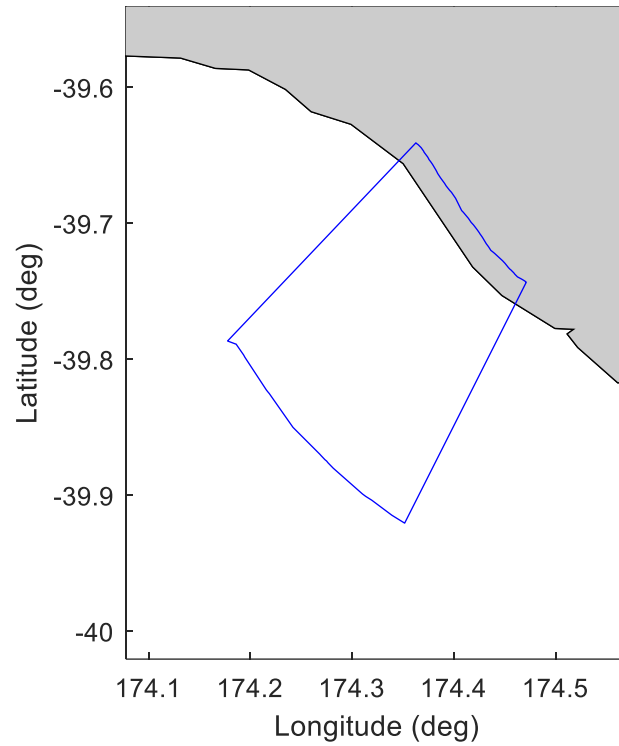


Deaggregation of Section:103, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.00 m

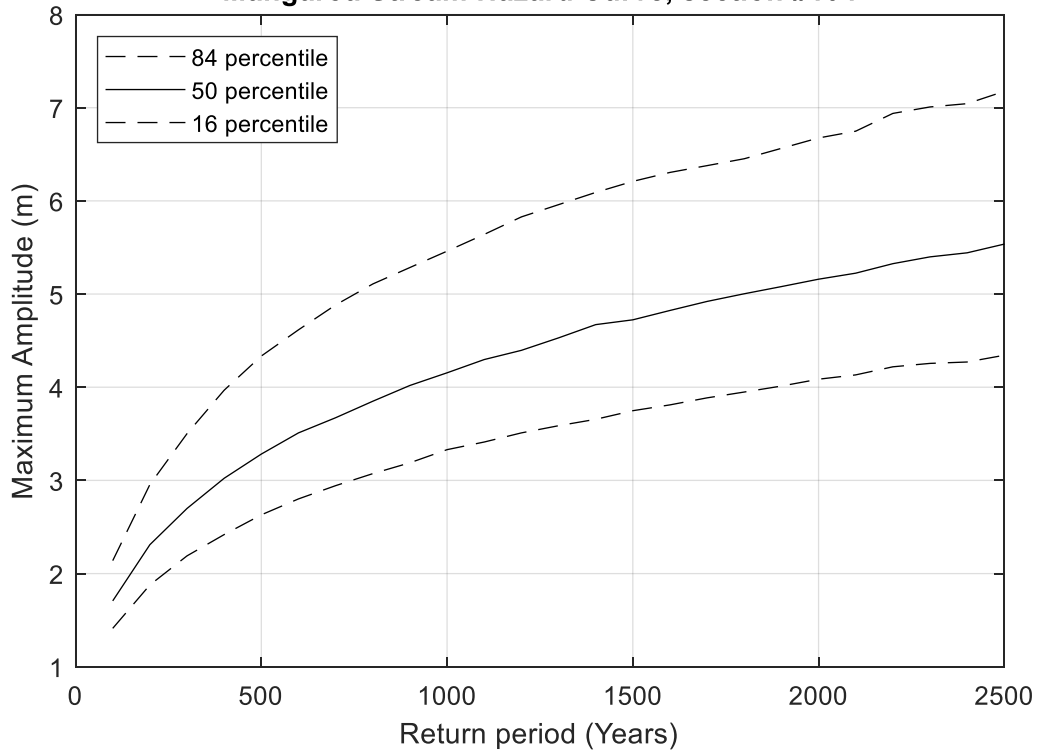


## A1.104 Coastal Section 104: Mangaroa Stream

### South Taranaki / Whanganui Coast, Mangaroa Stream

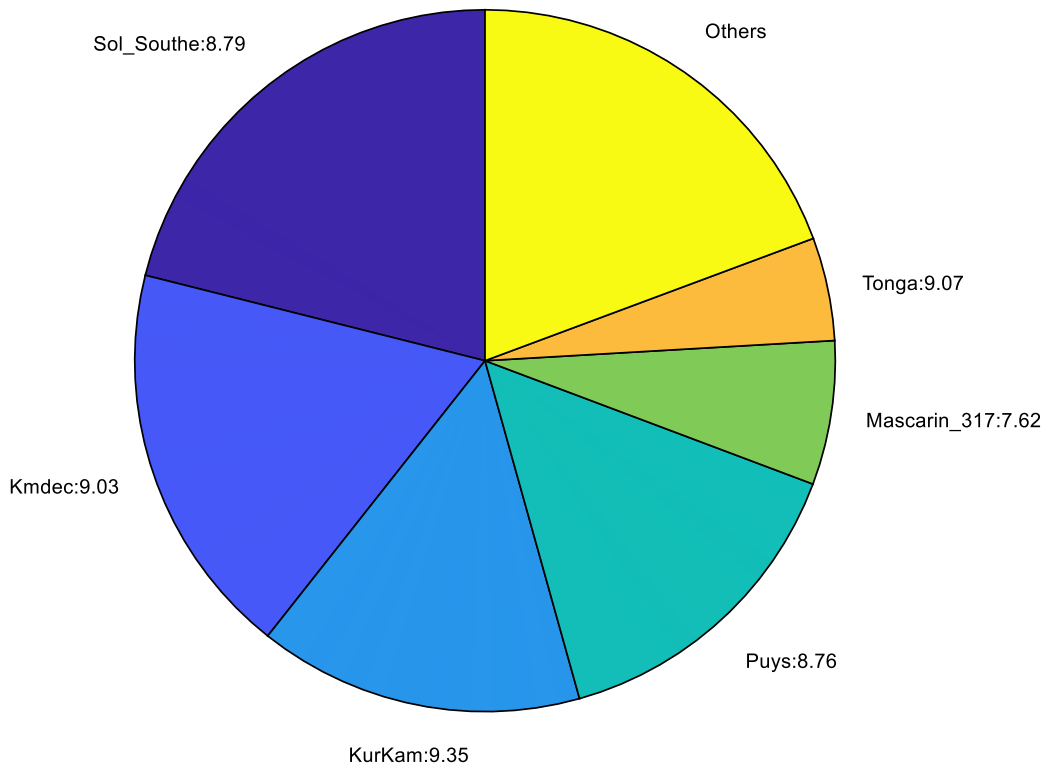


### Mangaroa Stream Hazard Curve, section #104

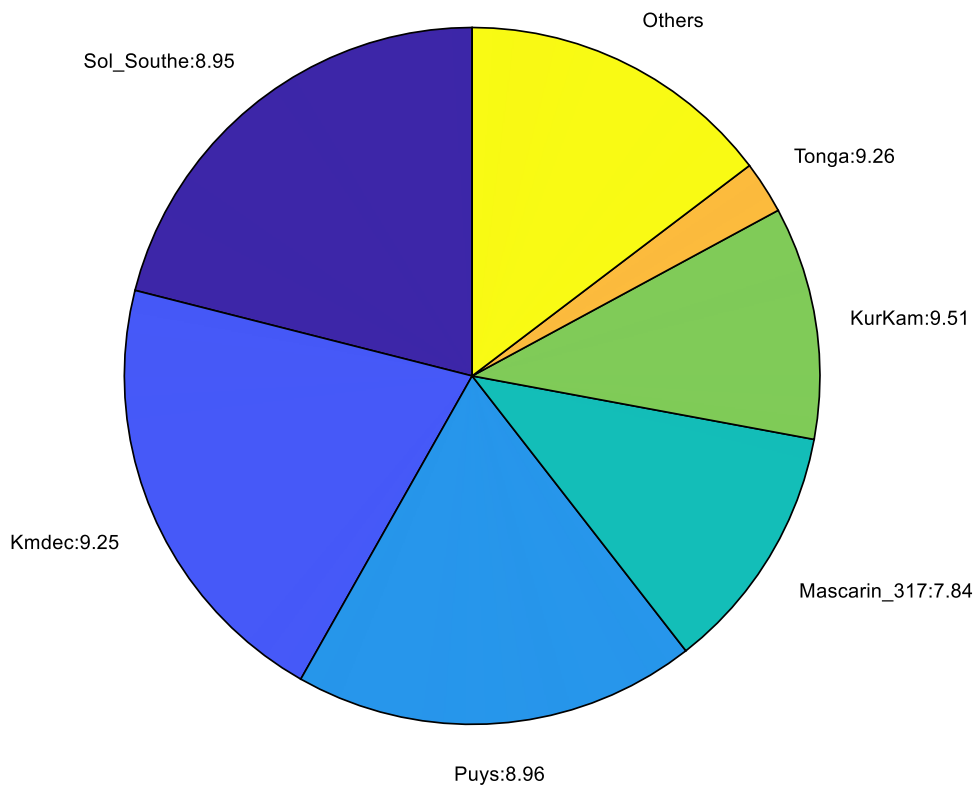




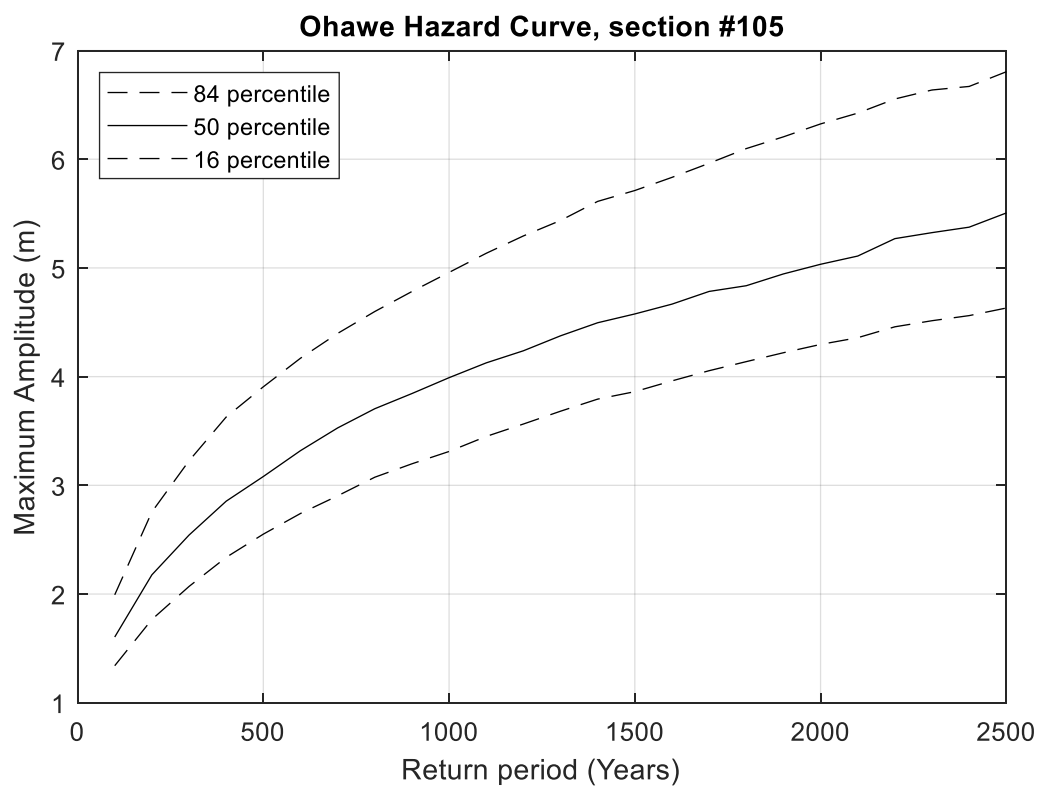
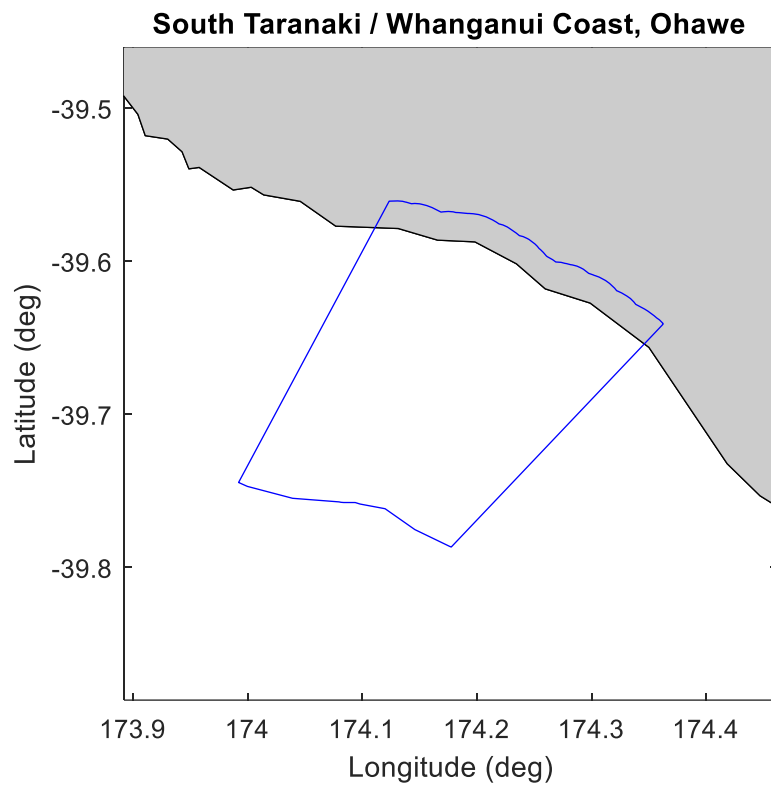
Deaggregation of Section:104, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.28 m



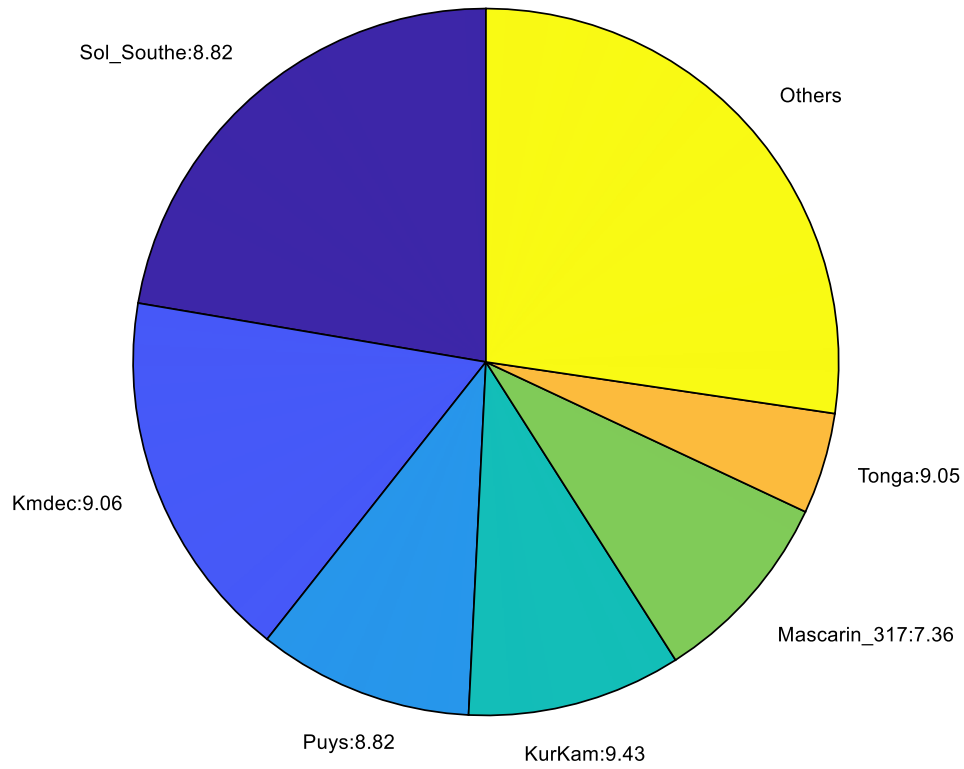
Deaggregation of Section:104, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.54 m



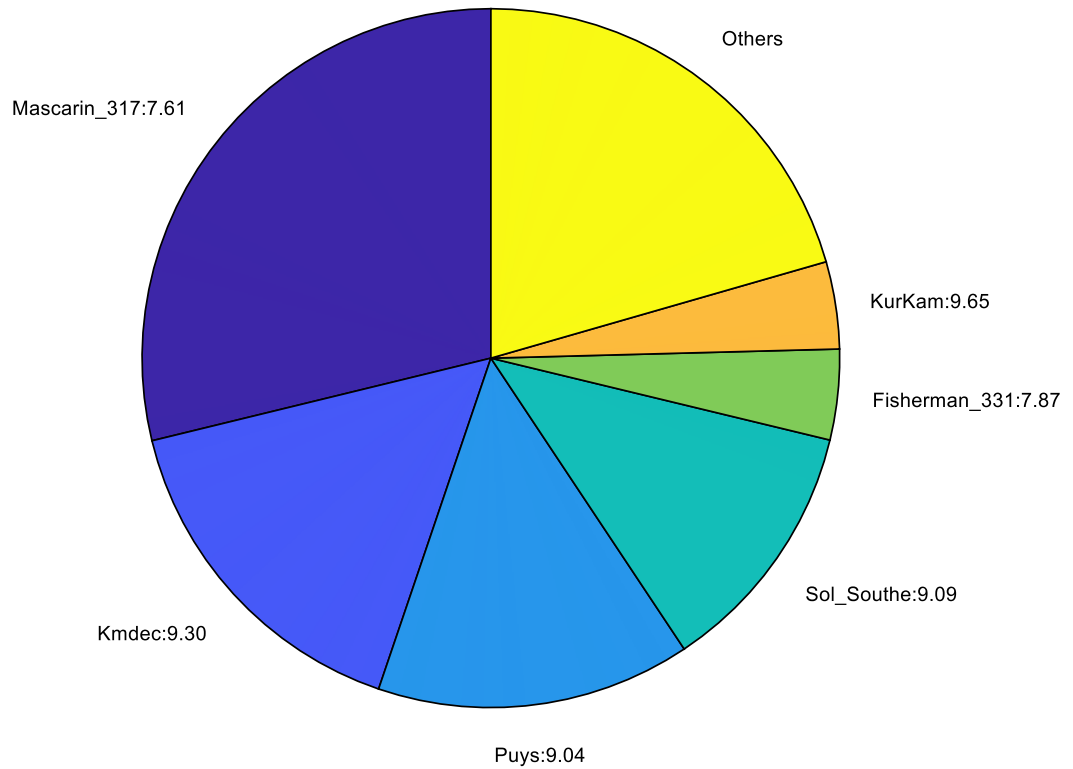
### A1.105 Coastal Section 105: Ohawe



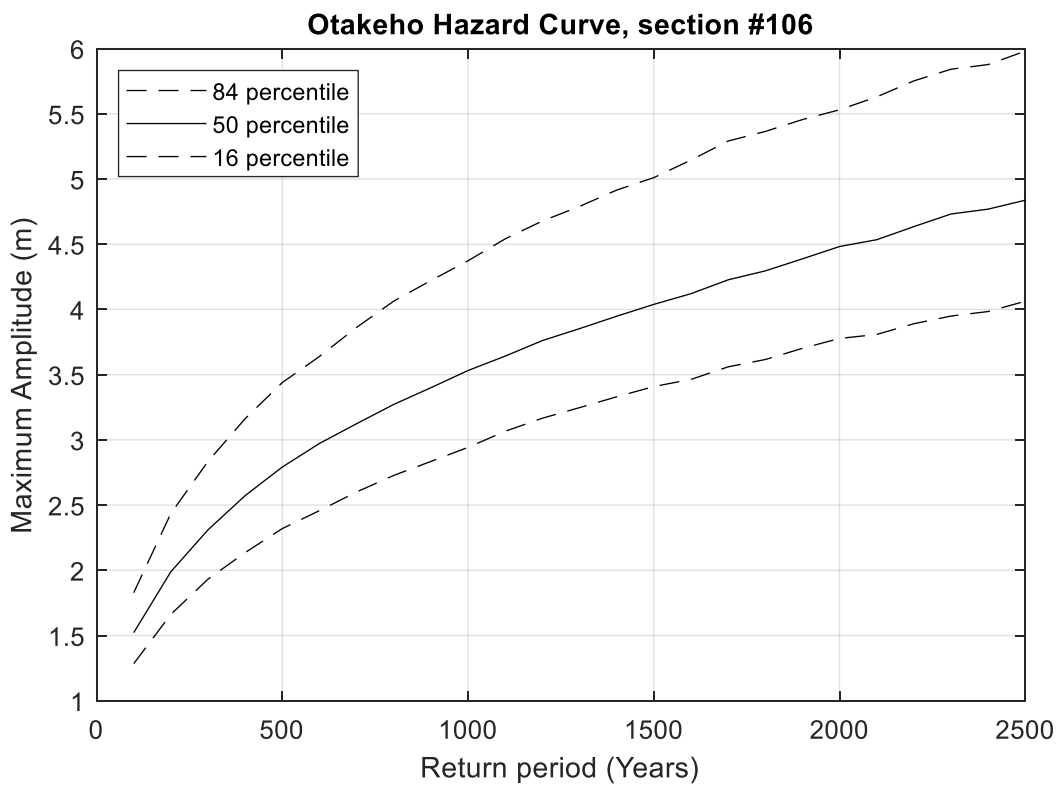
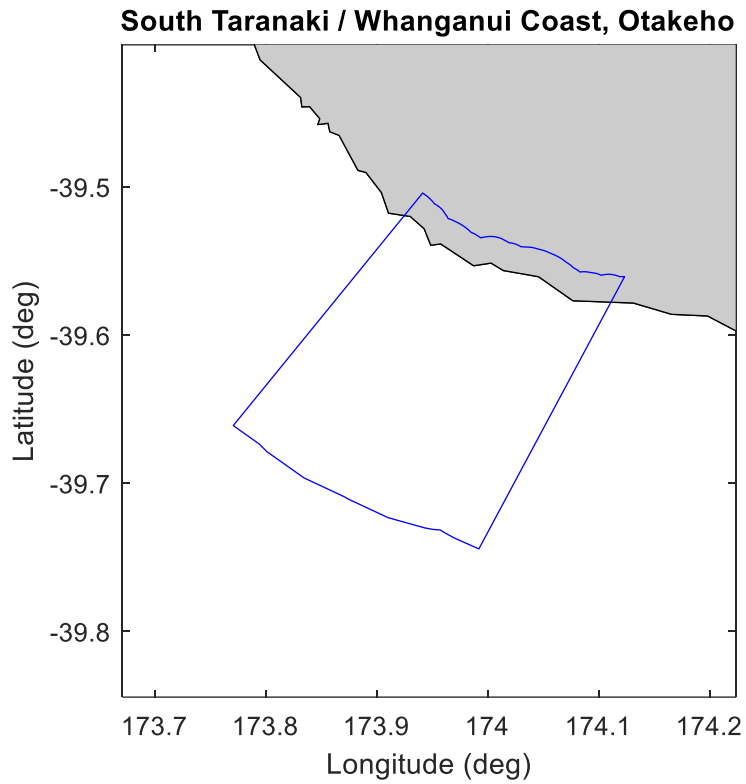
Deaggregation of Section:105, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.08 m



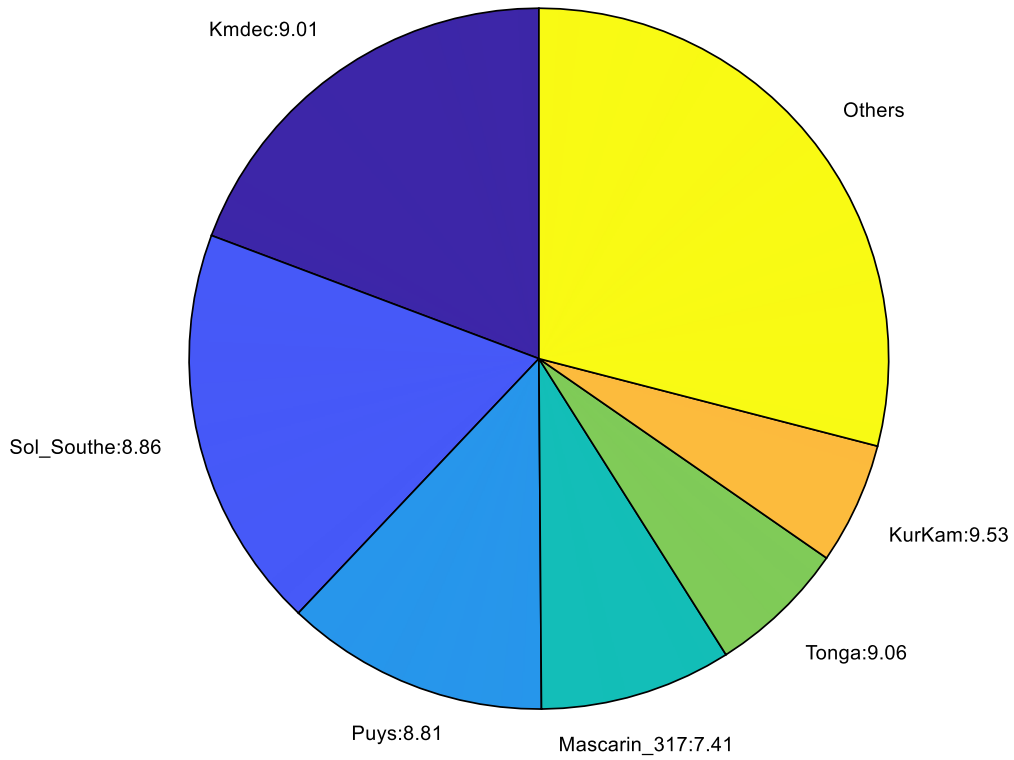
Deaggregation of Section:105, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.51 m



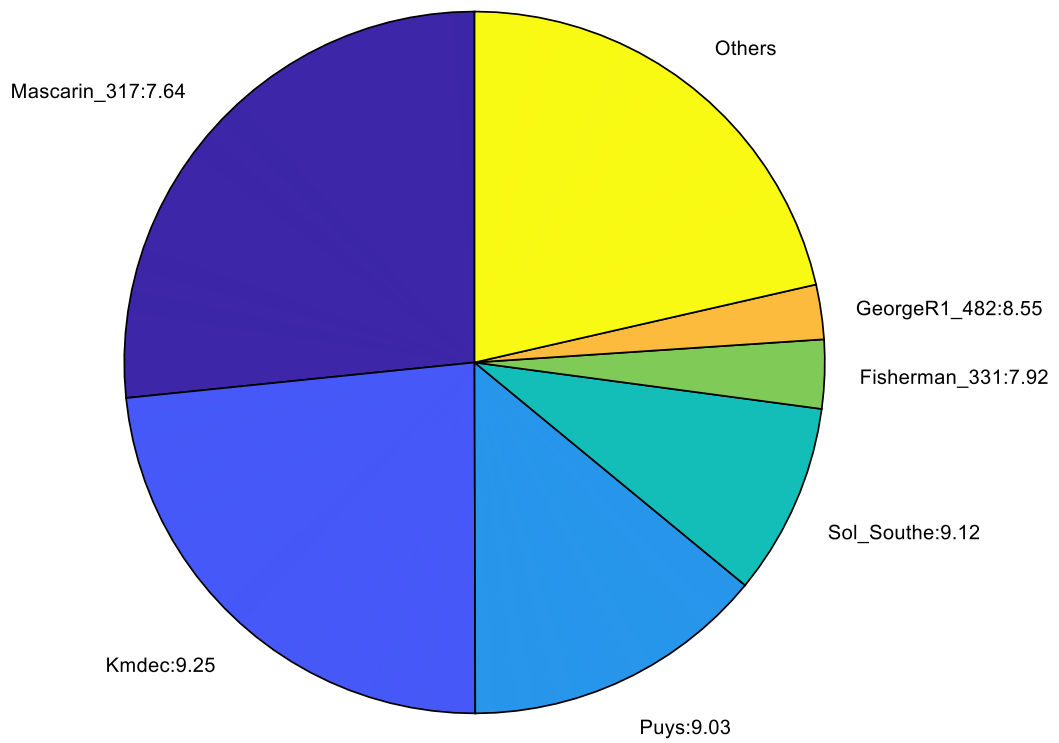
**A1.106 Coastal Section 106: Otakeho**



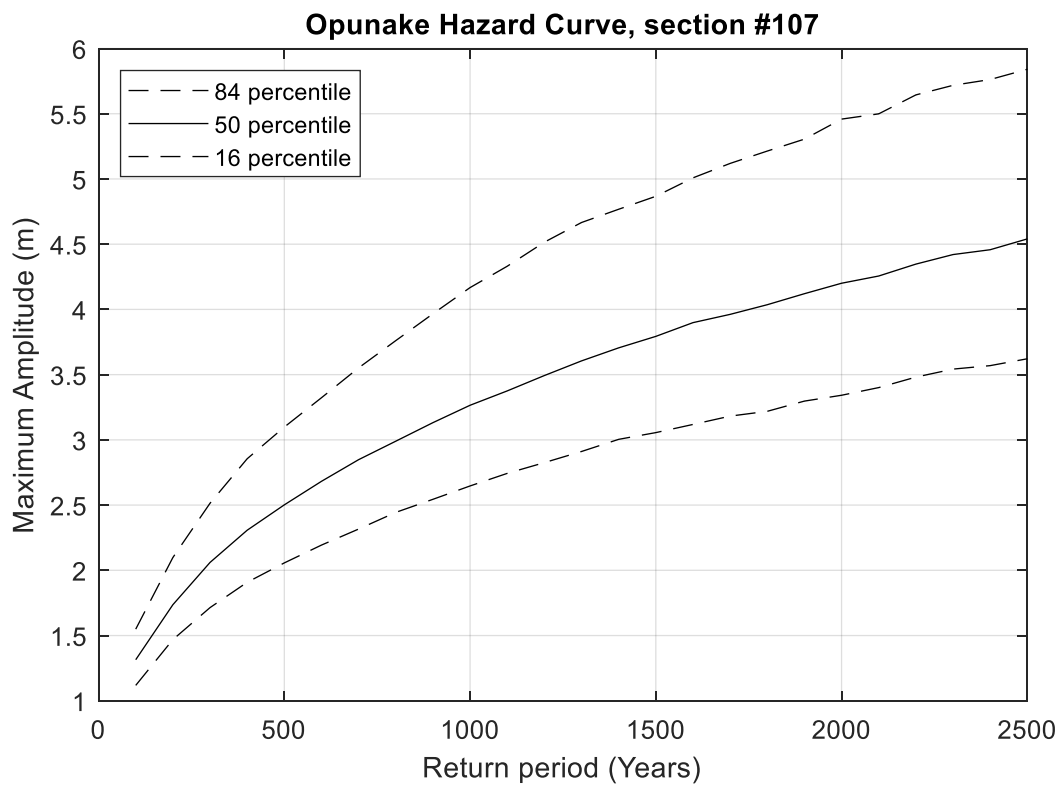
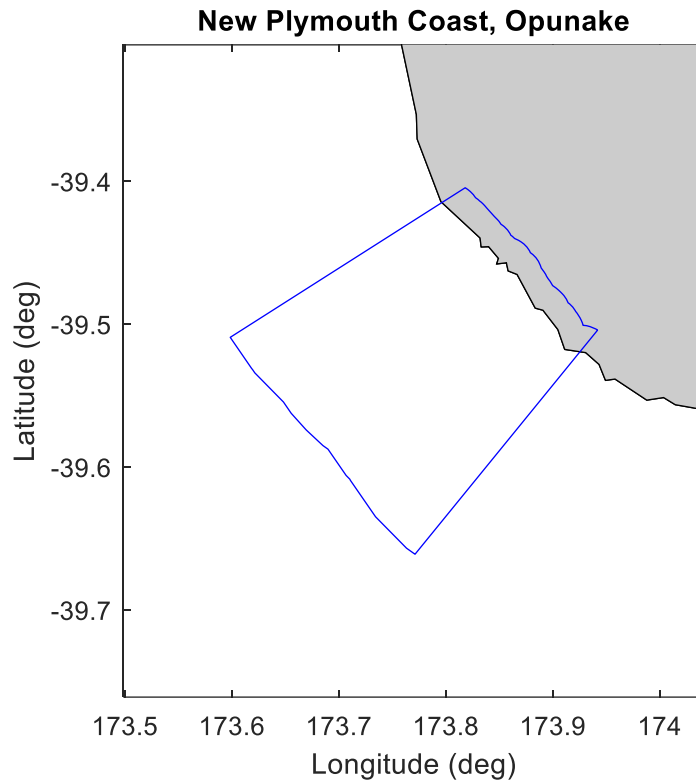
Deaggregation of Section:106, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.79 m



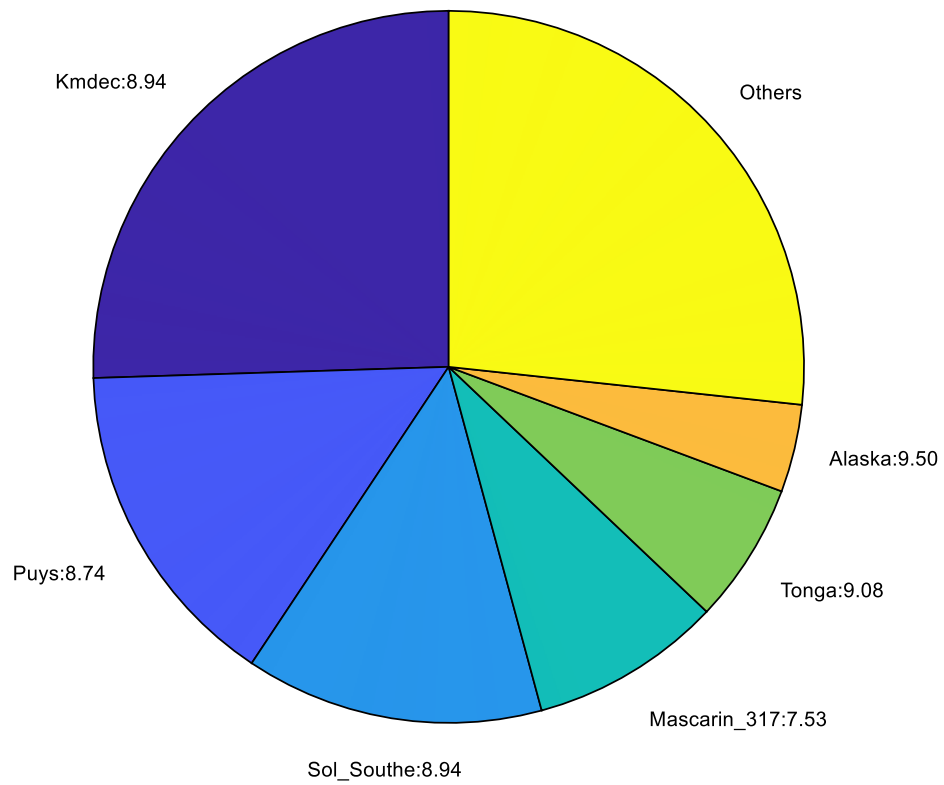
Deaggregation of Section:106, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.84 m



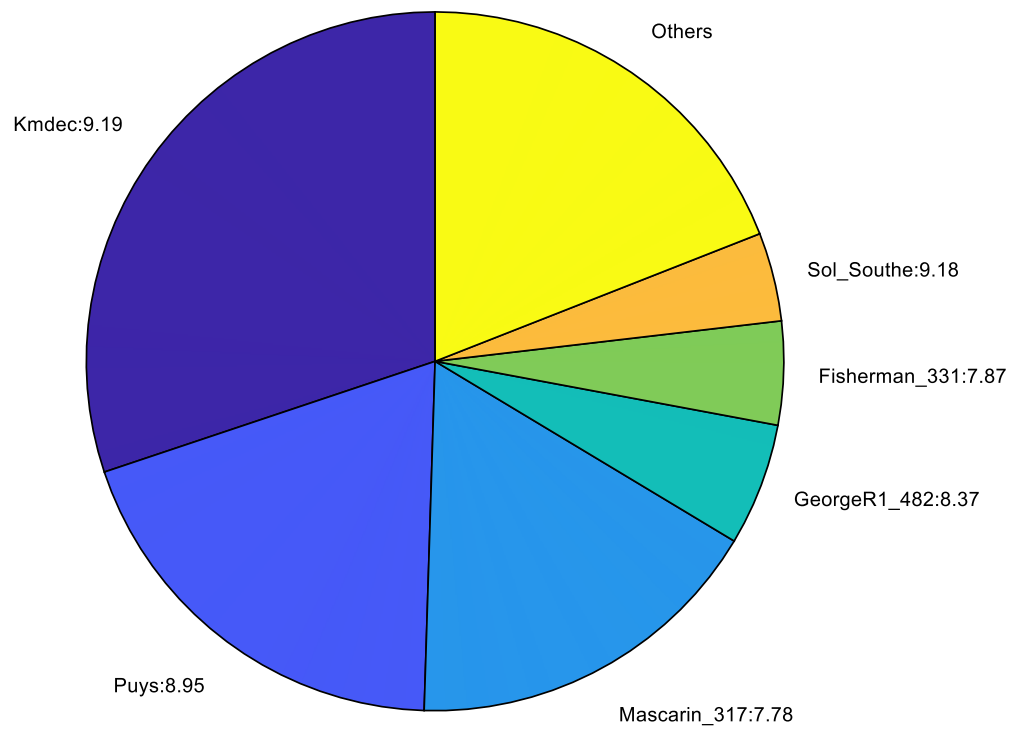
### A1.107 Coastal Section 107: Opunake



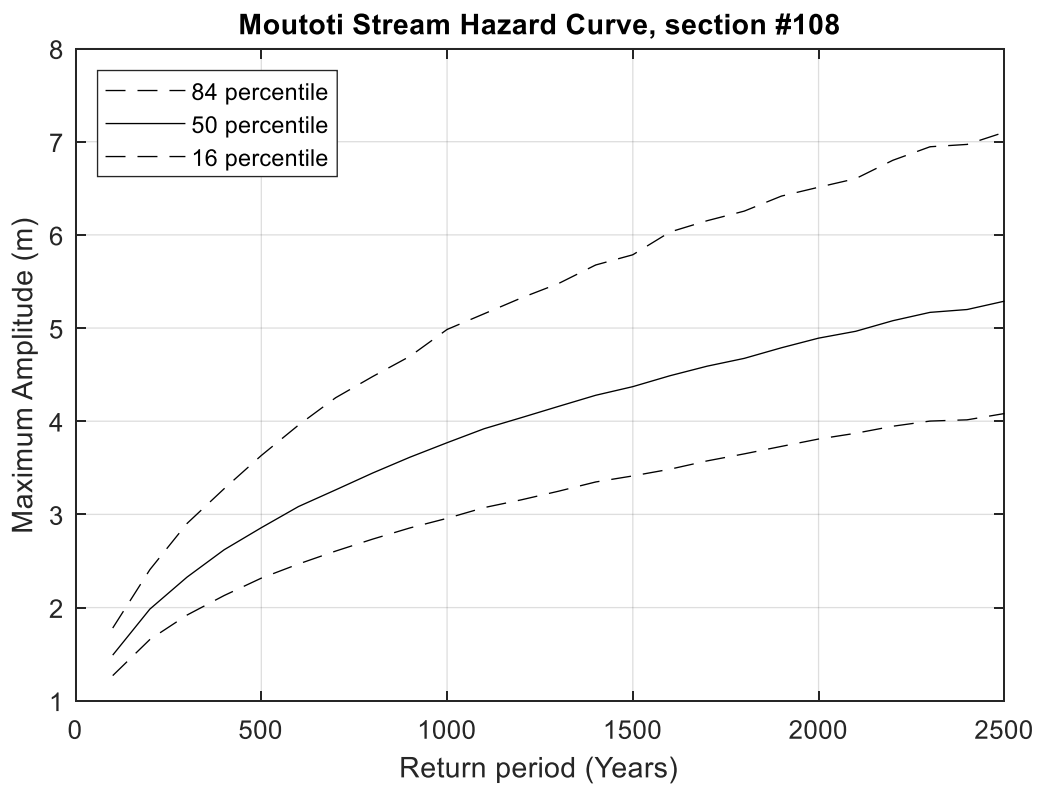
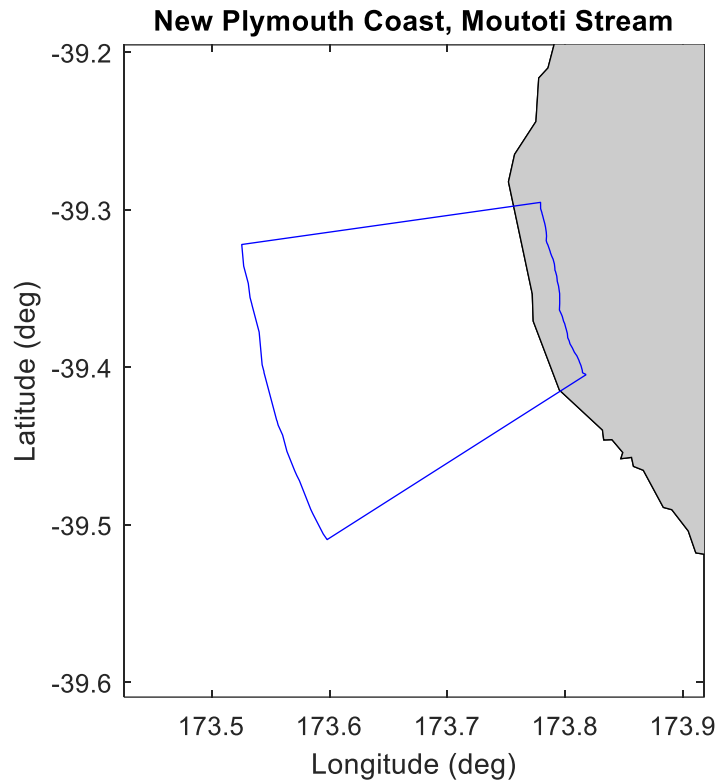
Deaggregation of Section:107, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.50 m



Deaggregation of Section:107, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.54 m

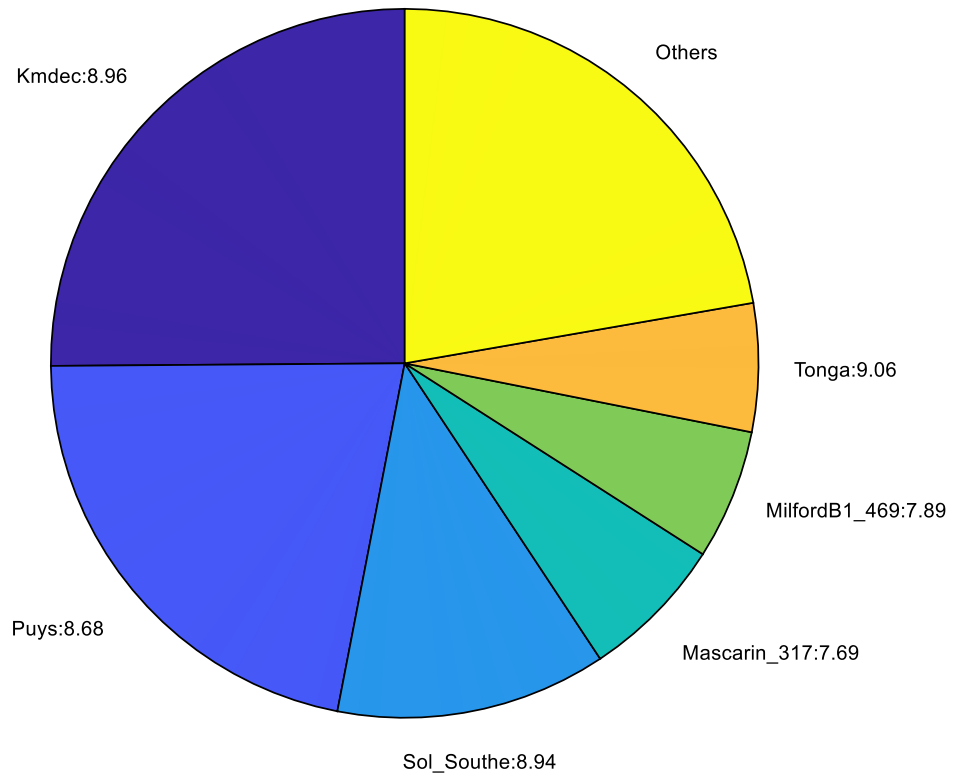


## A1.108 Coastal Section 108: Moutoti Stream

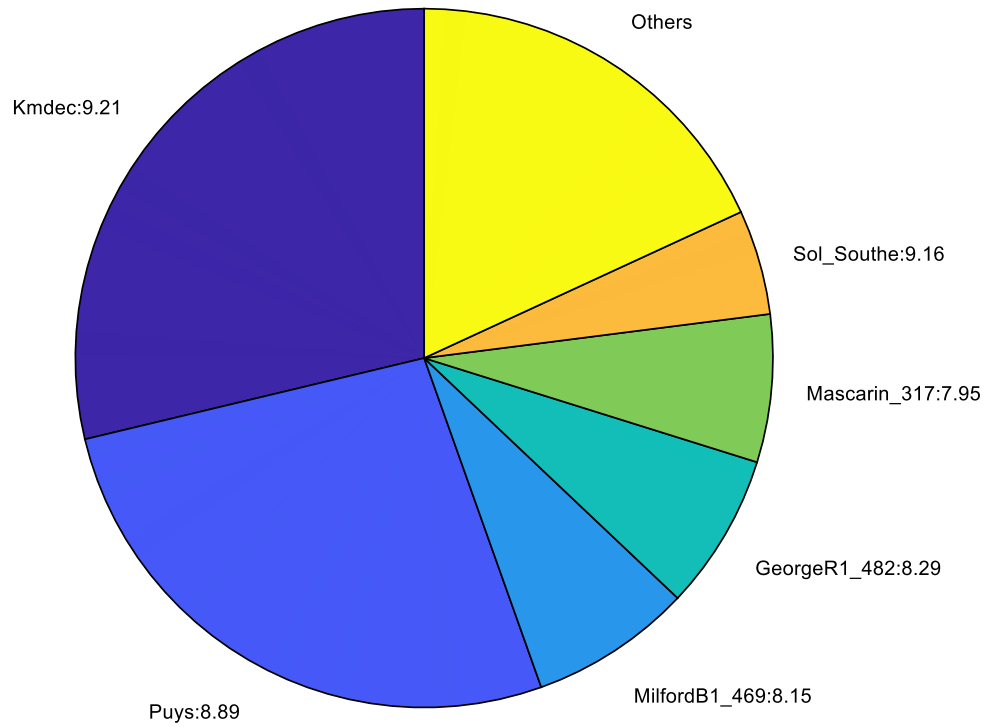




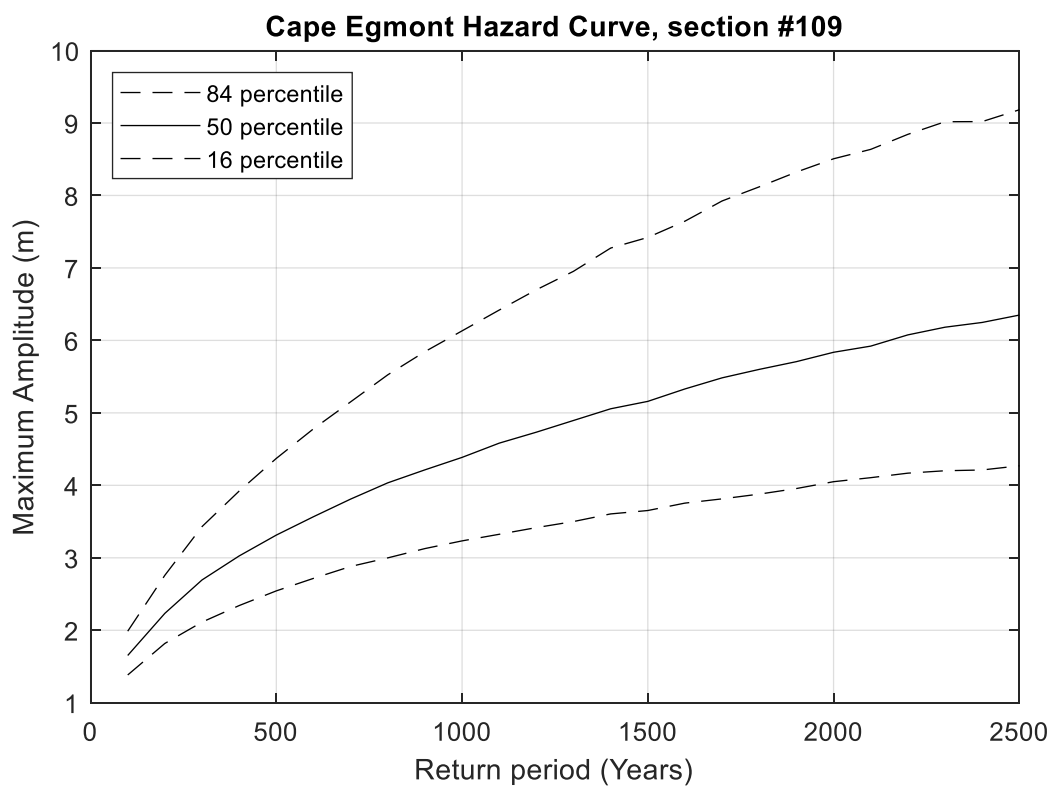
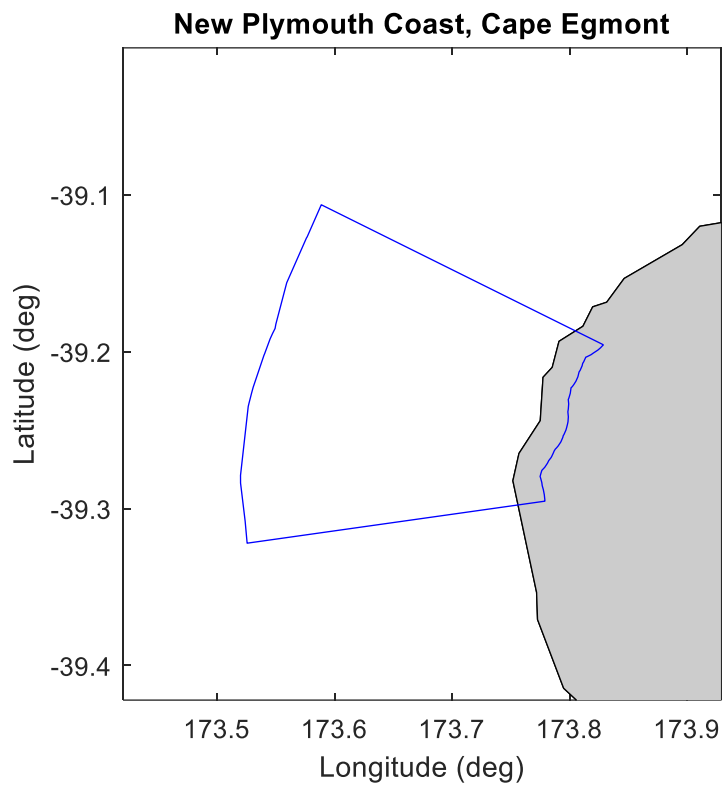
Deaggregation of Section:108, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.86 m



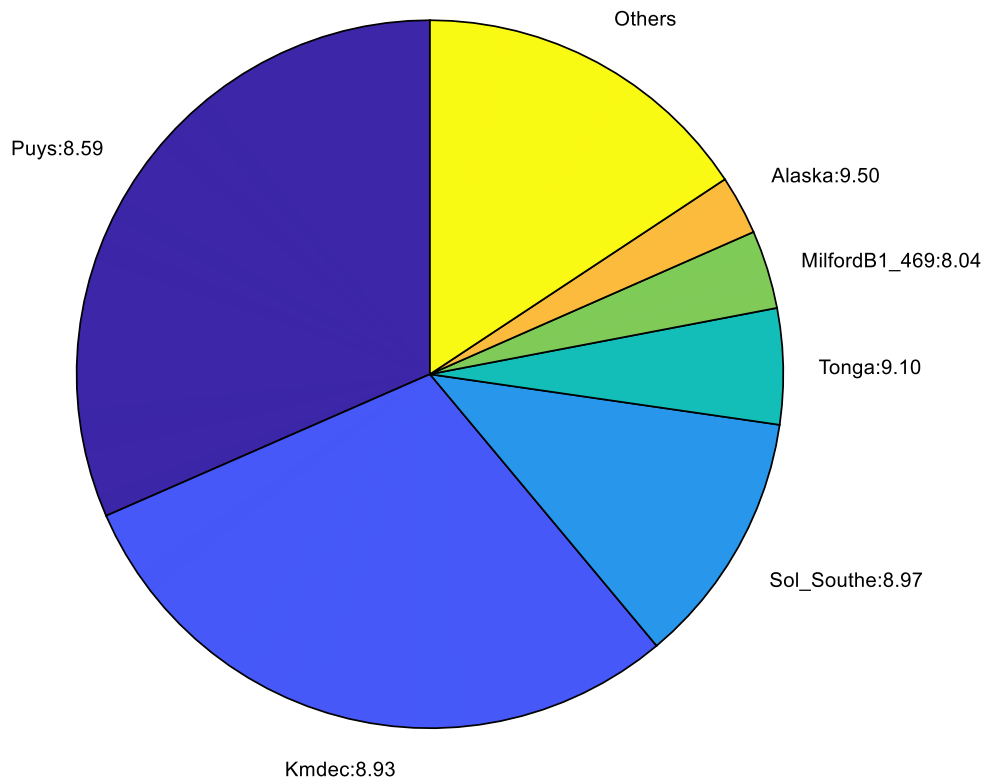
Deaggregation of Section:108, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.29 m



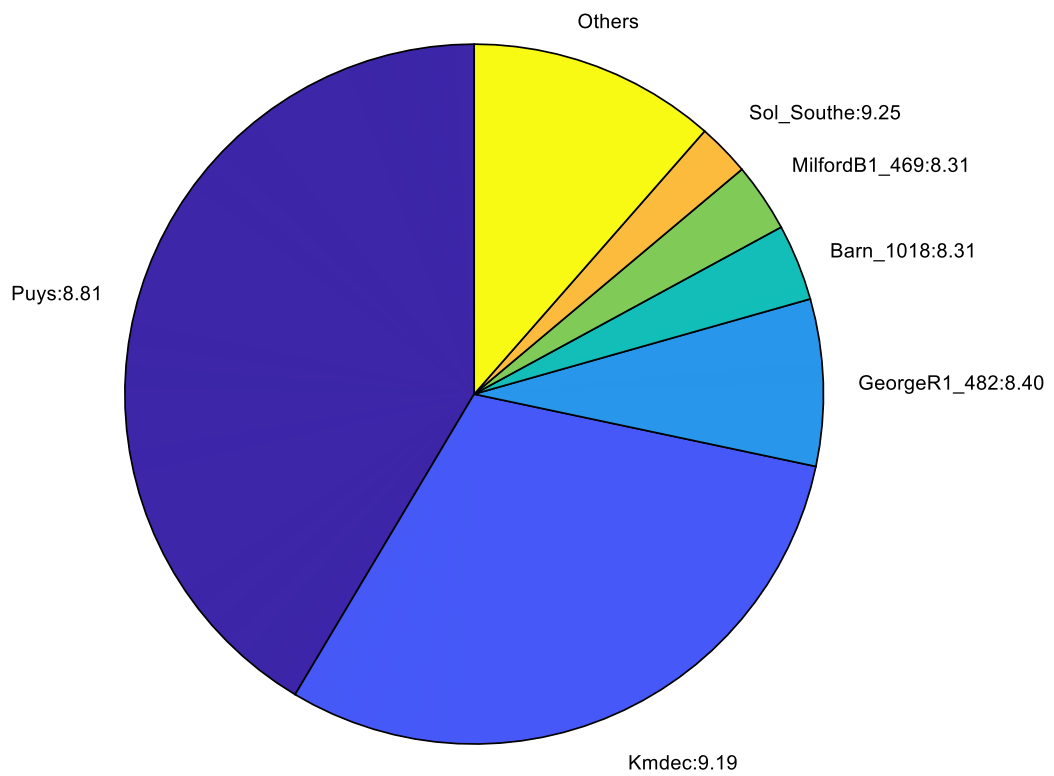
## A1.109 Coastal Section 109: Cape Egmont



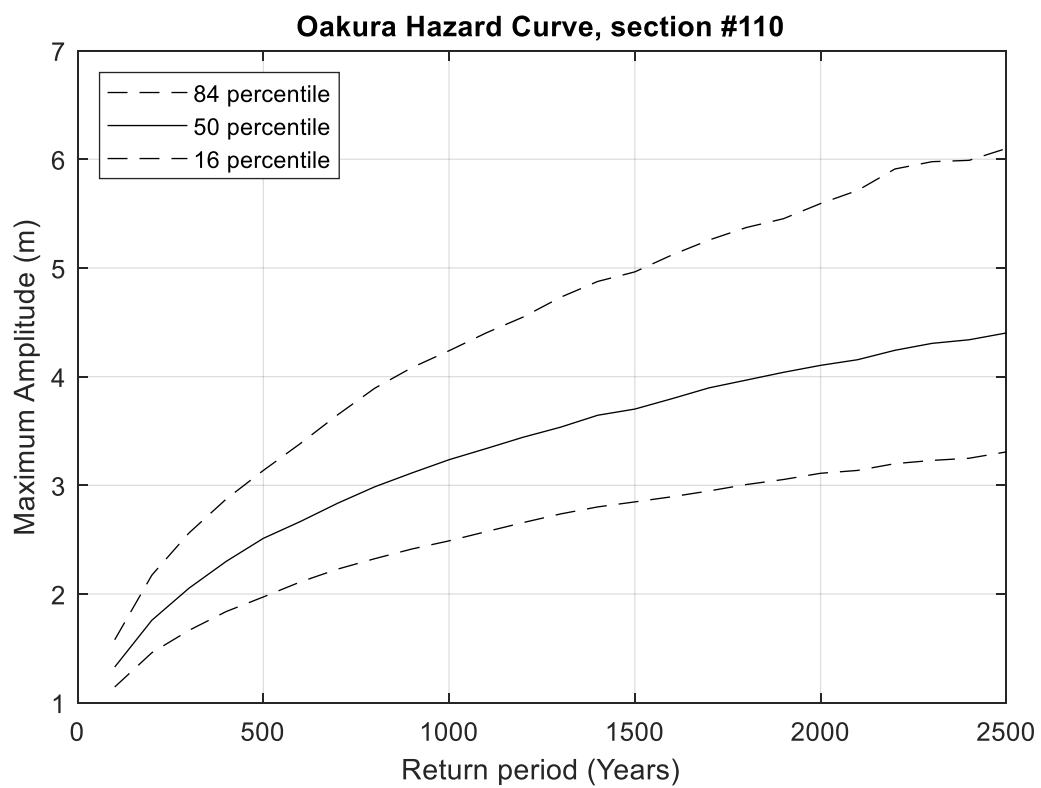
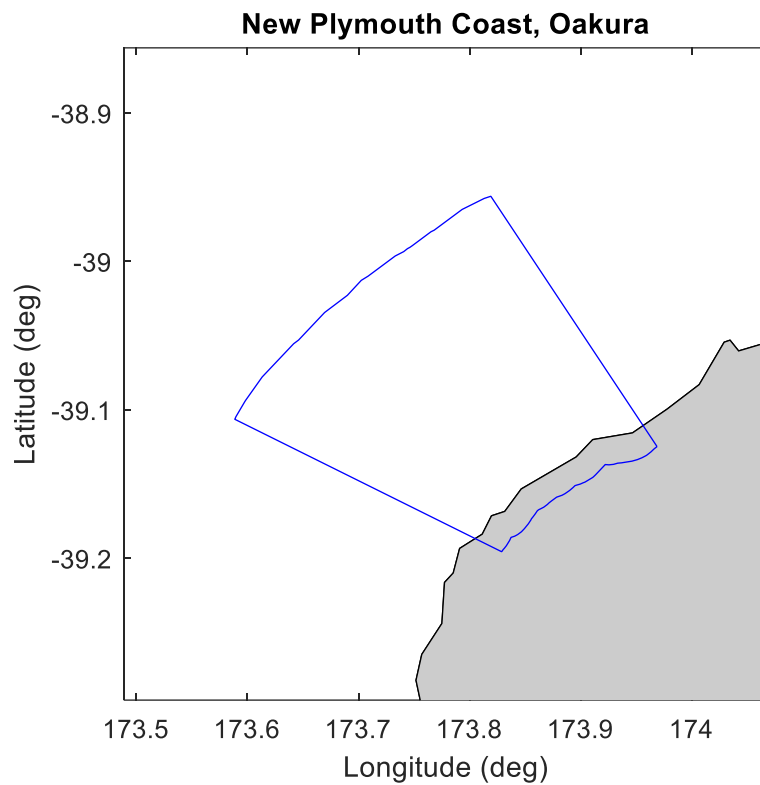
Deaggregation of Section:109, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.31 m



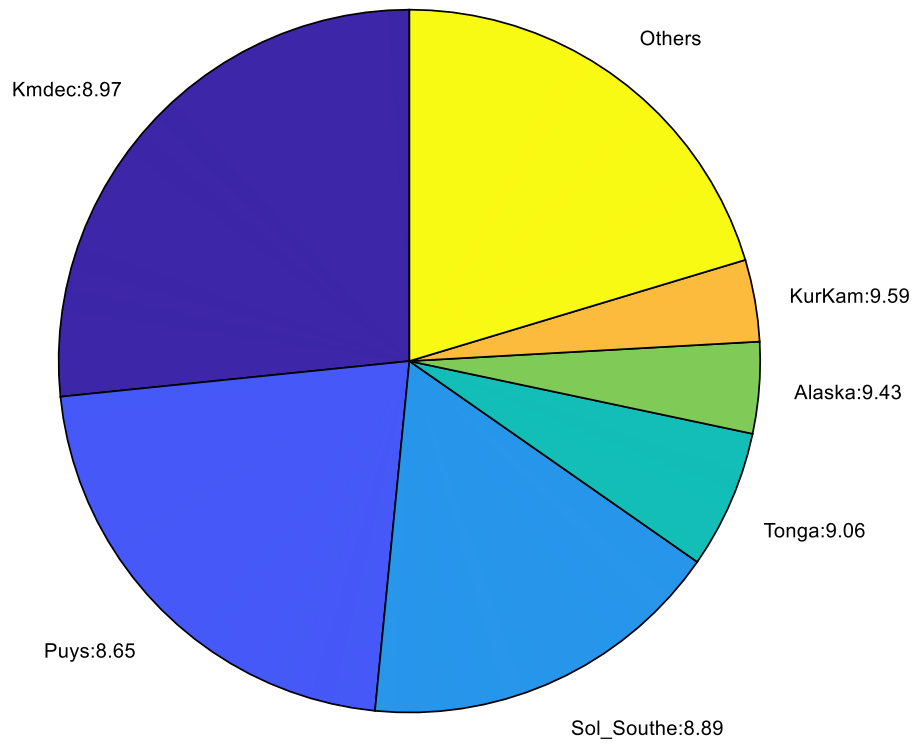
Deaggregation of Section:109, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.35 m



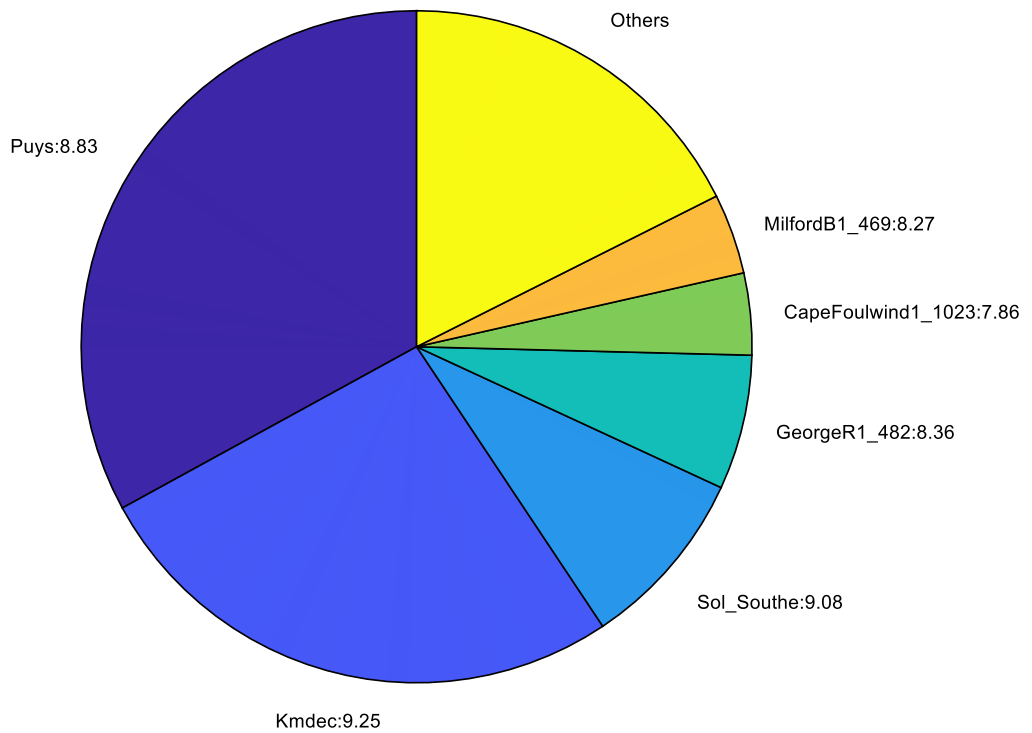
## A1.110 Coastal Section 110: Oakura



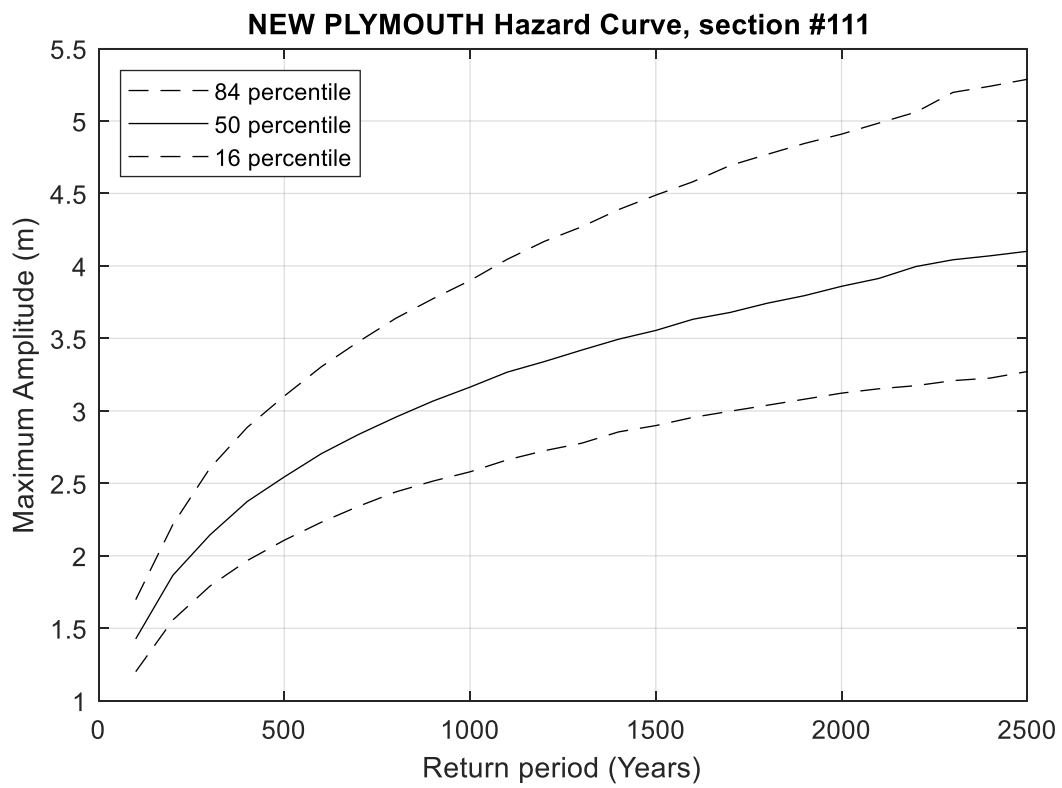
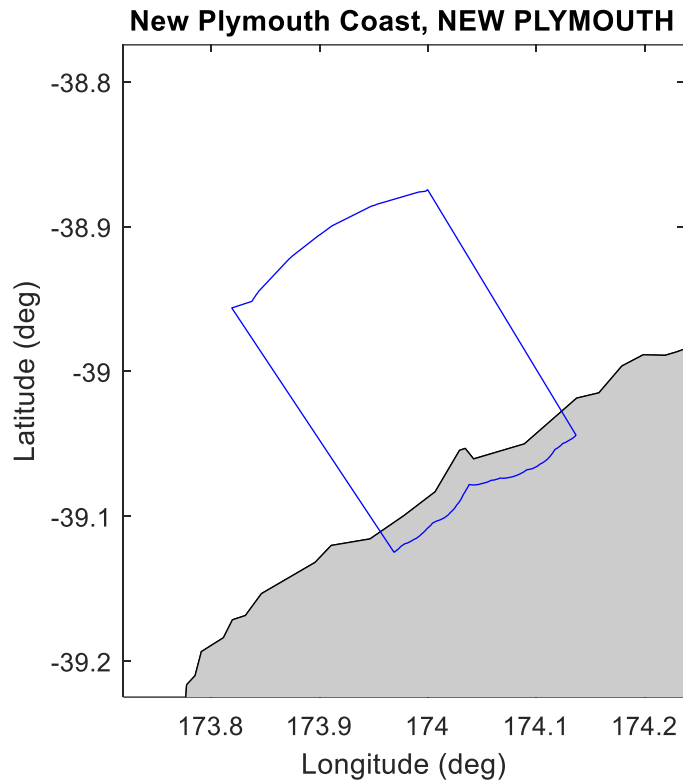
Deaggregation of Section:110, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.51 m



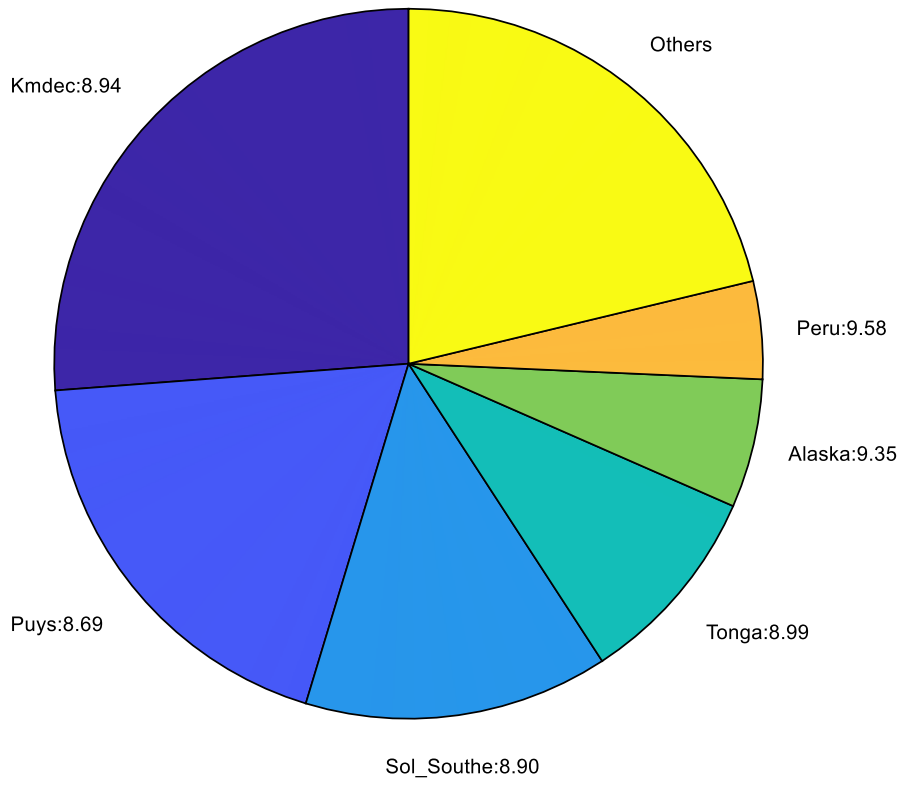
Deaggregation of Section:110, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.40 m



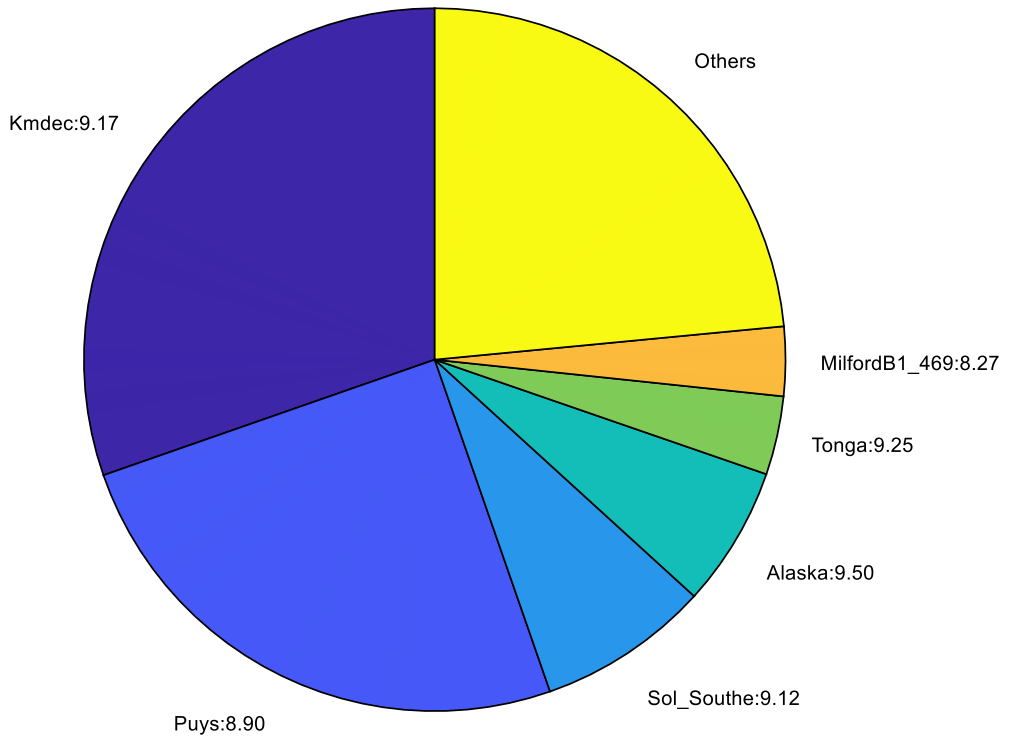
### A1.111 Coastal Section 111: New Plymouth



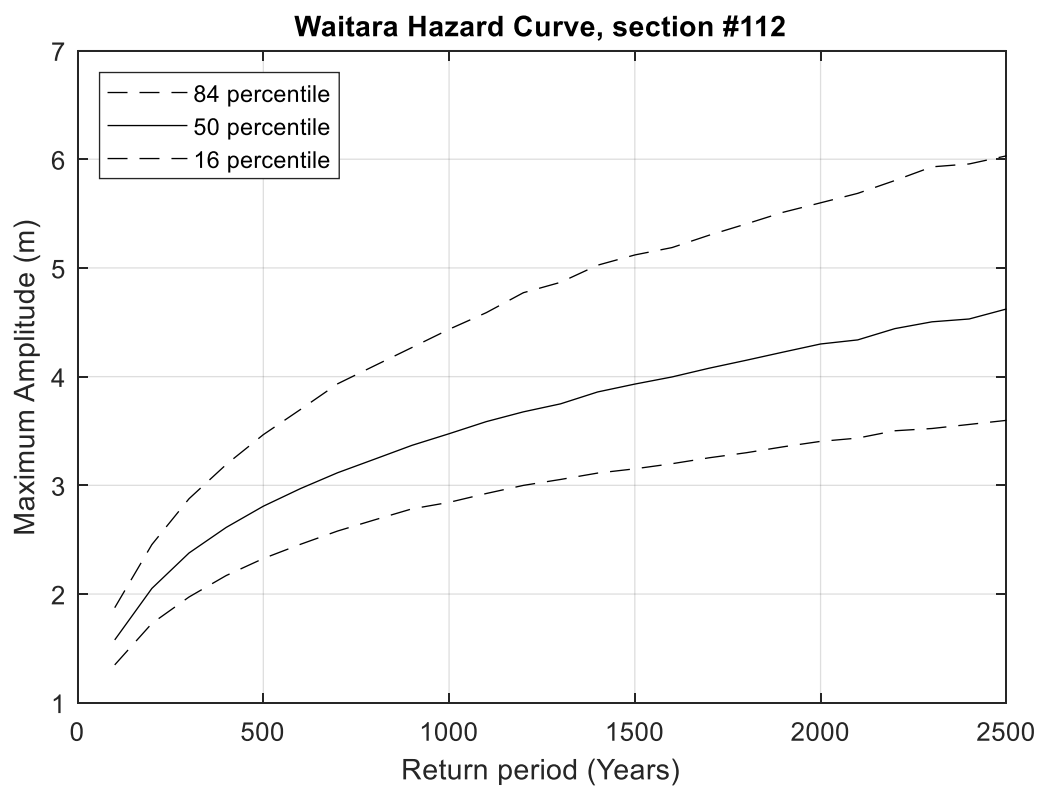
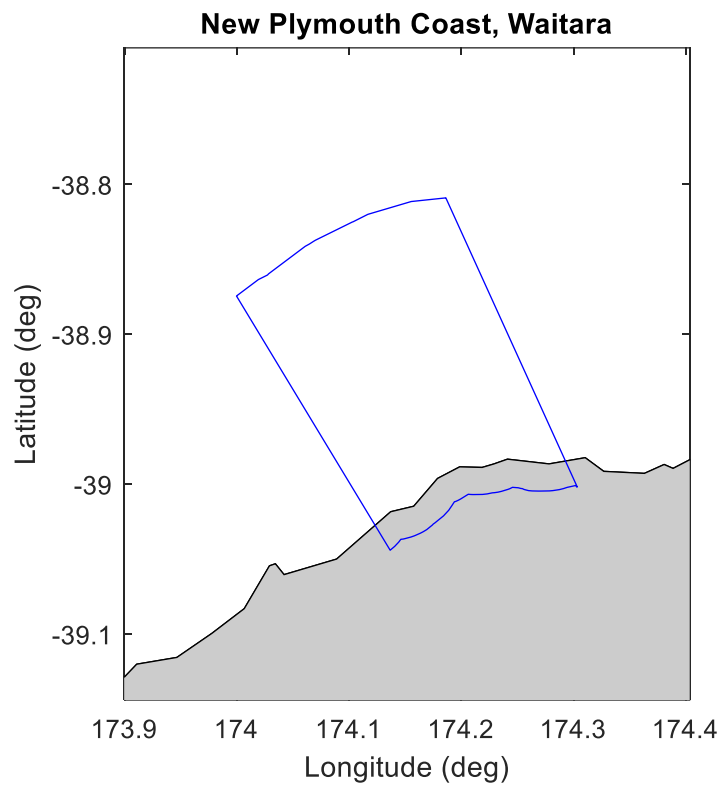
Deaggregation of Section:111, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.54 m



Deaggregation of Section:111, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.10 m

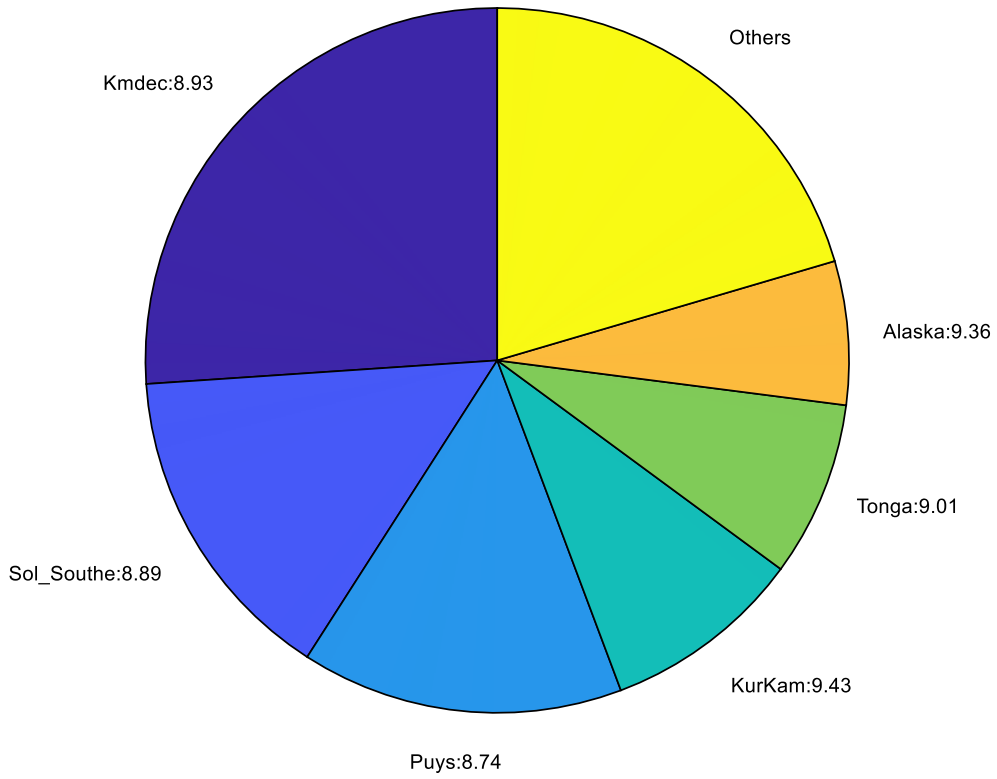


## A1.112 Coastal Section 112: Waitara

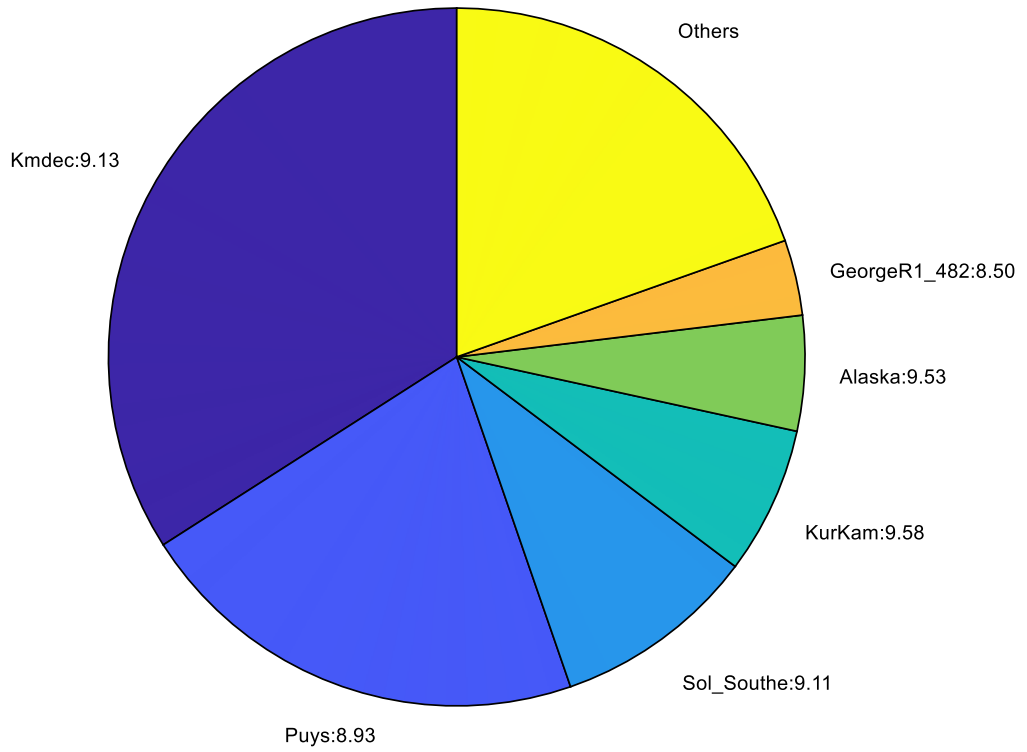




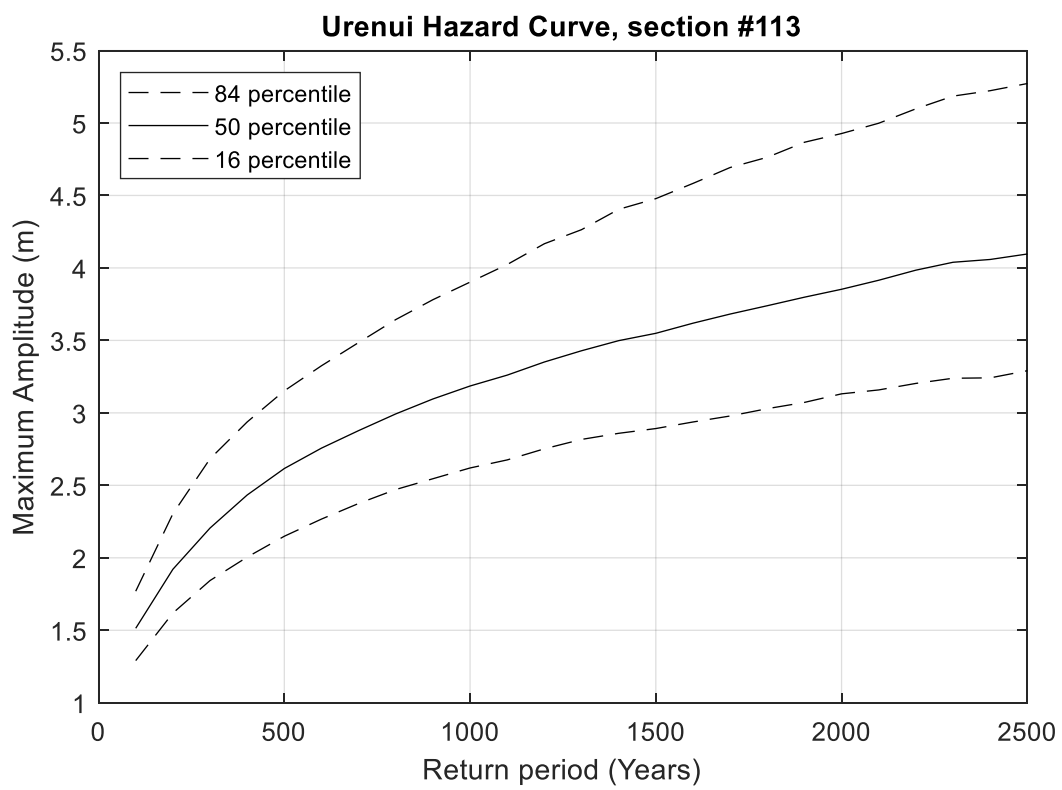
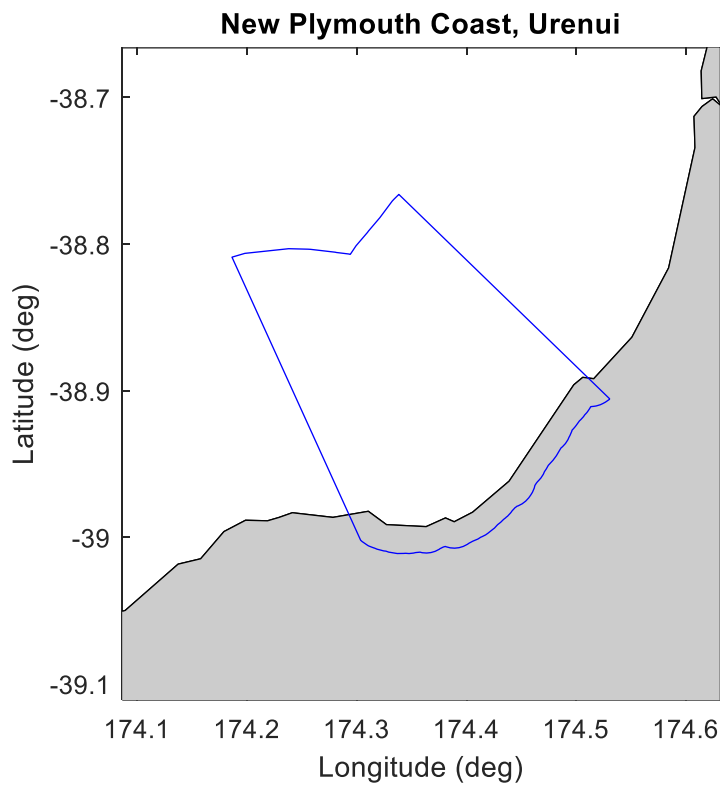
Deaggregation of Section:112, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.81 m



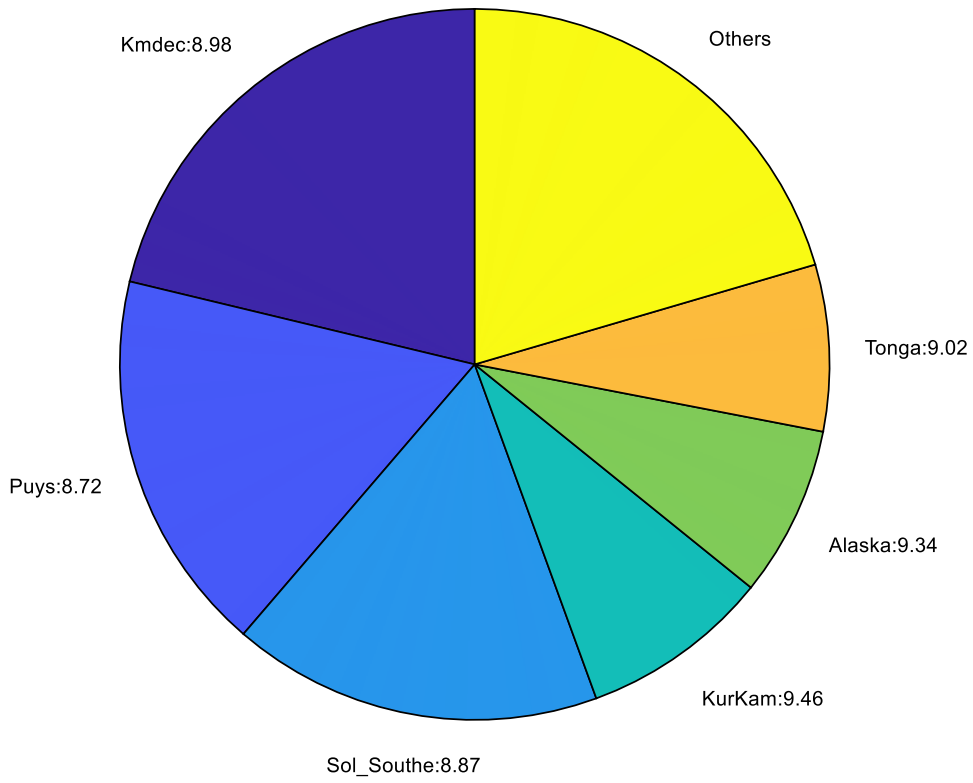
Deaggregation of Section:112, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.62 m



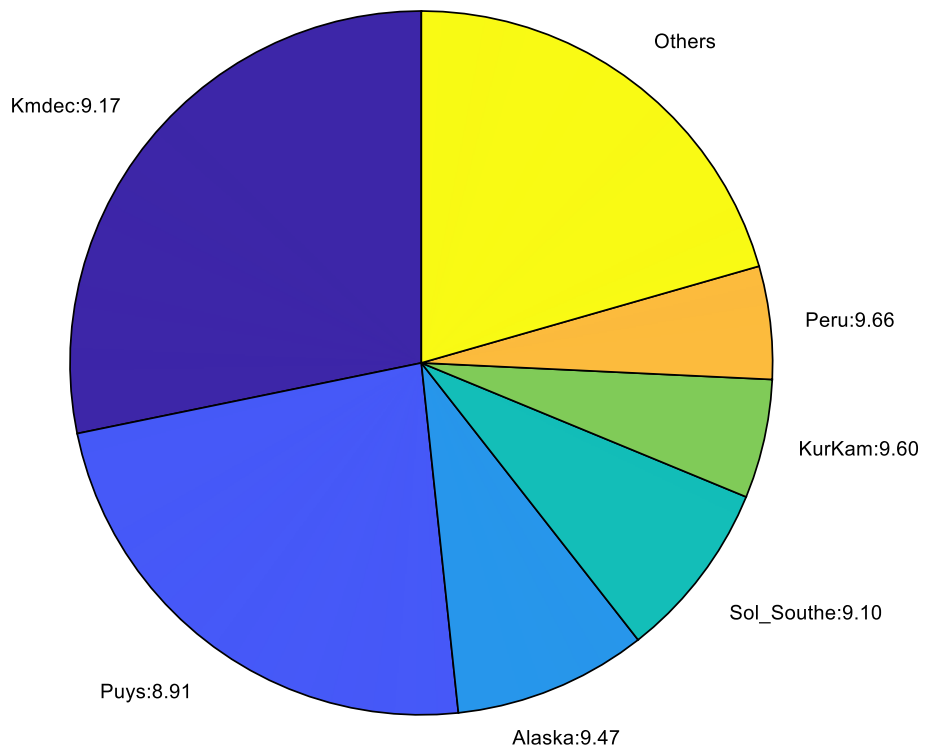
### A1.113 Coastal Section 113: Urenui



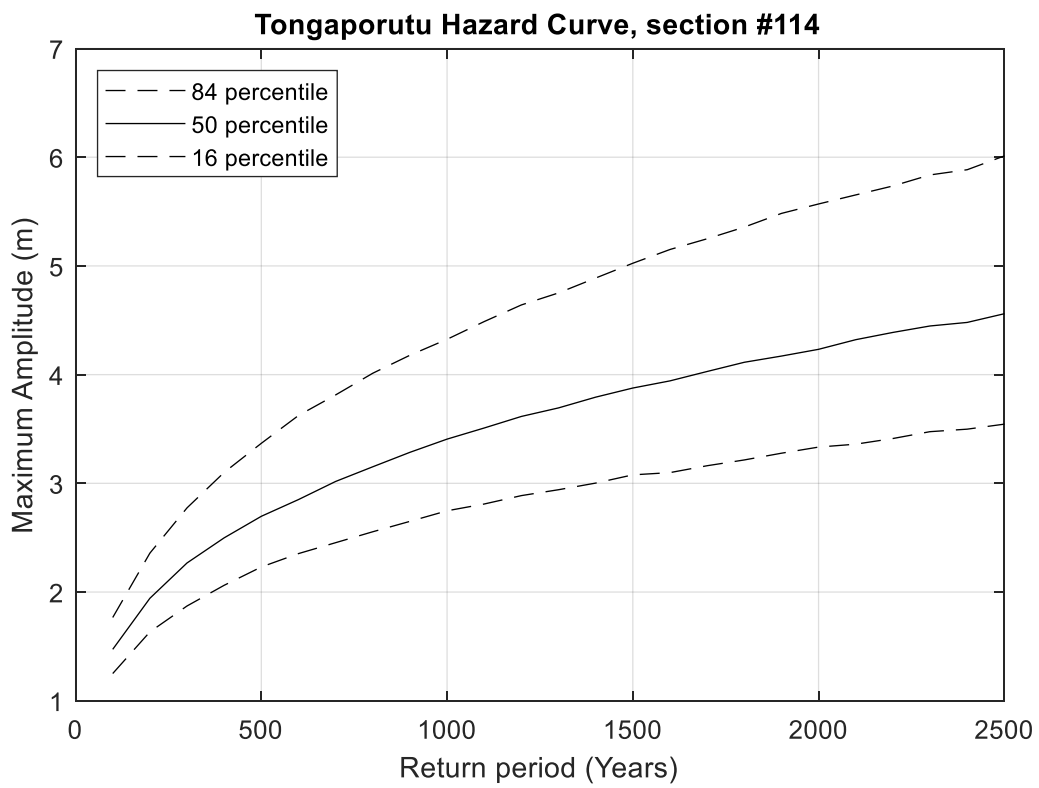
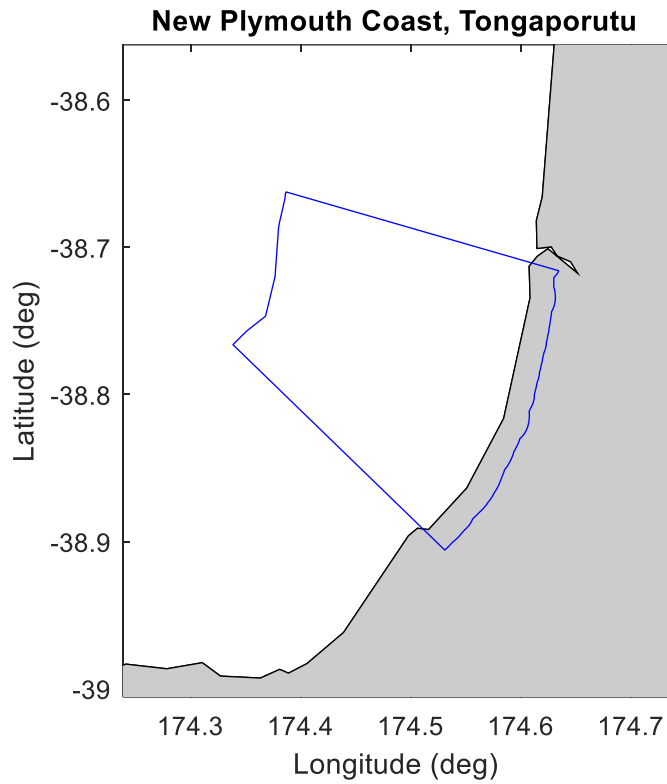
Deaggregation of Section:113, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.61 m



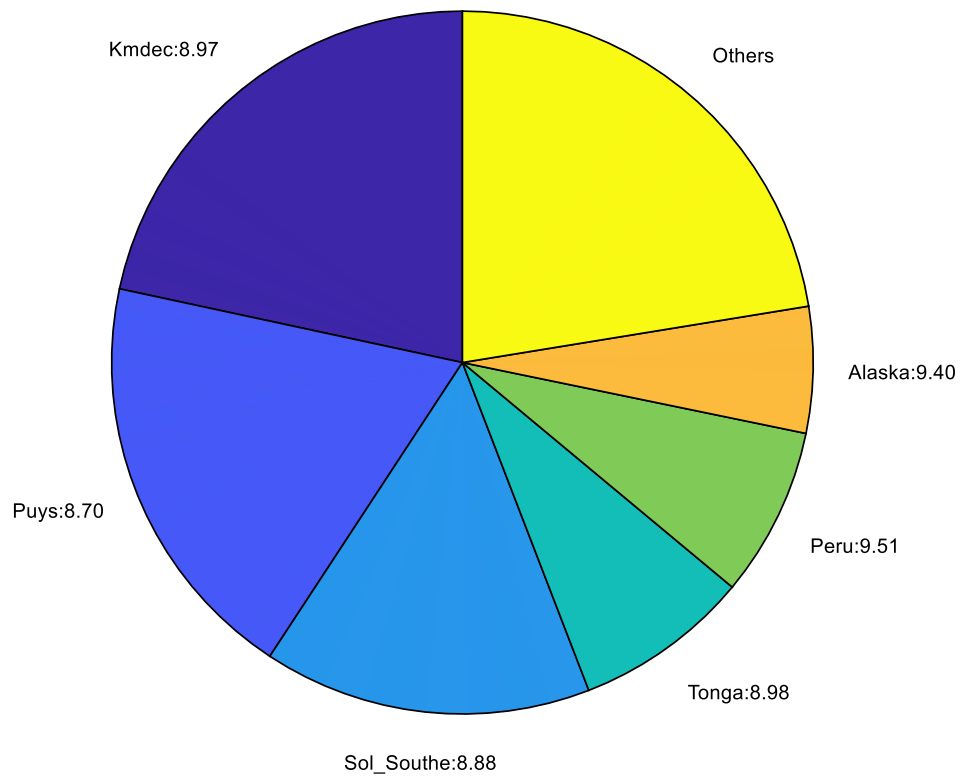
Deaggregation of Section:113, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.09 m



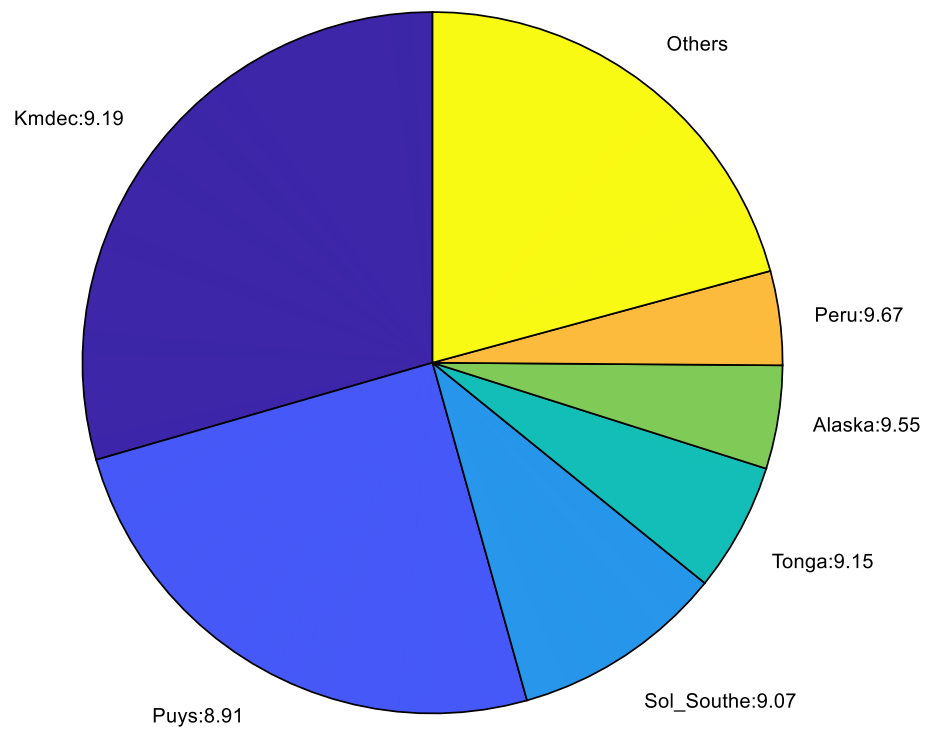
### A1.114 Coastal Section 114: Tongaporutu



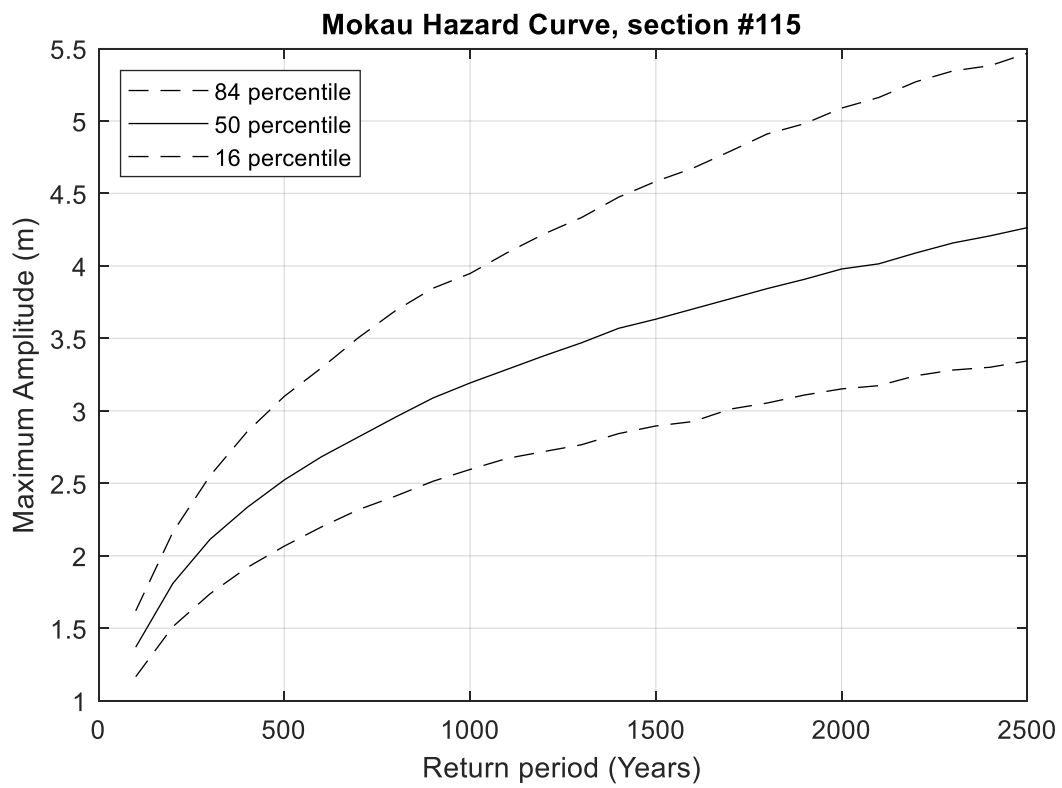
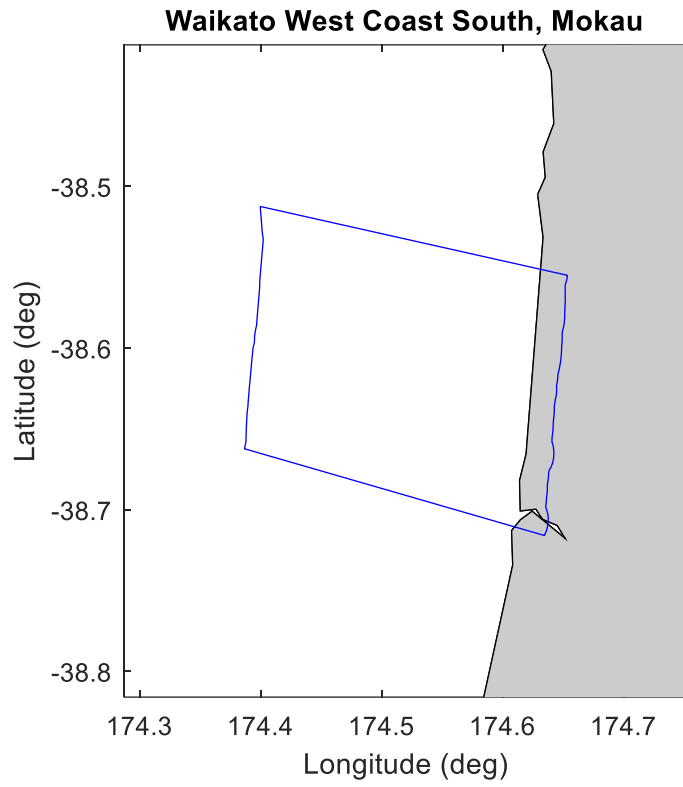
Deaggregation of Section:114, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.70 m



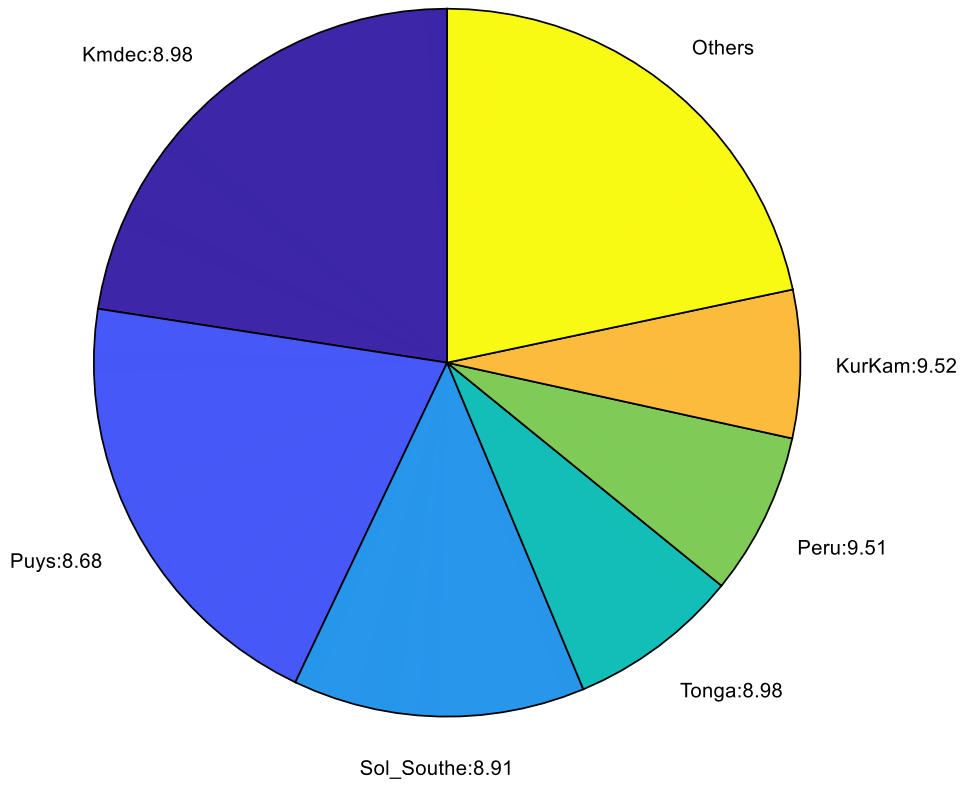
Deaggregation of Section:114, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.56 m



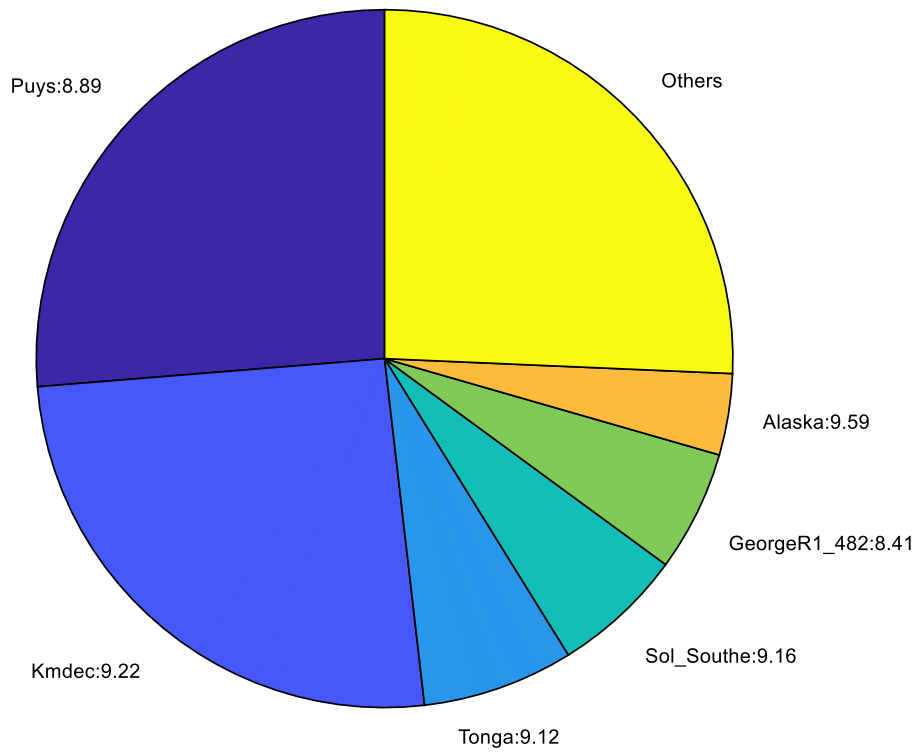
# A1.115 Coastal Section 115: Mokau



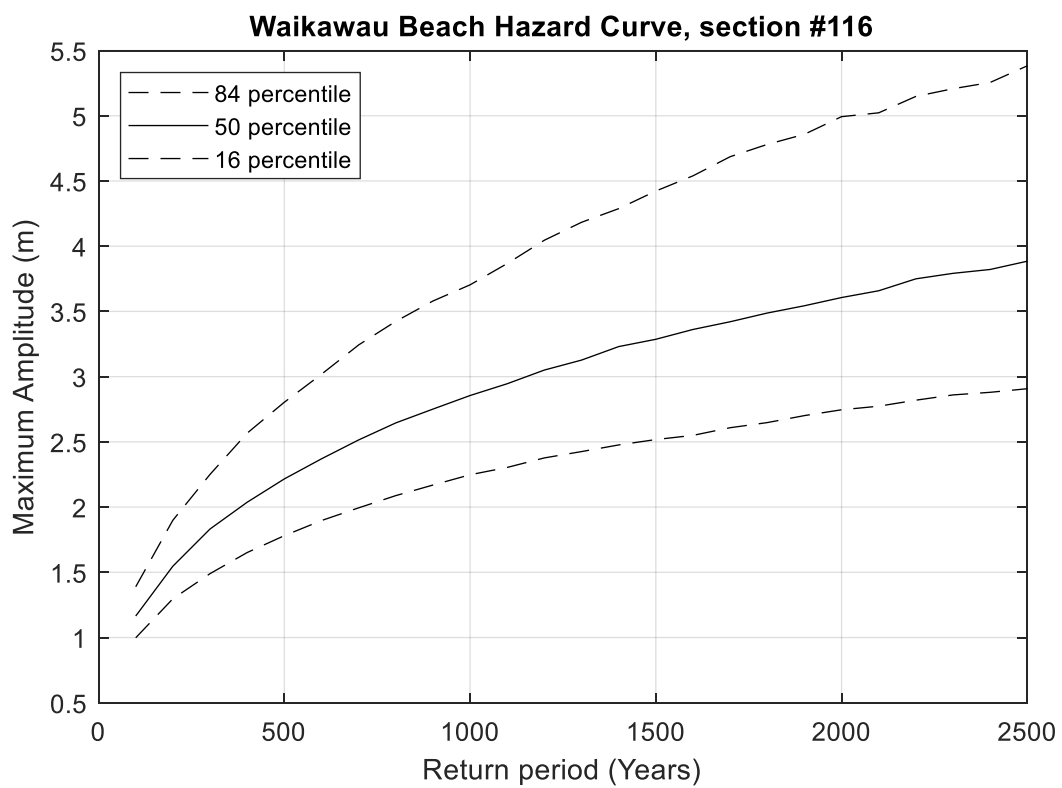
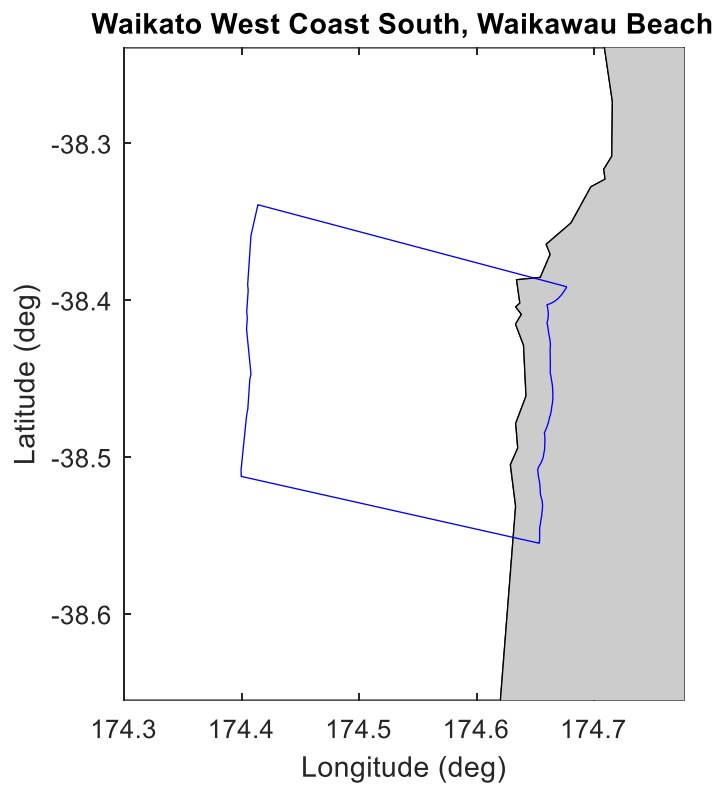
Deaggregation of Section:115, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.52 m



Deaggregation of Section:115, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.26 m

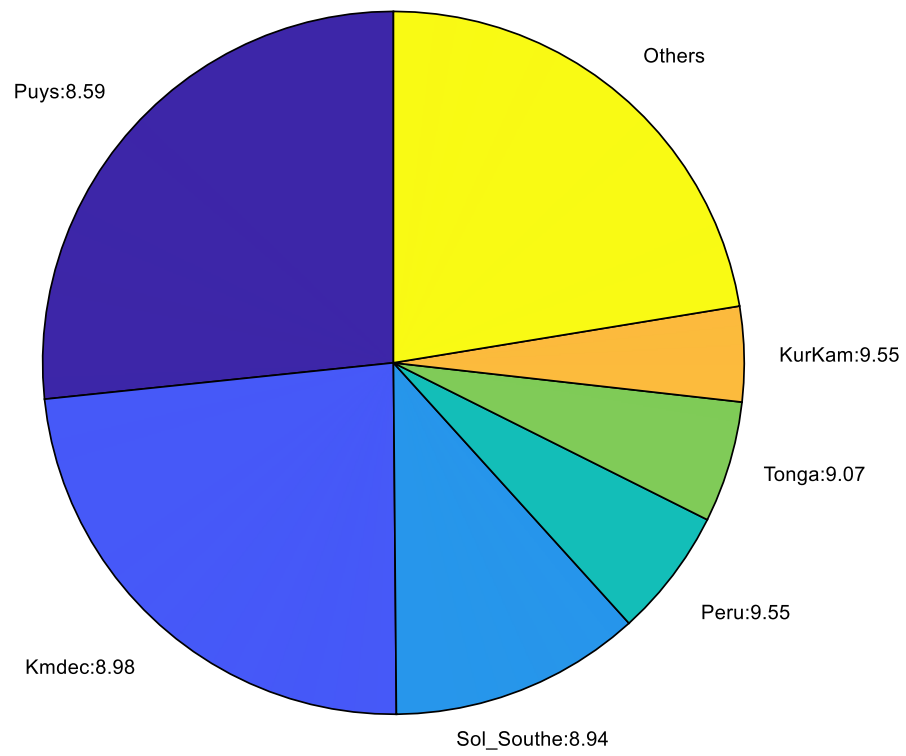


## A1.116 Coastal Section 116: Waikawau Beach

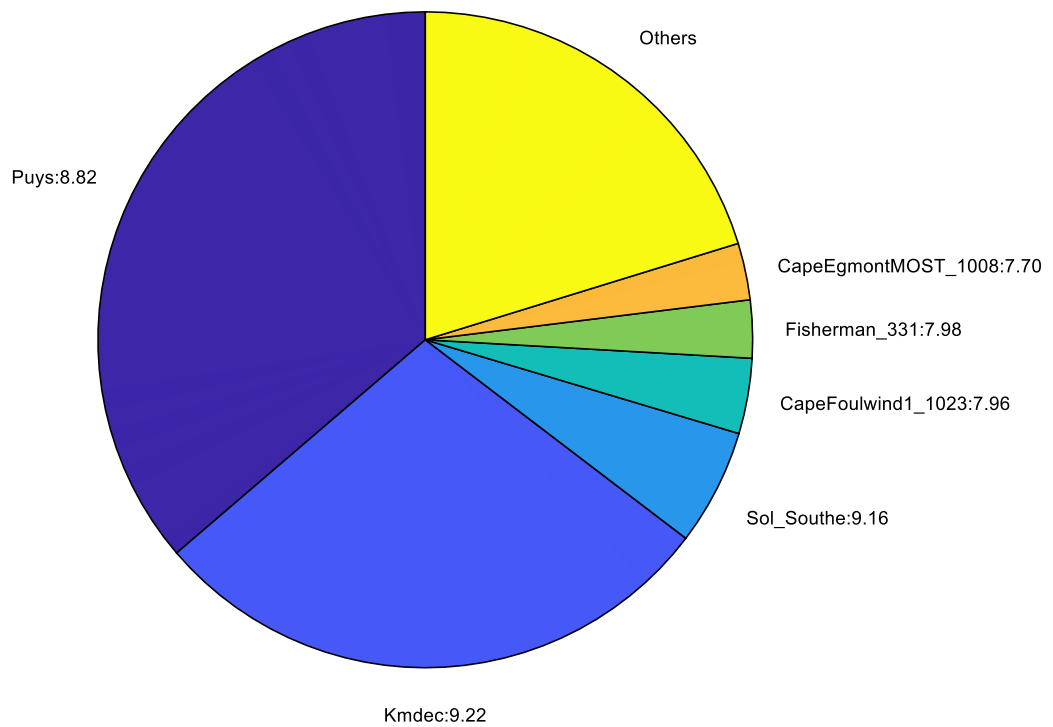




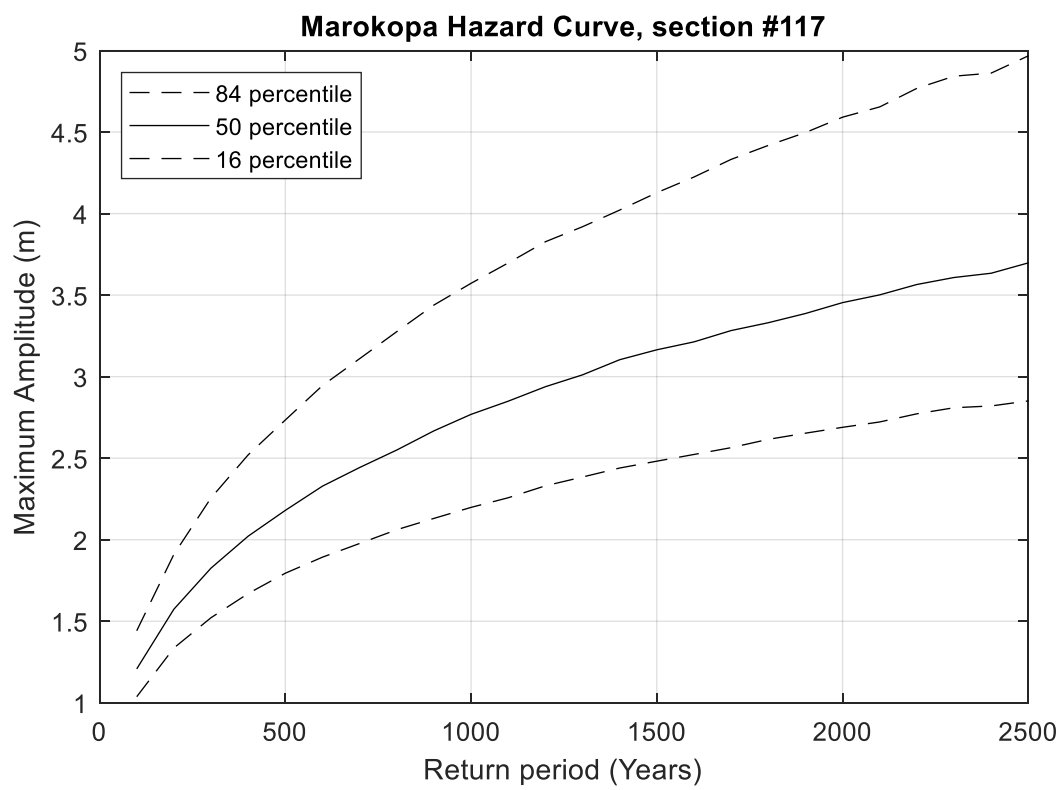
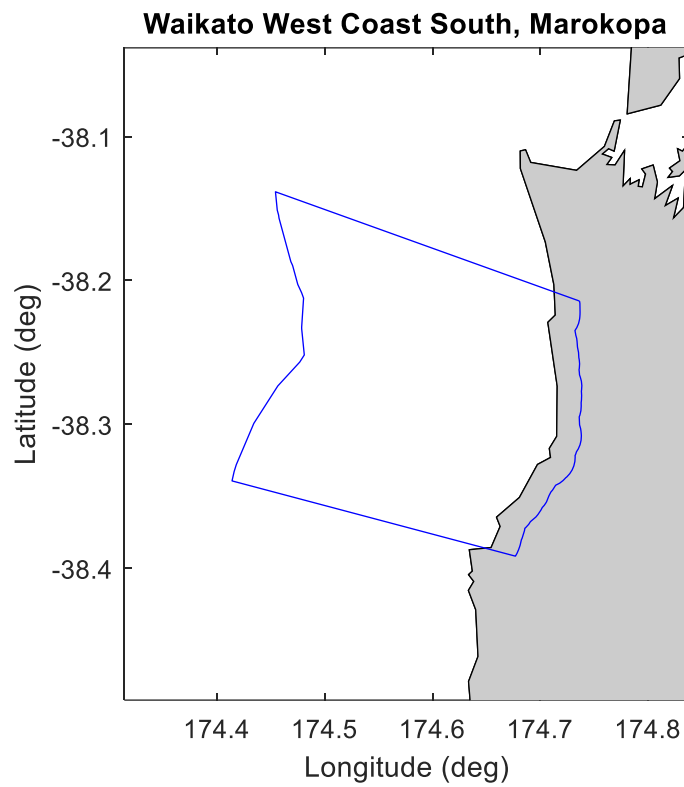
Deaggregation of Section:116, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.22 m



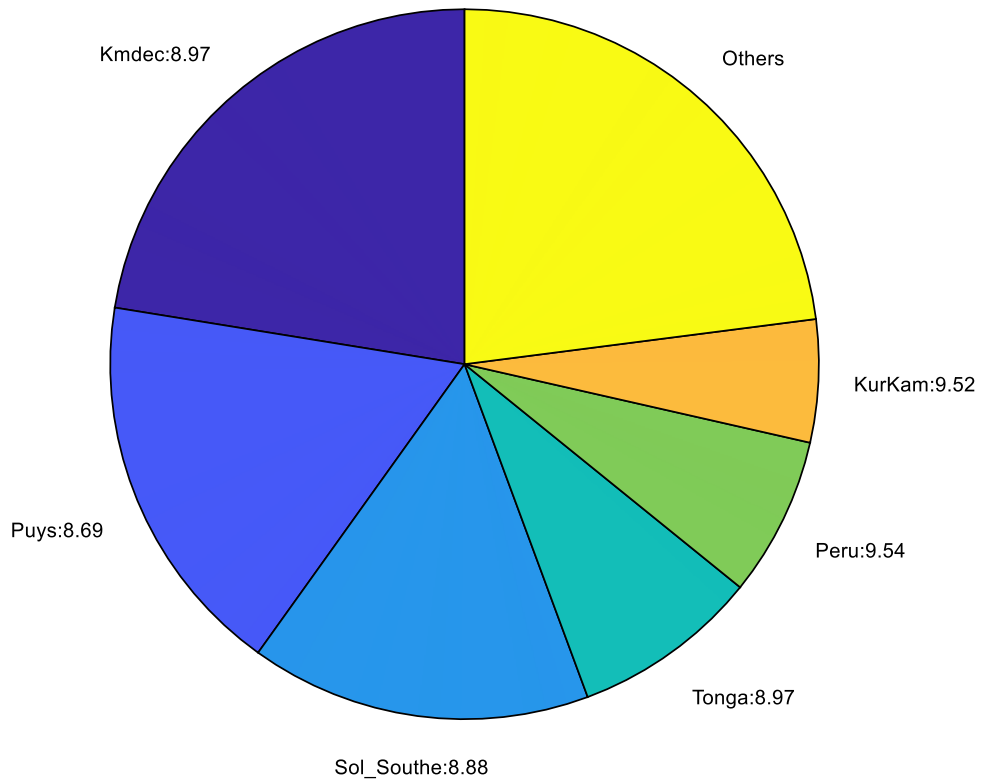
Deaggregation of Section:116, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.88 m



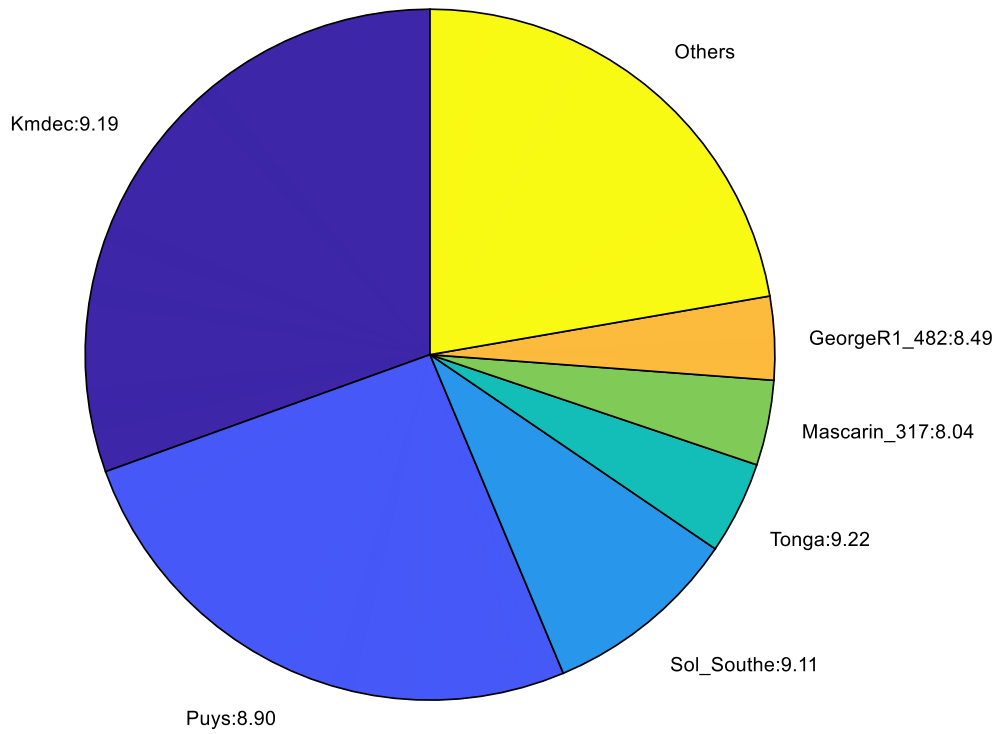
## A1.117 Coastal Section 117: Marokopa



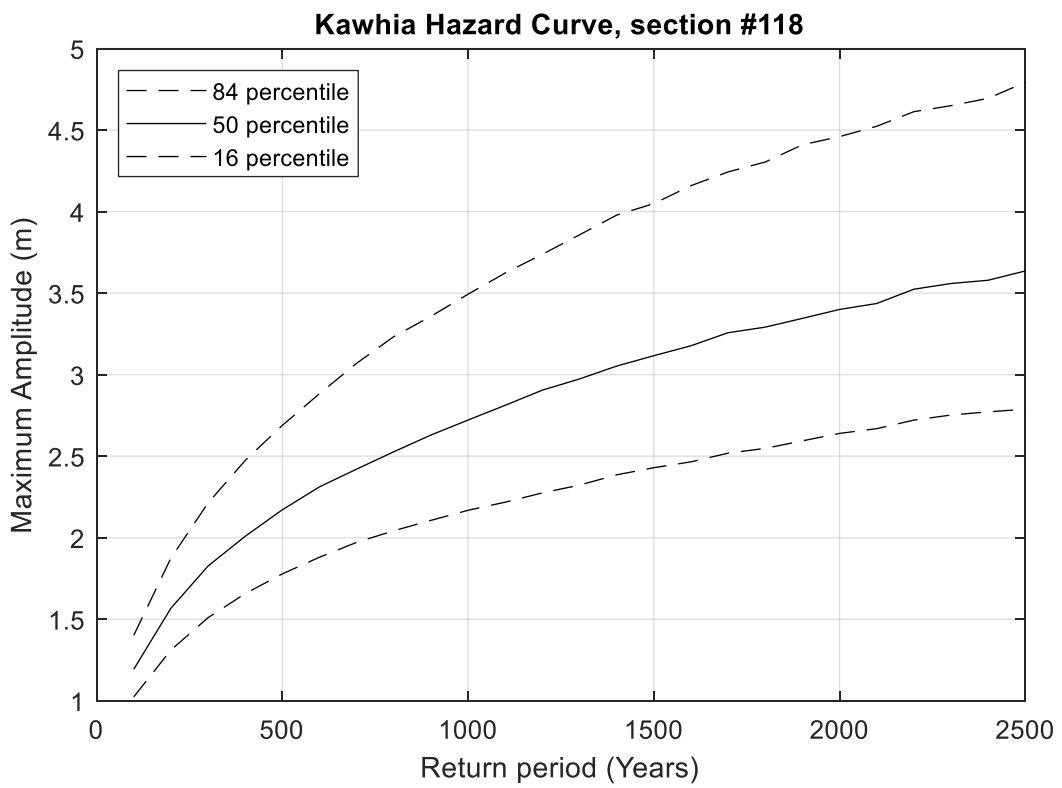
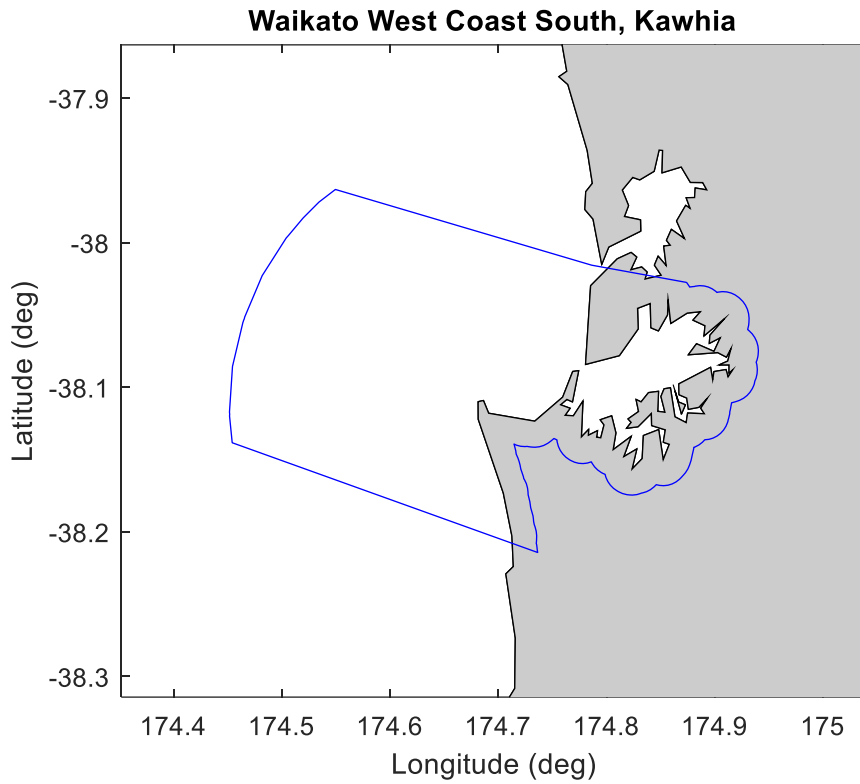
Deaggregation of Section:117, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.18 m



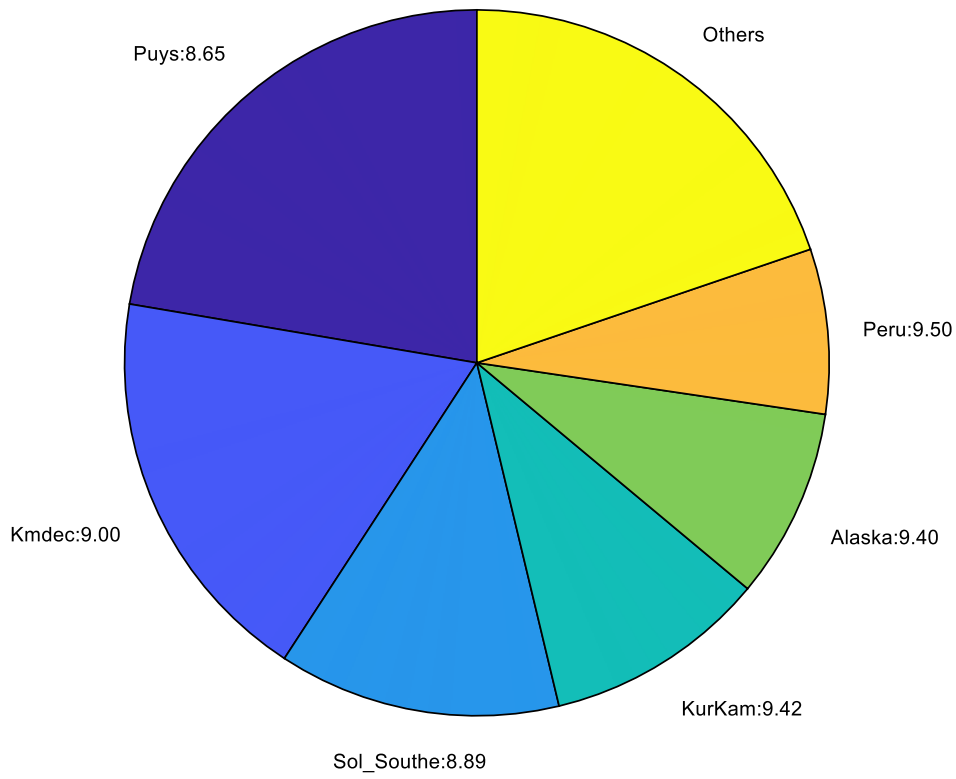
Deaggregation of Section:117, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.69 m



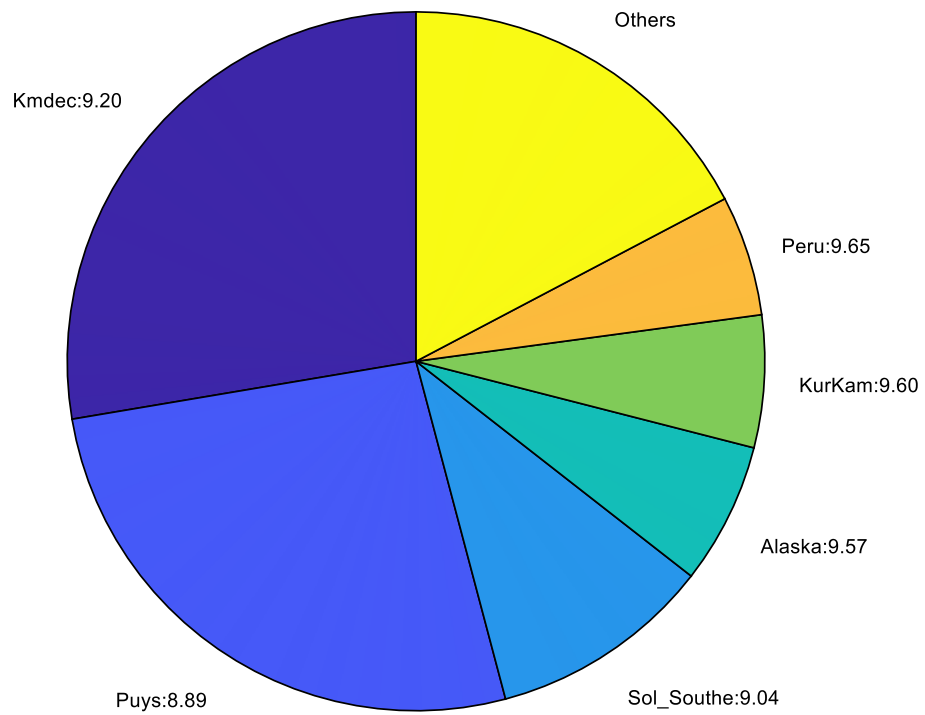
# A1.118 Coastal Section 118: Kawhia



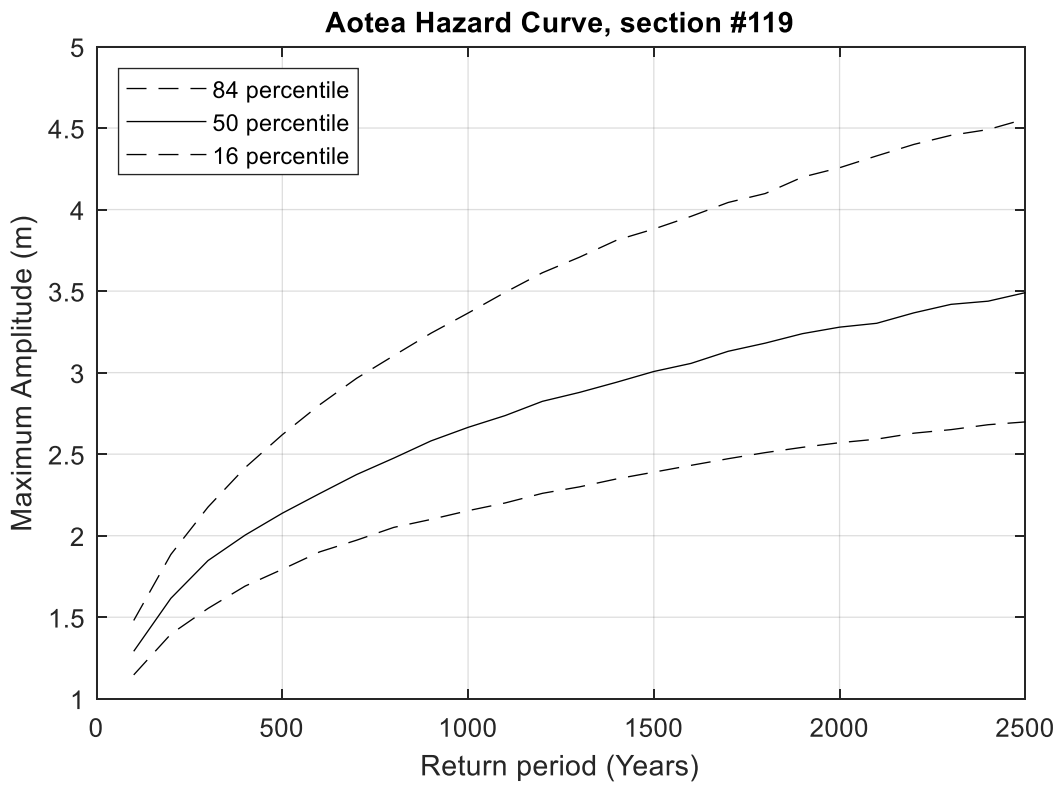
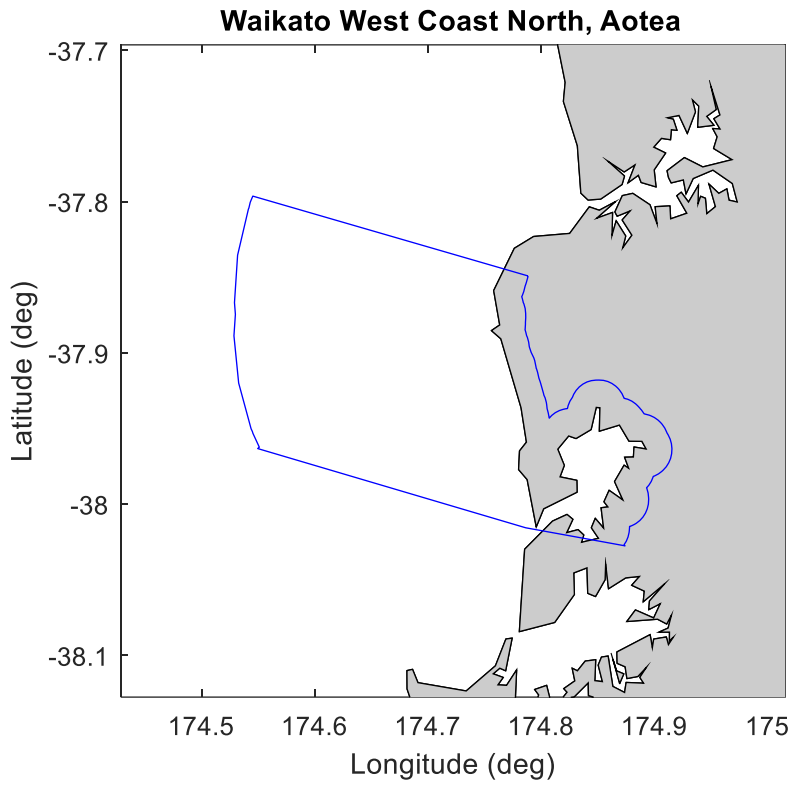
Deaggregation of Section:118, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.17 m



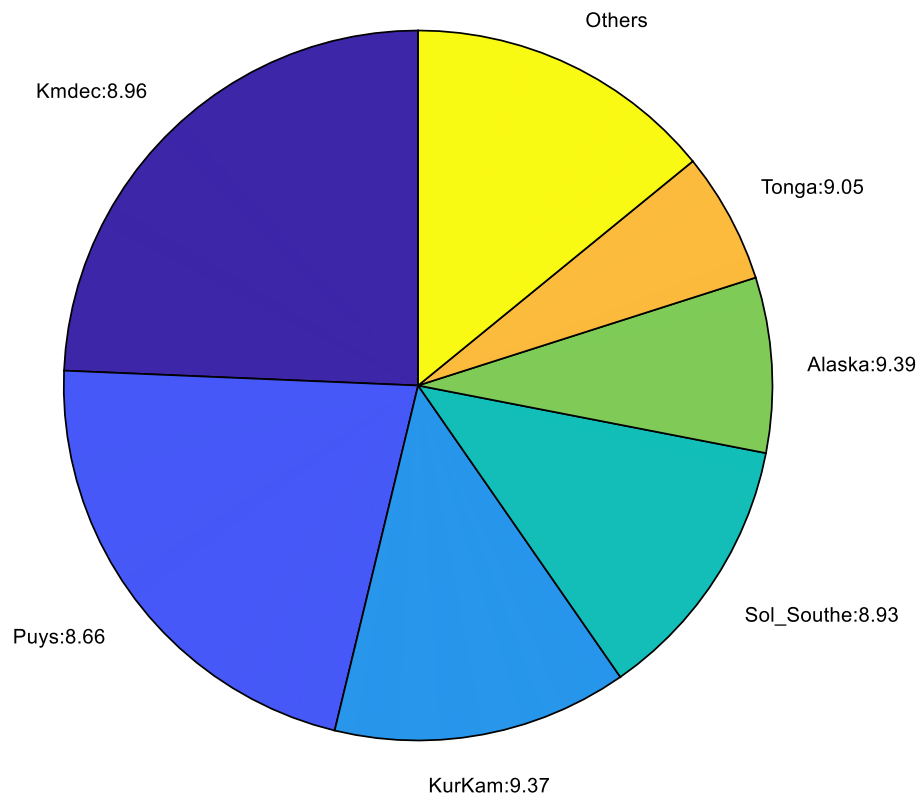
Deaggregation of Section:118, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.64 m



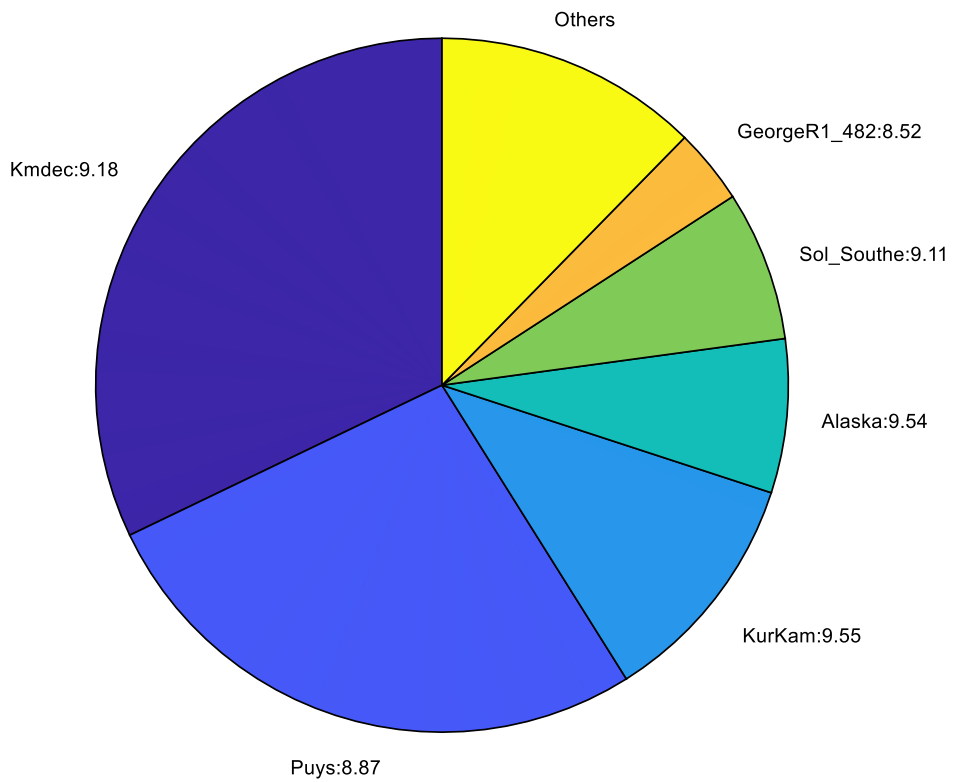
# A1.119 Coastal Section 119: Aotea



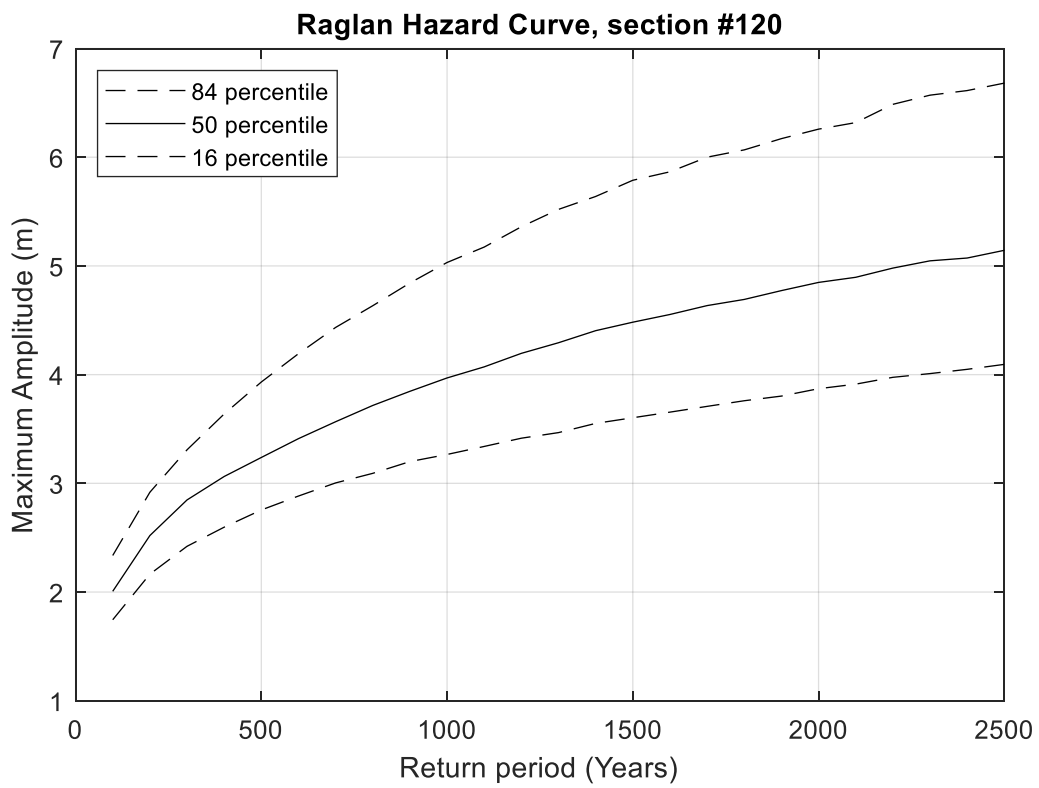
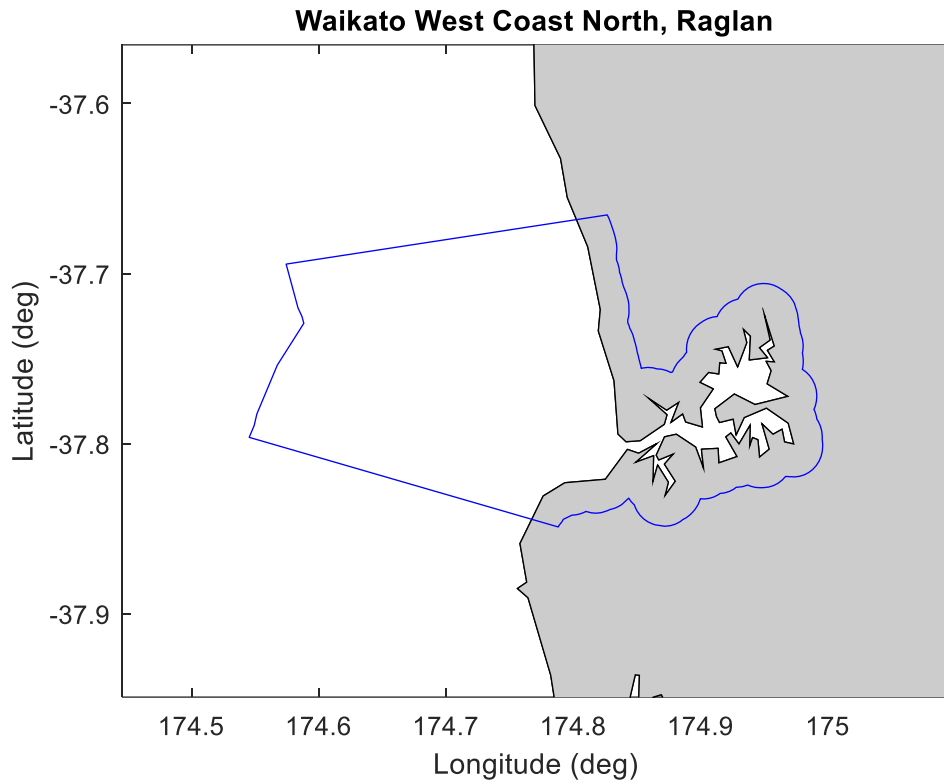
Deaggregation of Section:119, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.14 m



Deaggregation of Section:119, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.49 m

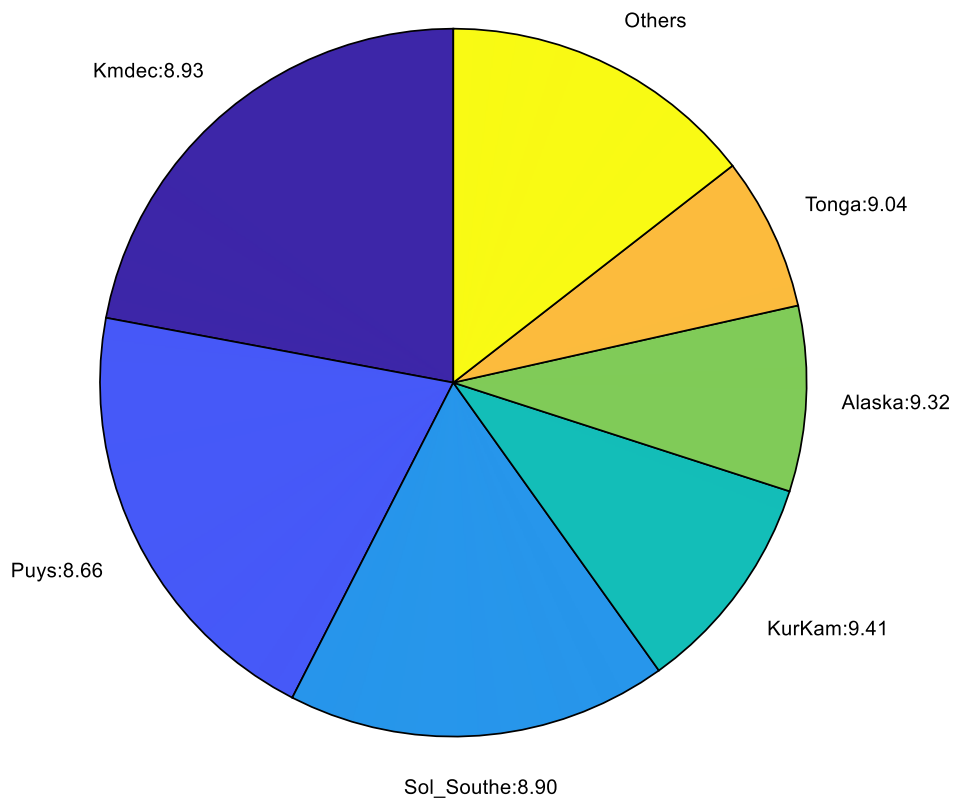


## A1.120 Coastal Section 120: Raglan

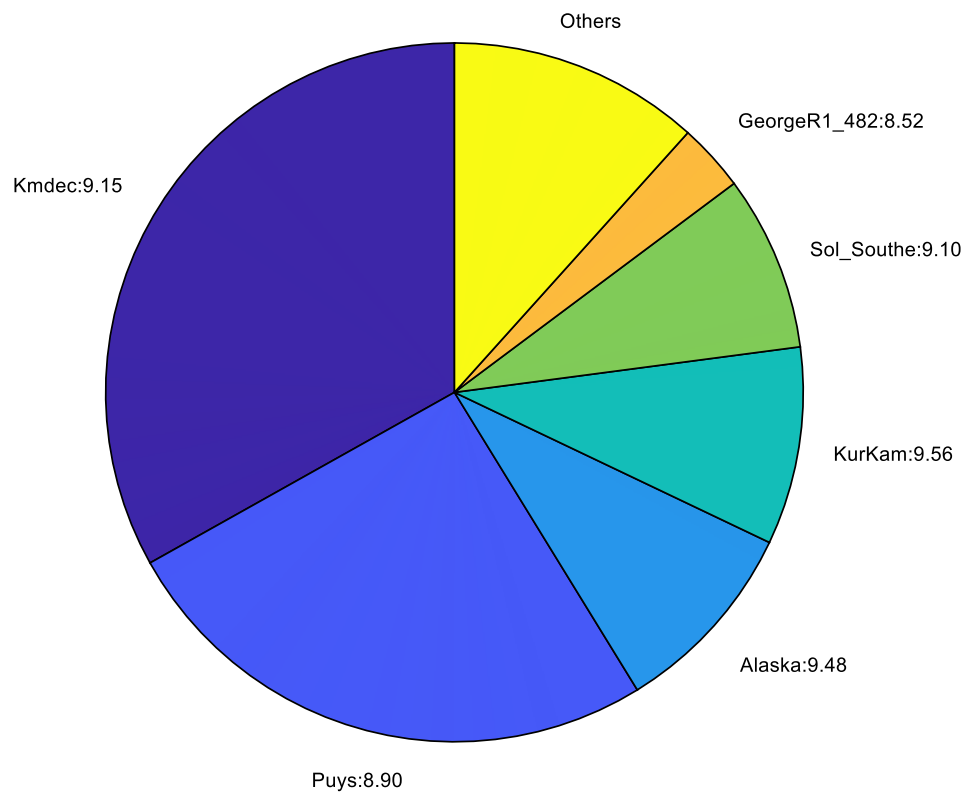




Deaggregation of Section:120, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.24 m

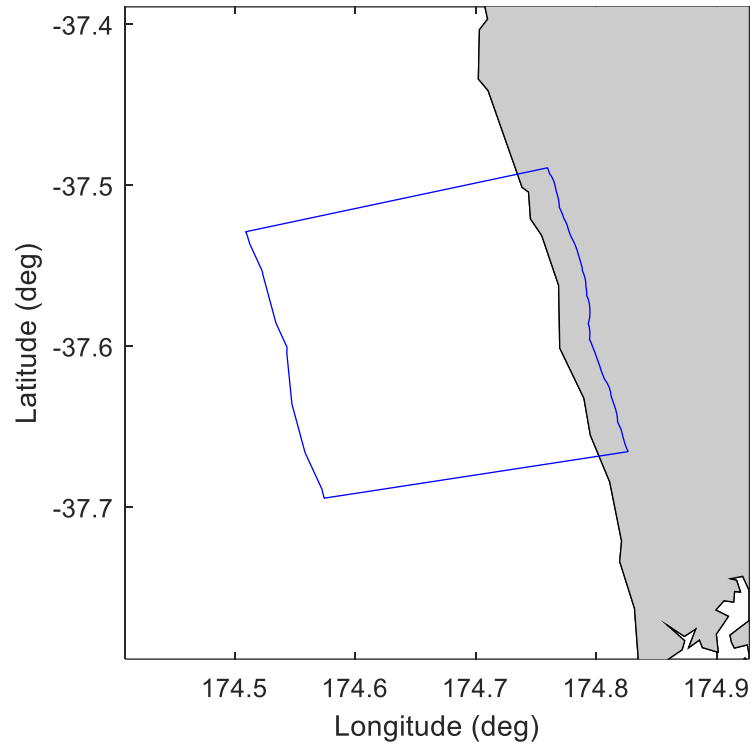


Deaggregation of Section:120, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.14 m

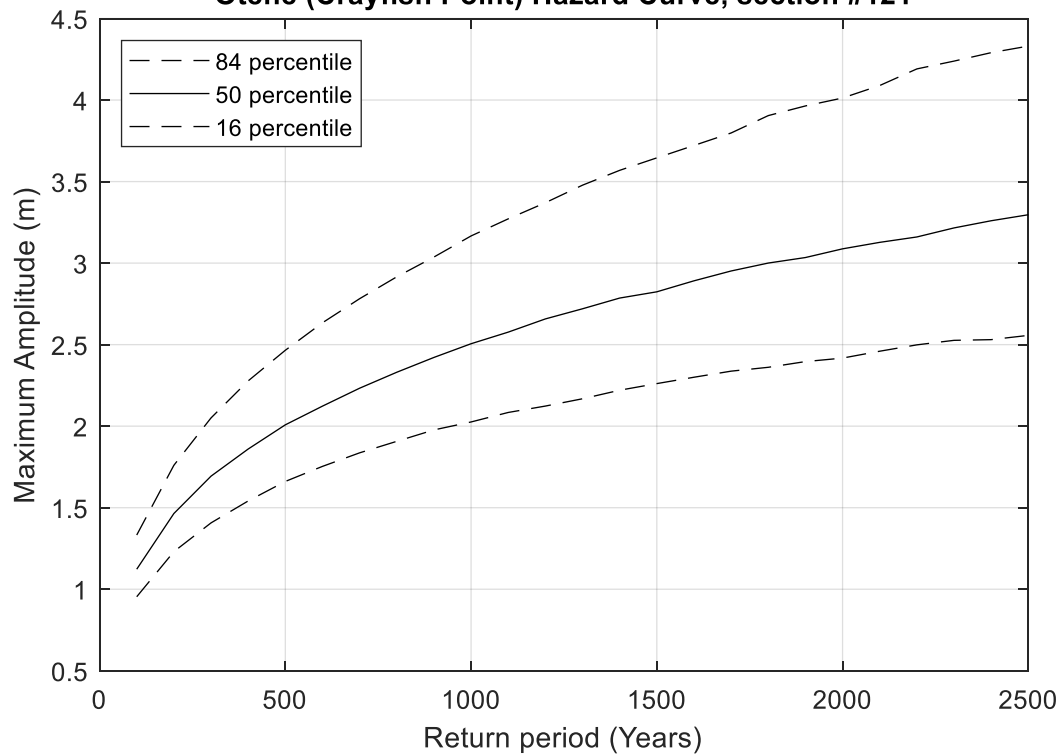


## A1.121 Coastal Section 121: Otehe (Crayfish Point)

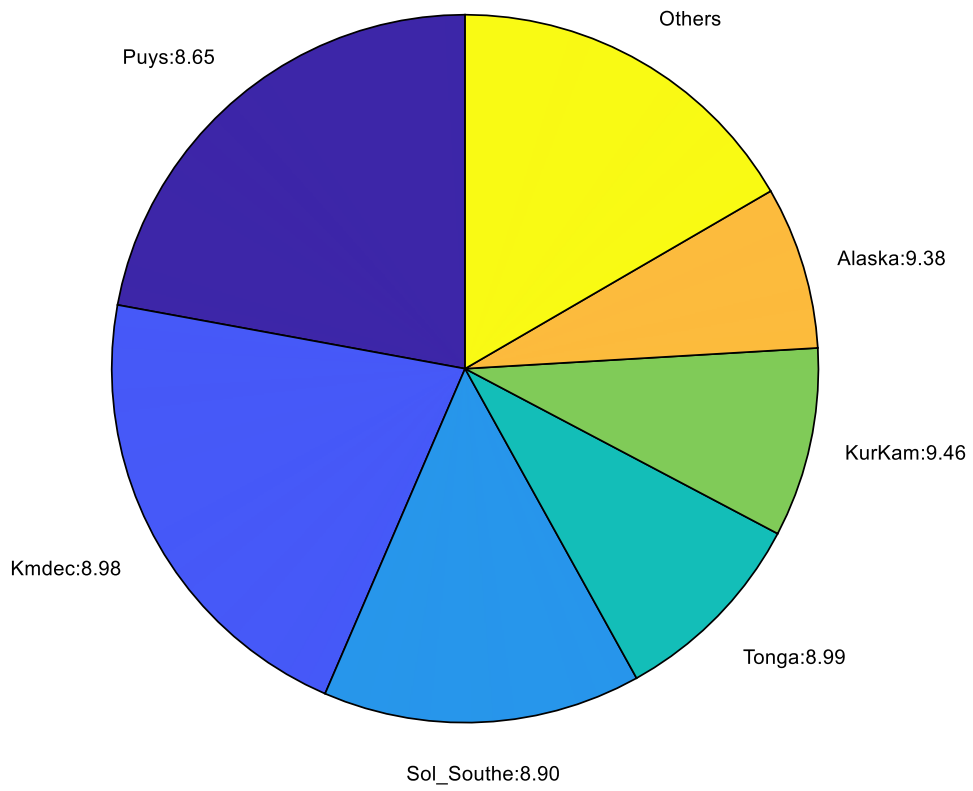
### Waikato West Coast North, Otehe (Crayfish Point)



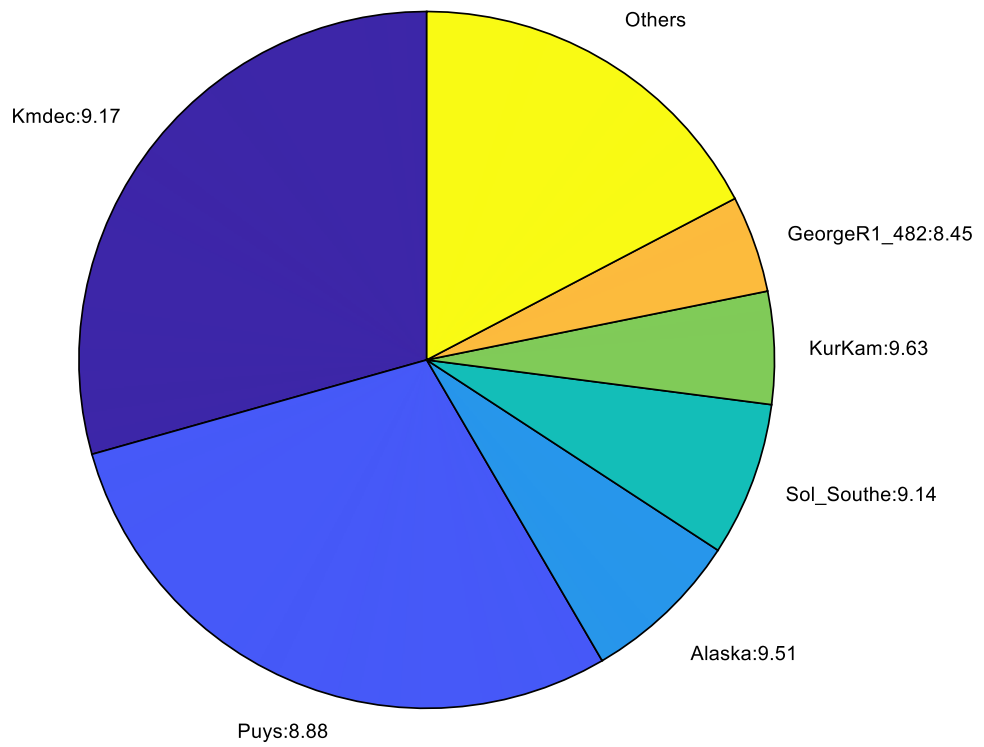
### Otehe (Crayfish Point) Hazard Curve, section #121



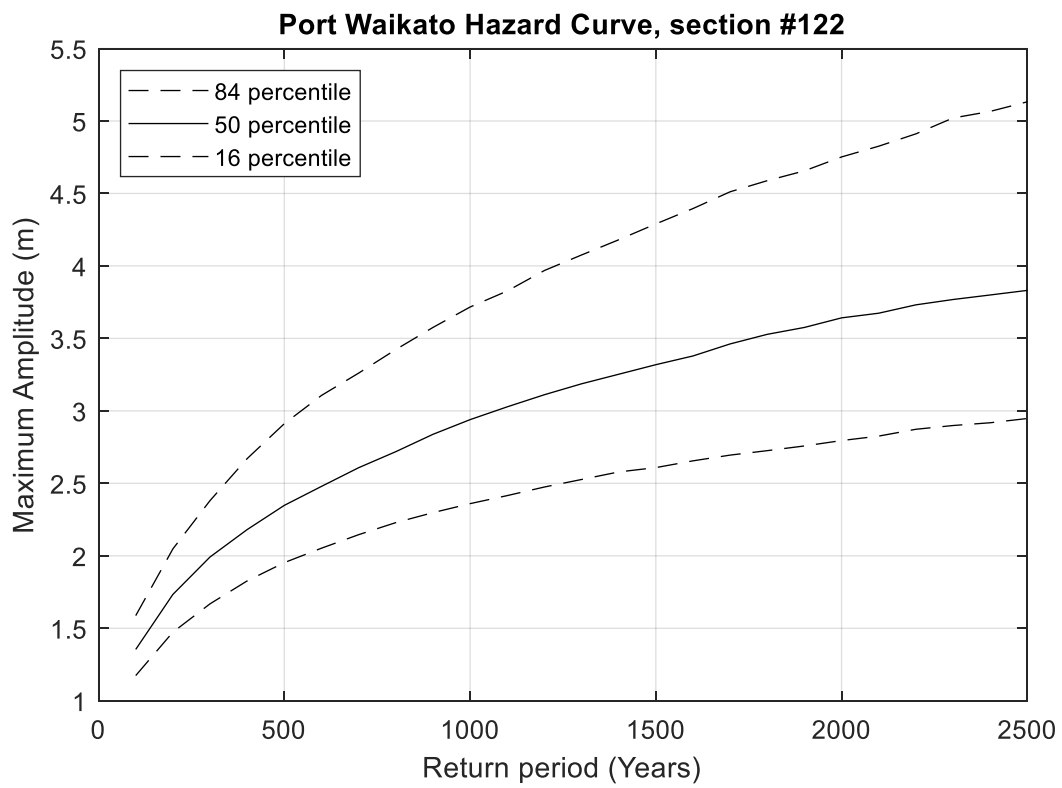
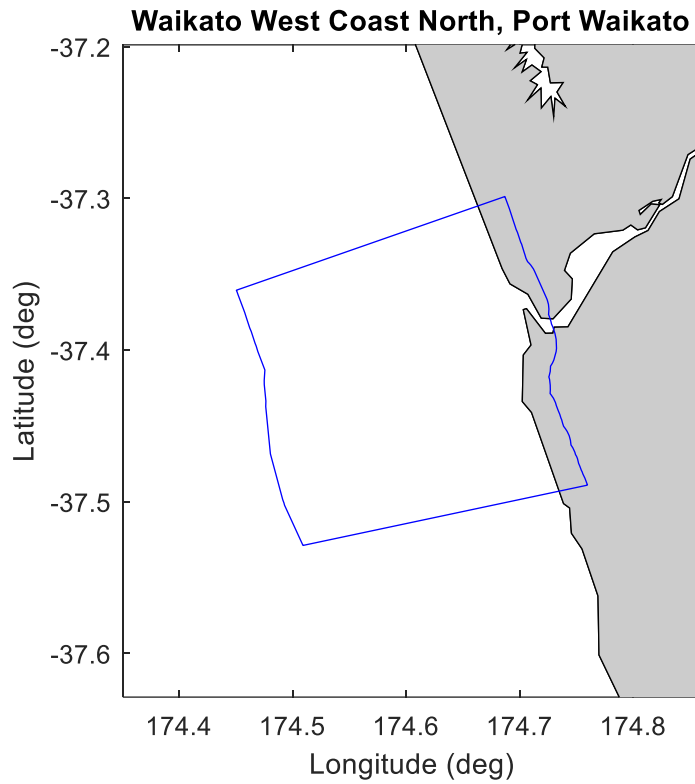
Deaggregation of Section:121, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.01 m



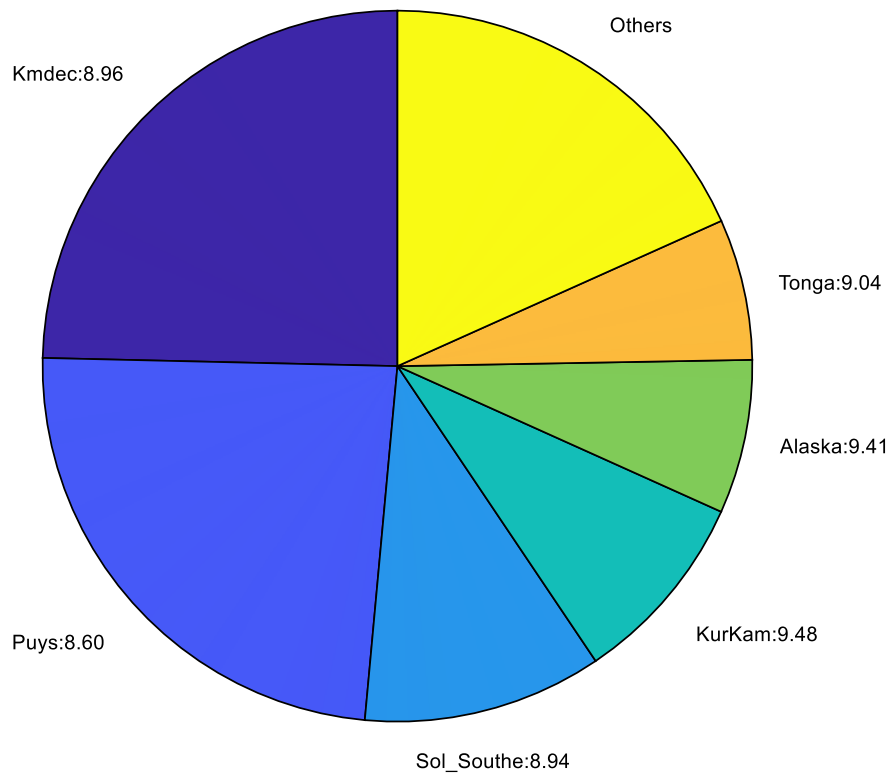
Deaggregation of Section:121, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.30 m



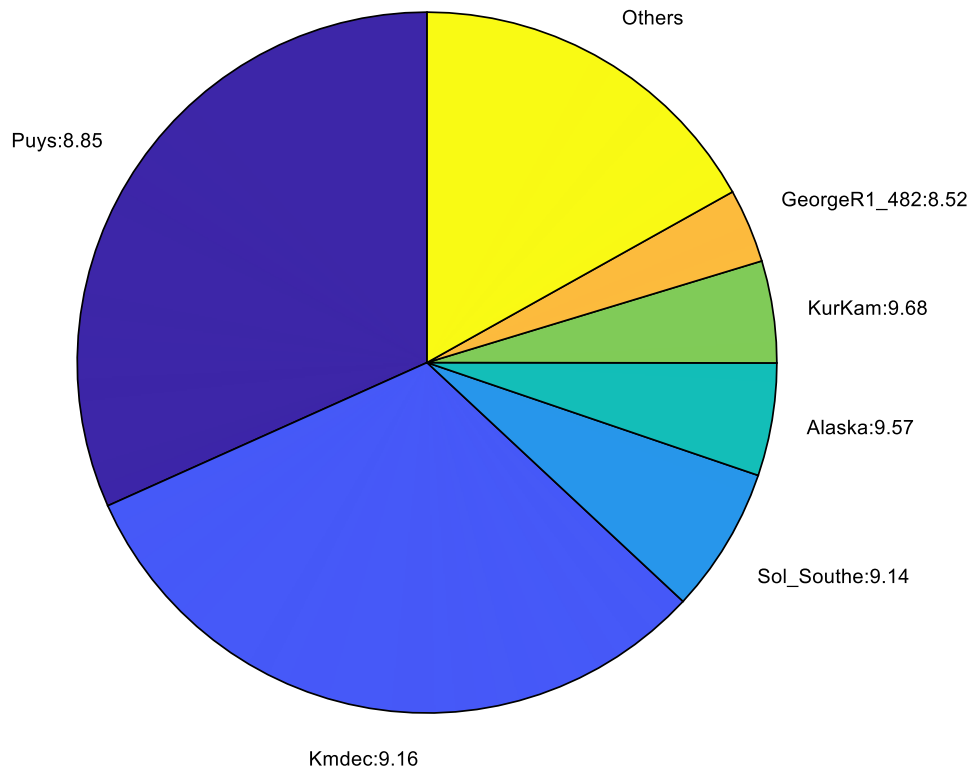
## A1.122 Coastal Section 122: Port Waikato



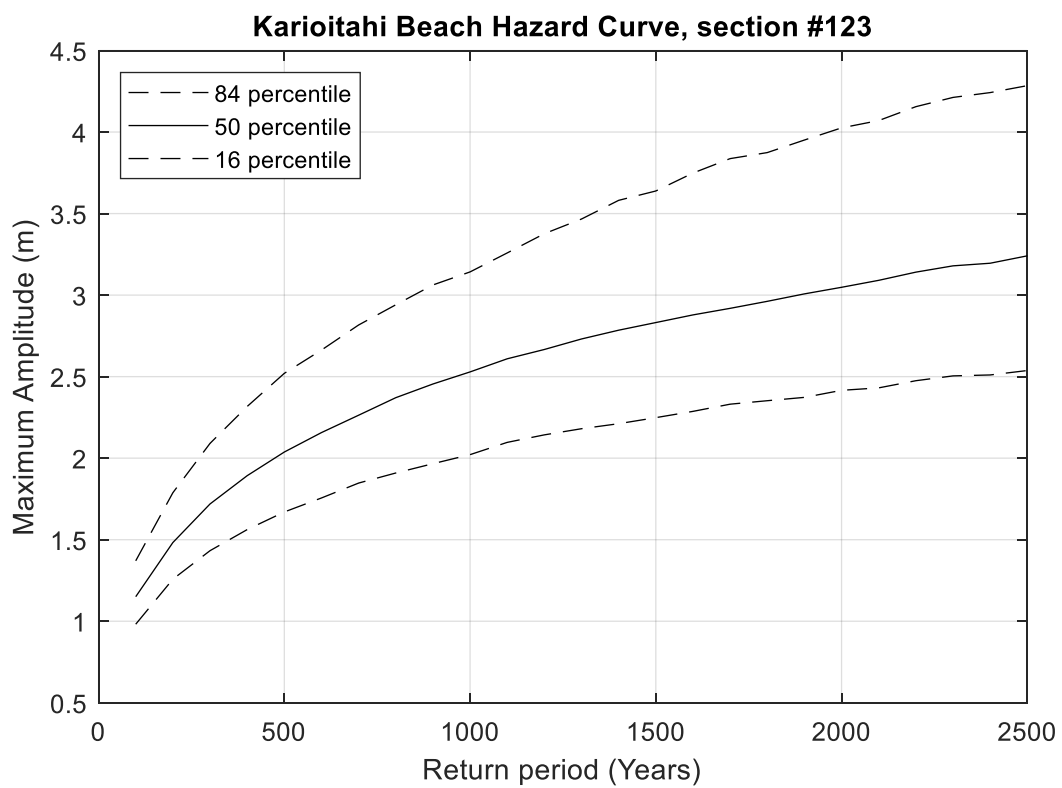
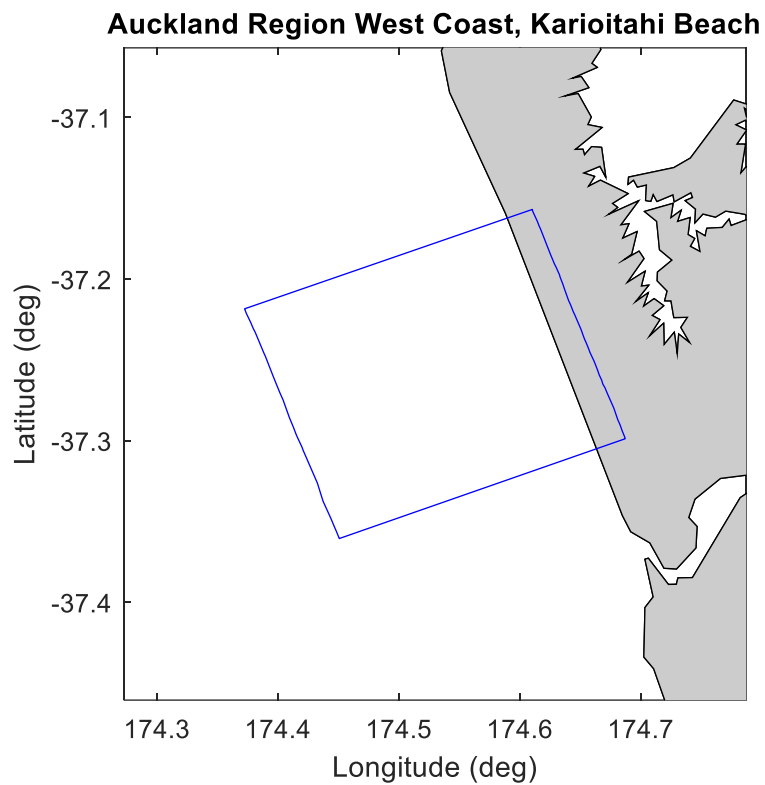
Deaggregation of Section:122, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.35 m



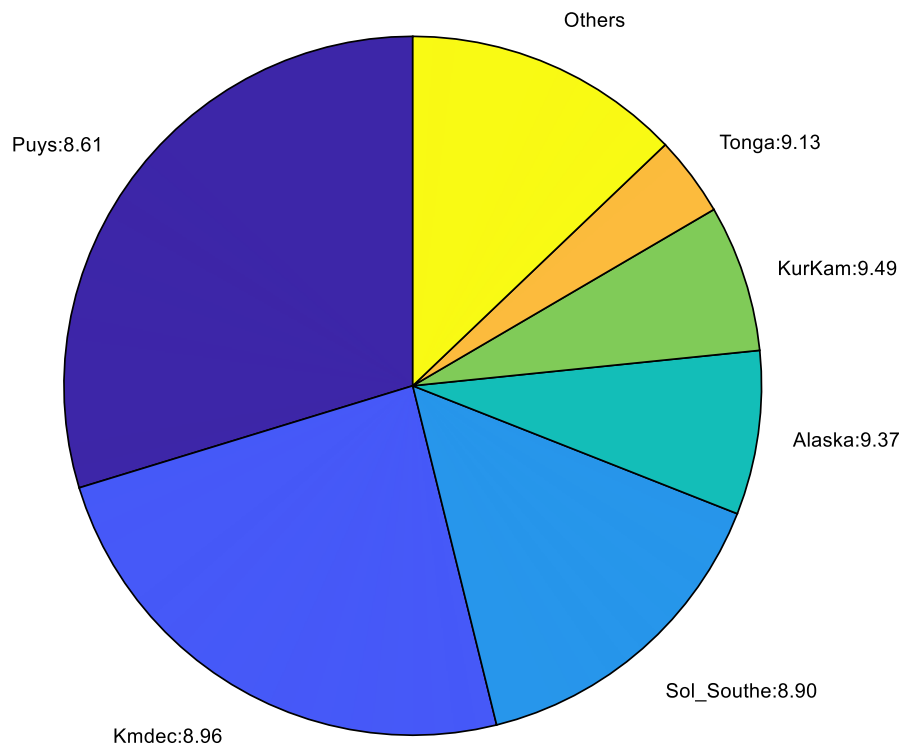
Deaggregation of Section:122, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.83 m



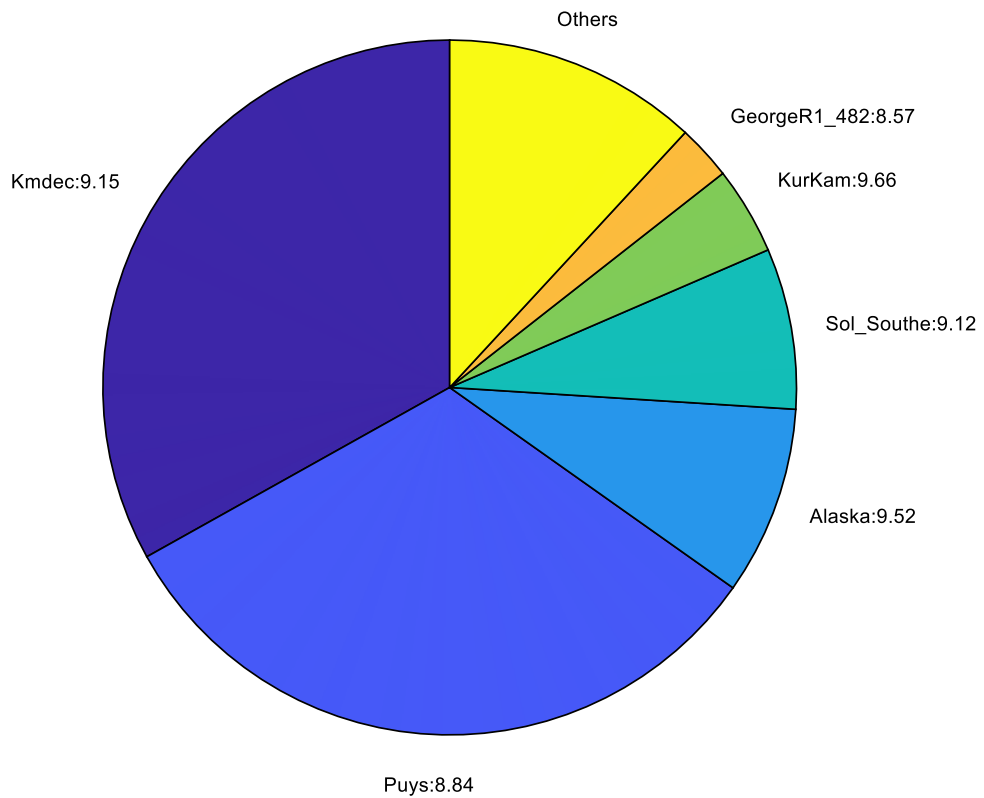
### A1.123 Coastal Section 123: Karioitahi Beach



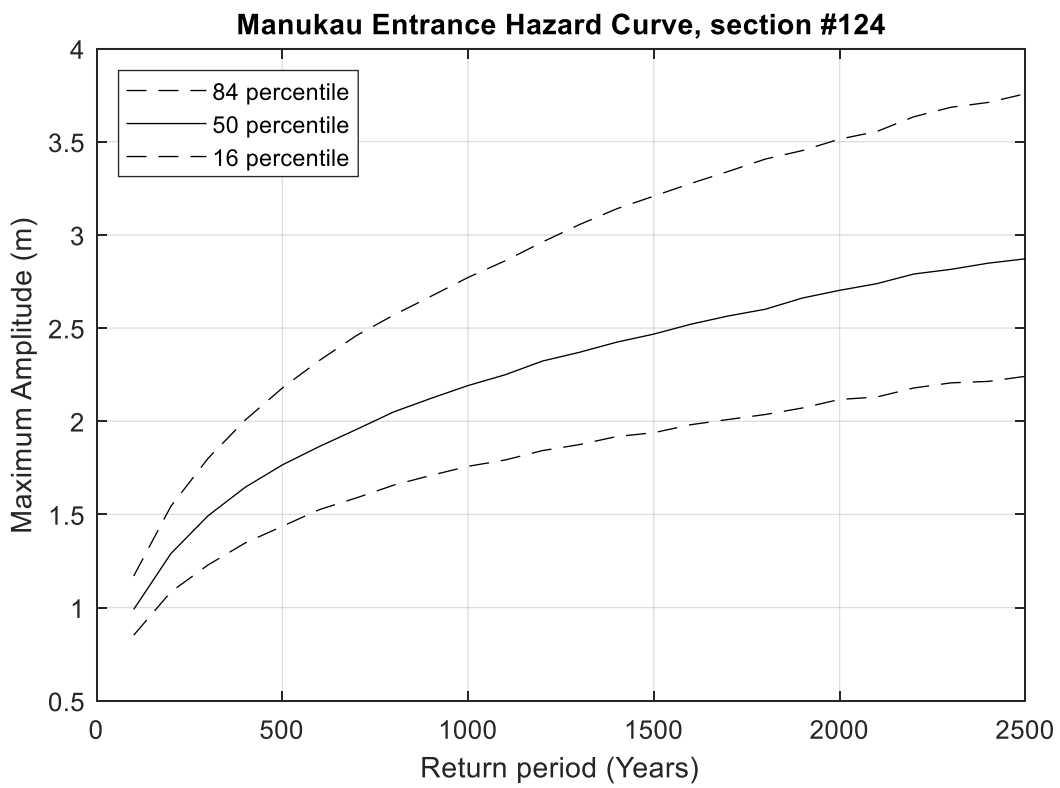
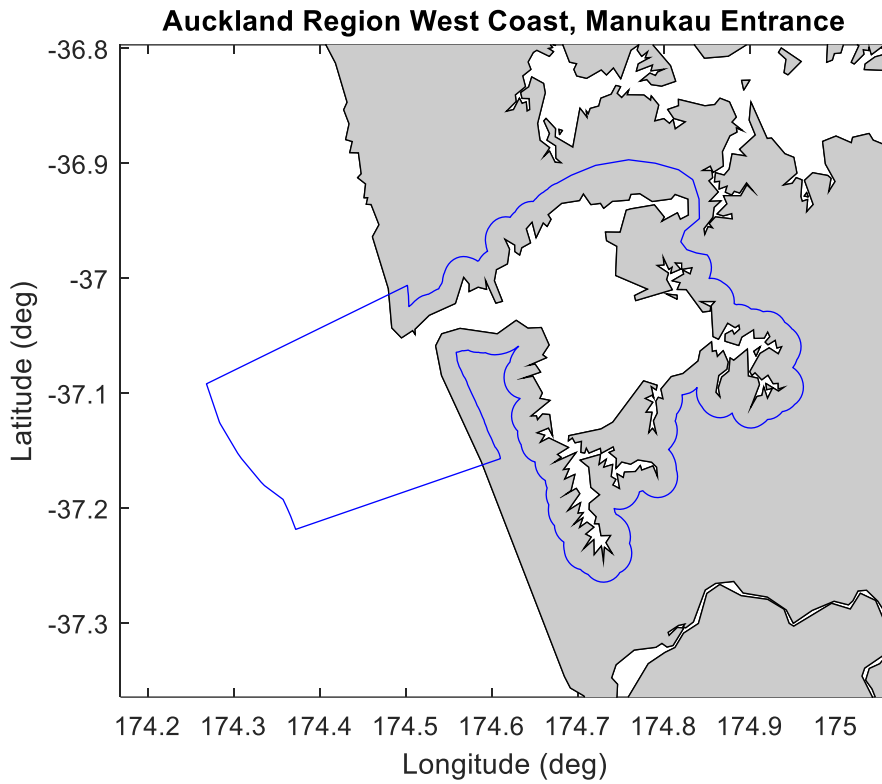
Deaggregation of Section:123, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.04 m



Deaggregation of Section:123, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.24 m

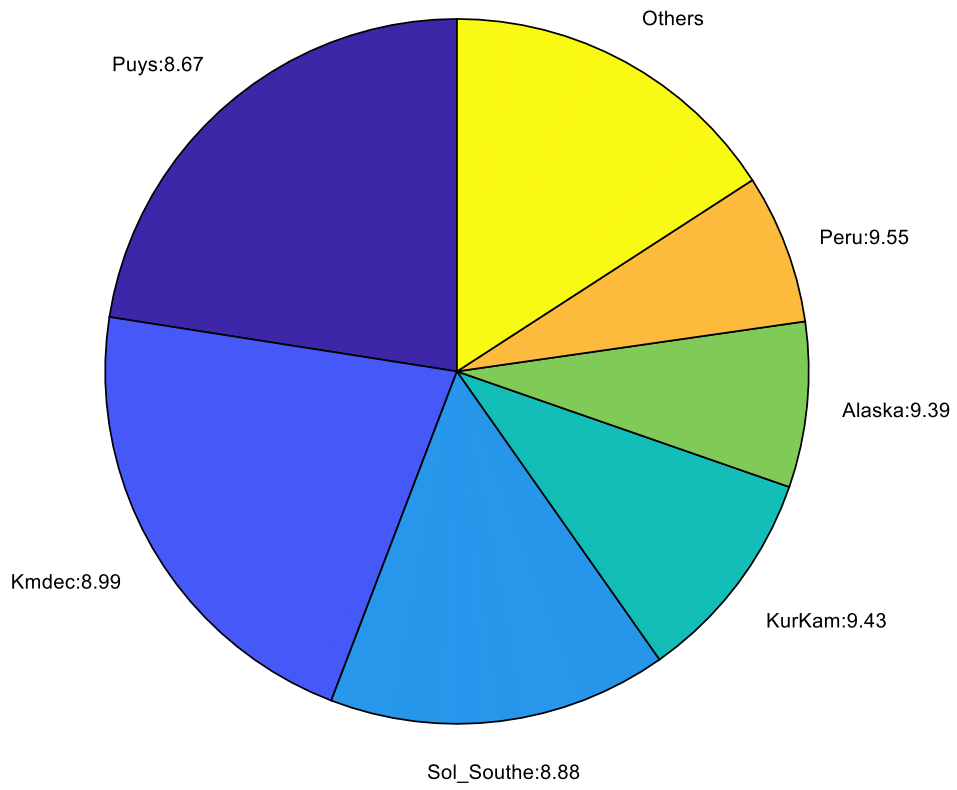


### A1.124 Coastal Section 124: Manukau Entrance

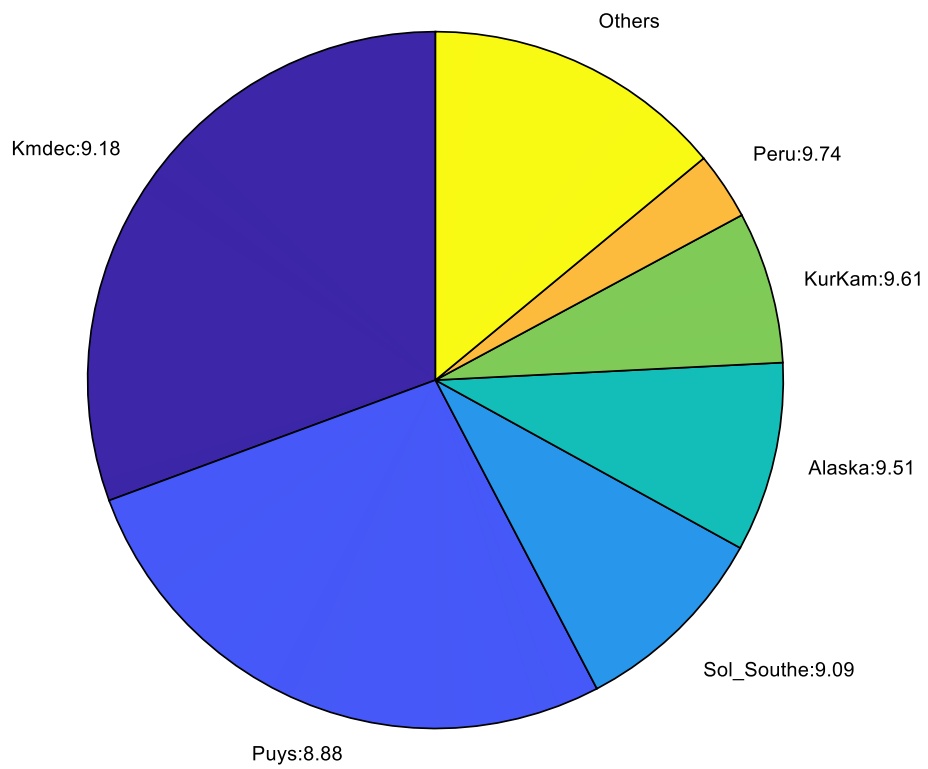




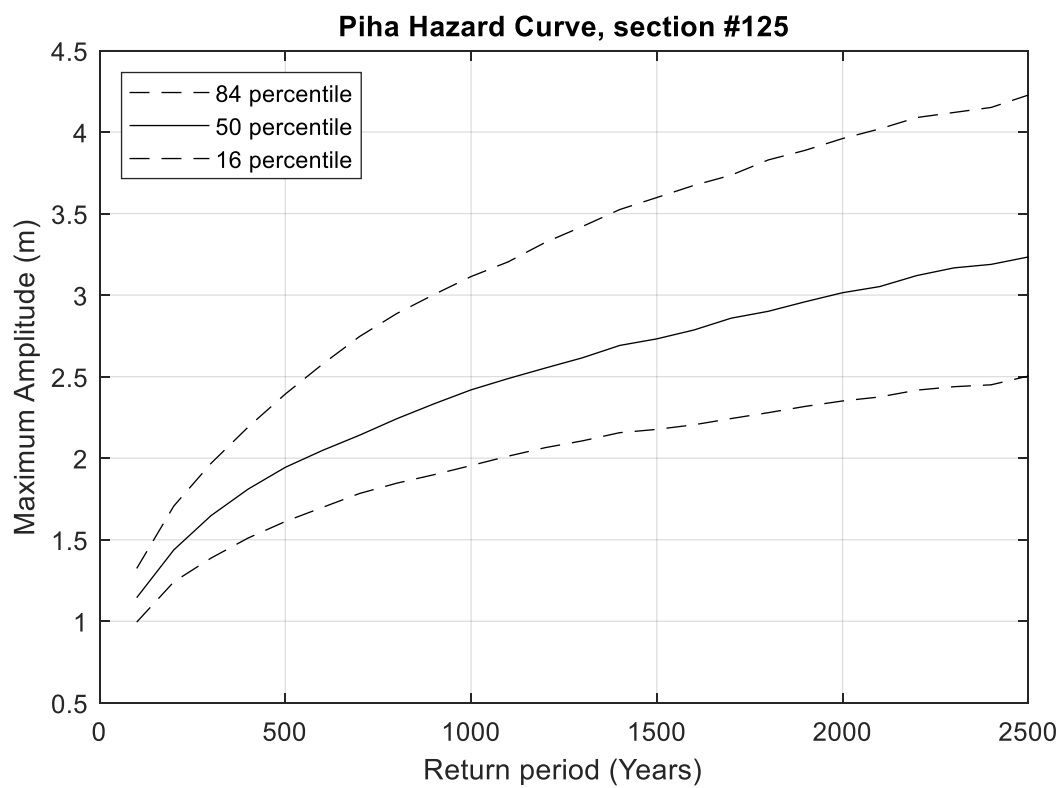
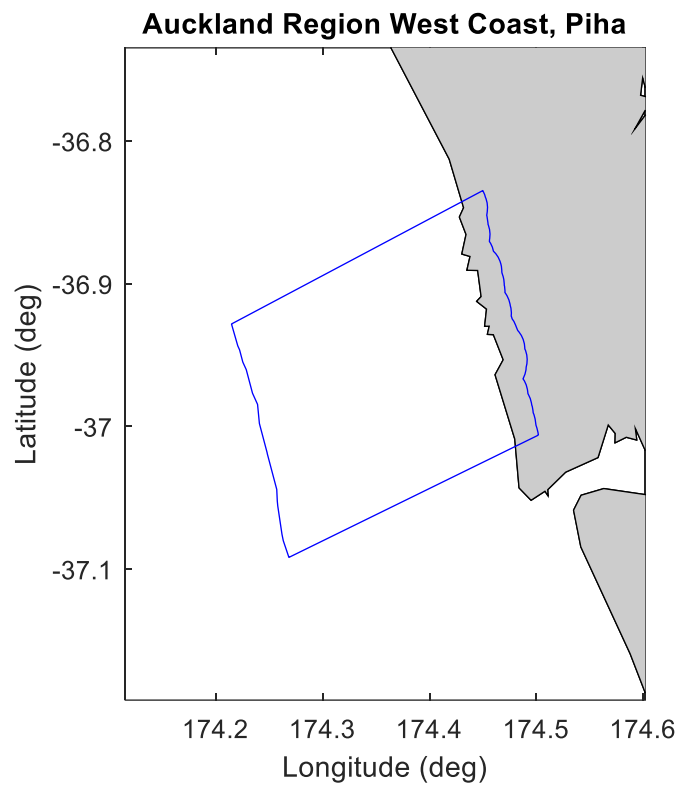
Deaggregation of Section:124, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:1.77 m



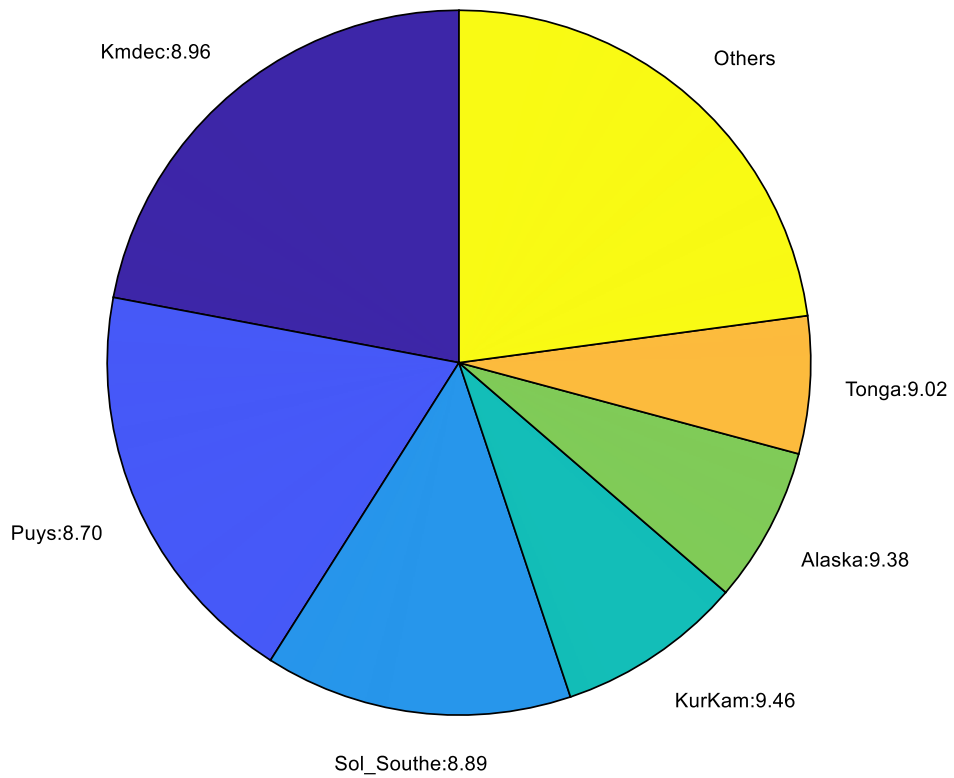
Deaggregation of Section:124, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.87 m



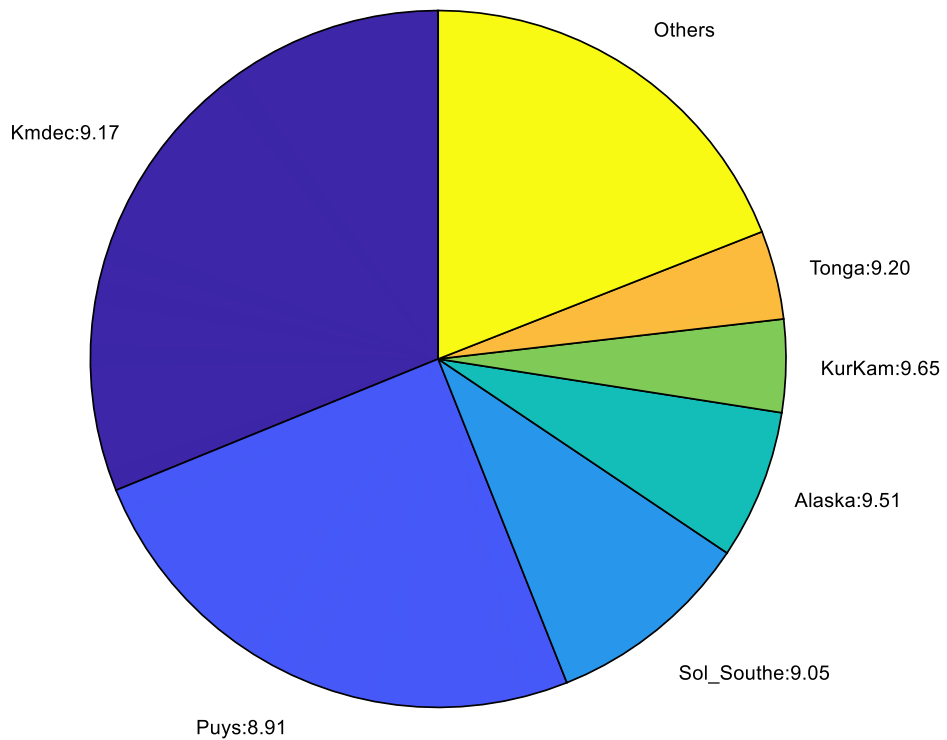
## A1.125 Coastal Section 125: Piha



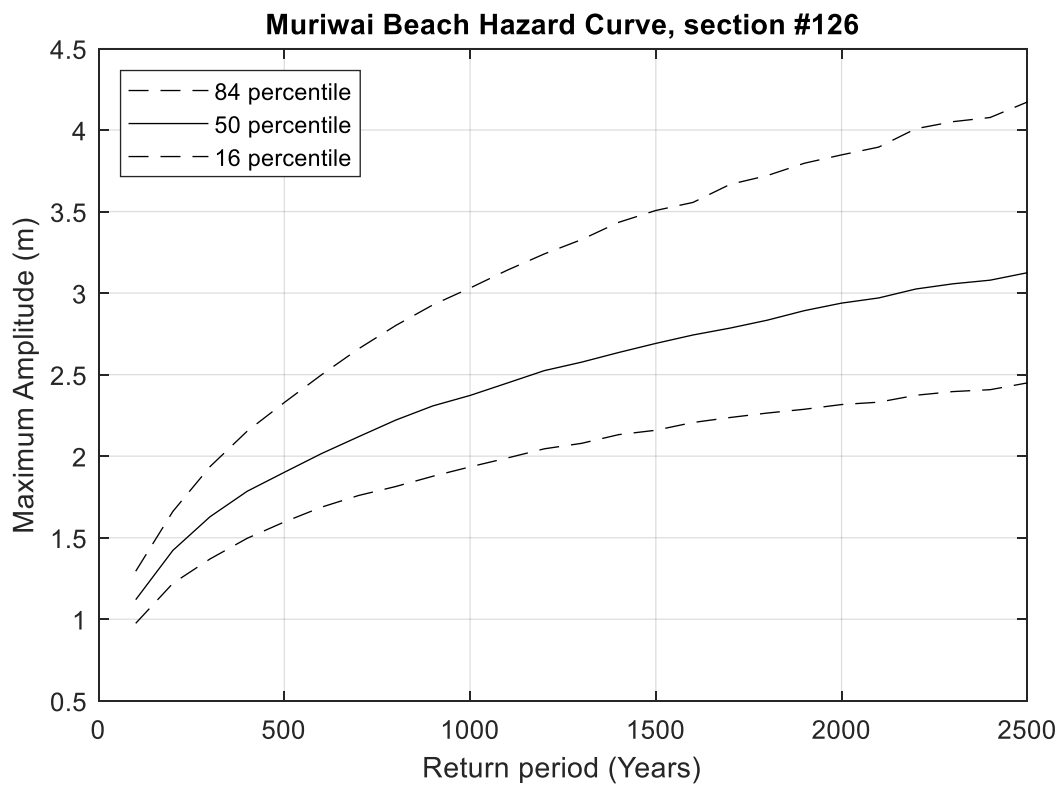
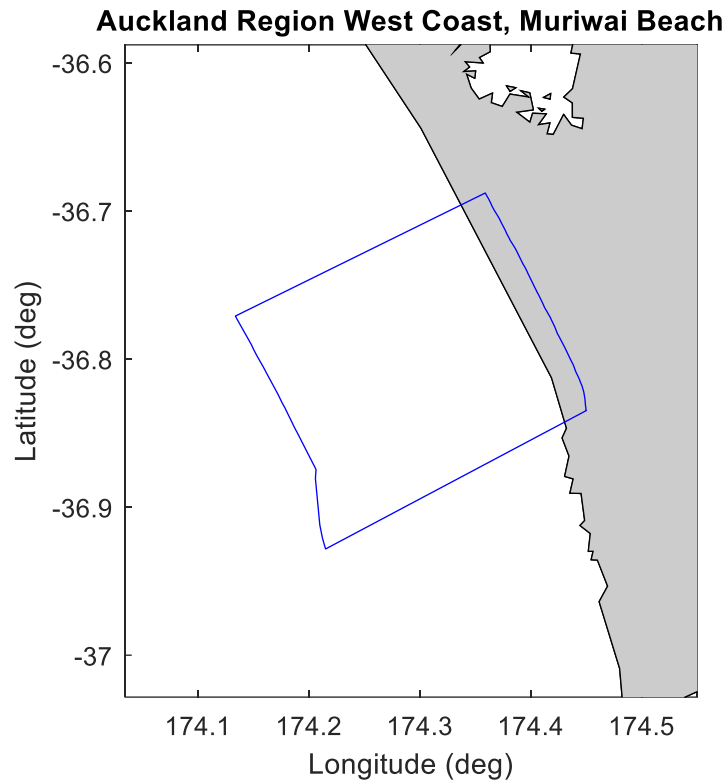
Deaggregation of Section:125, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:1.94 m



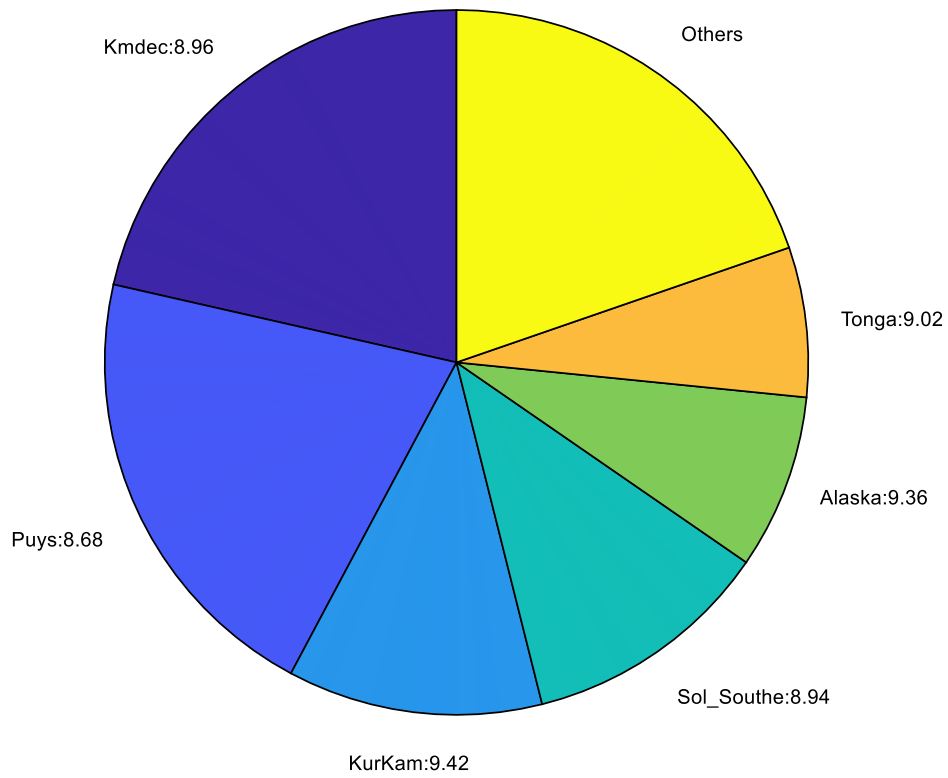
Deaggregation of Section:125, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.23 m



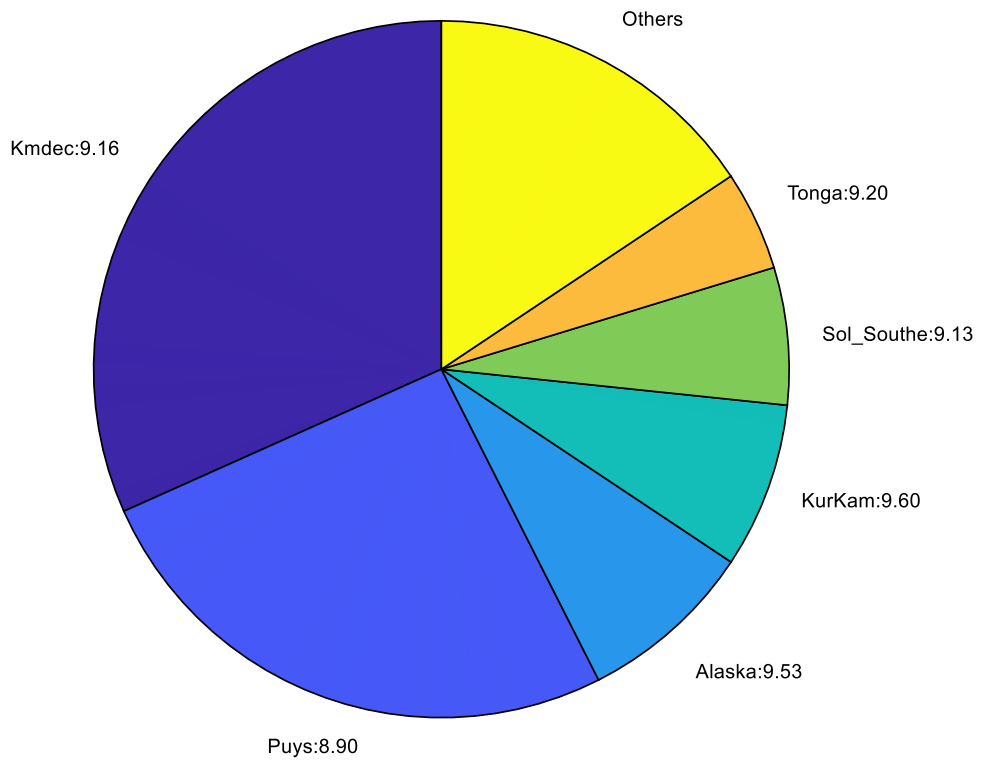
## A1.126 Coastal Section 126: Muriwai Beach



Deaggregation of Section:126, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:1.90 m

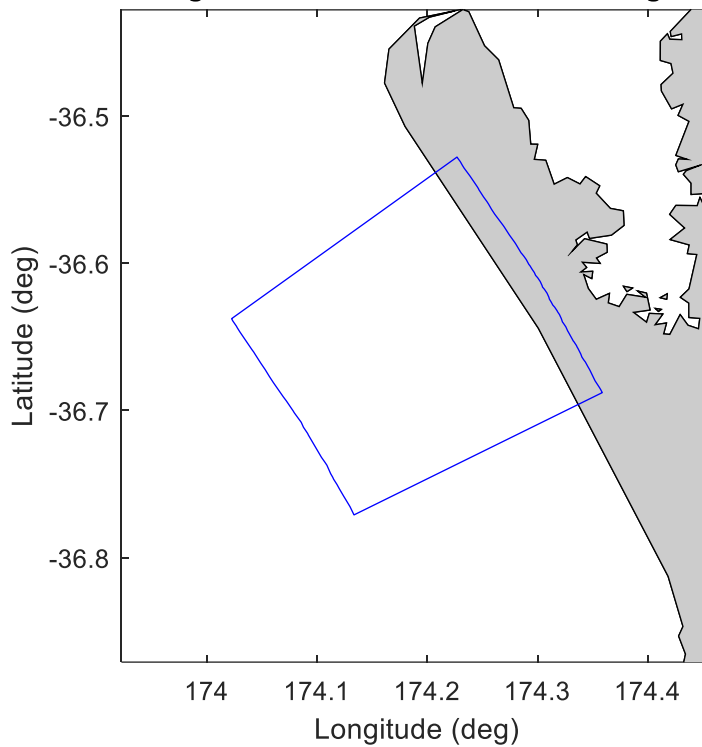


Deaggregation of Section:126, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.12 m

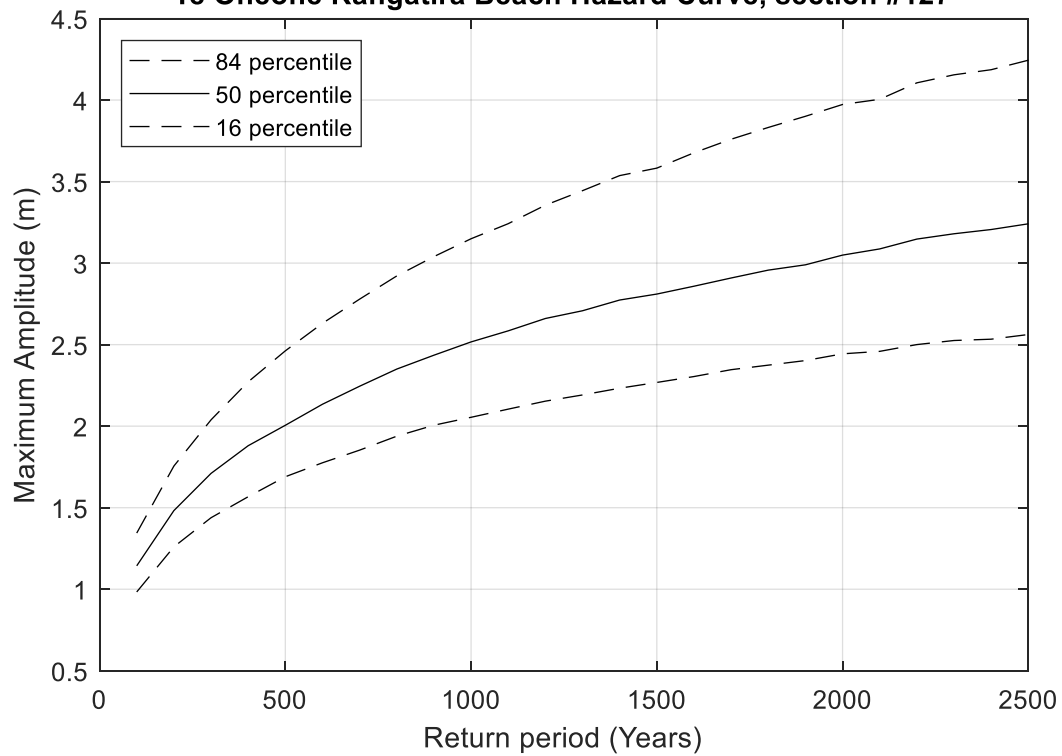


## A1.127 Coastal Section 127: Te Oneone Rangatira Beach

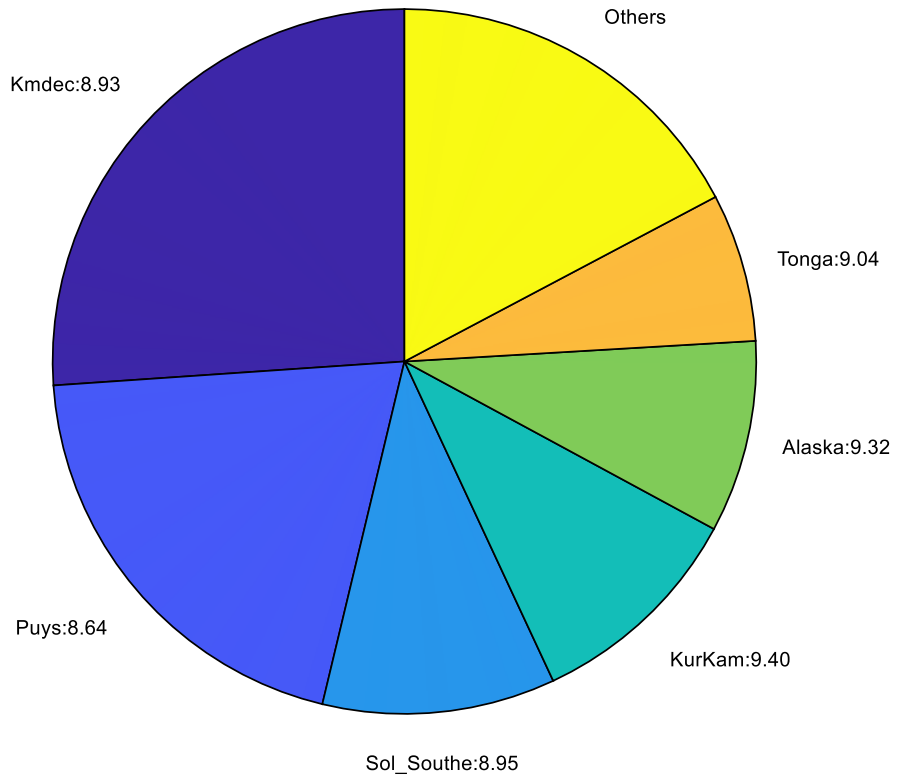
### Auckland Region West Coast, Te Oneone Rangatira Beach



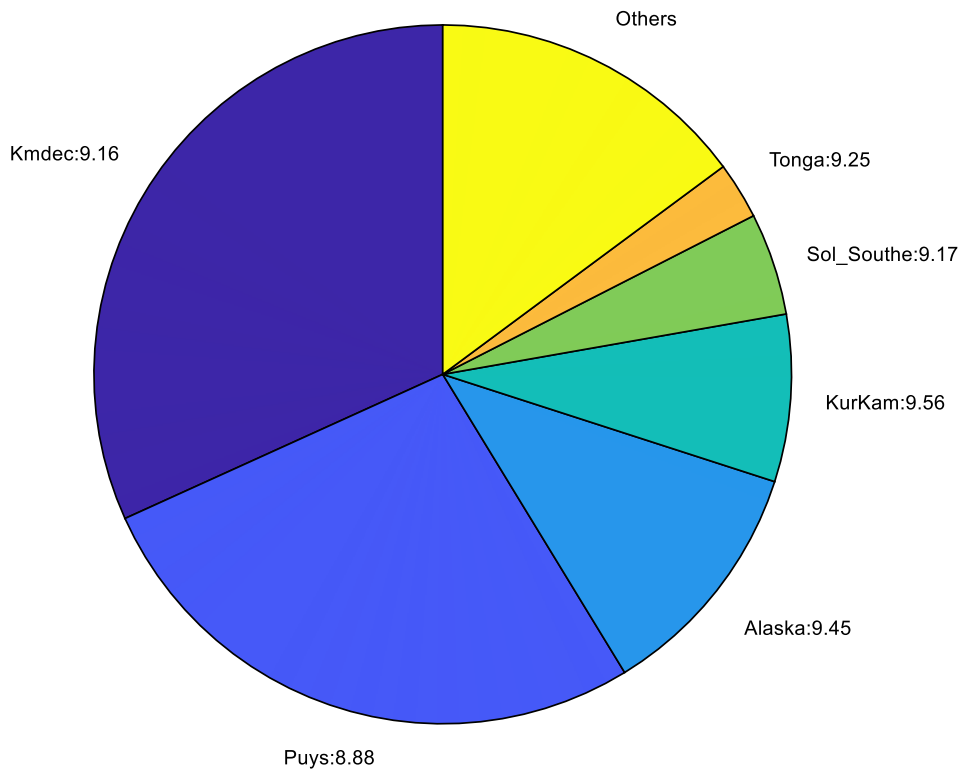
### Te Oneone Rangatira Beach Hazard Curve, section #127



Deaggregation of Section:127, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.01 m

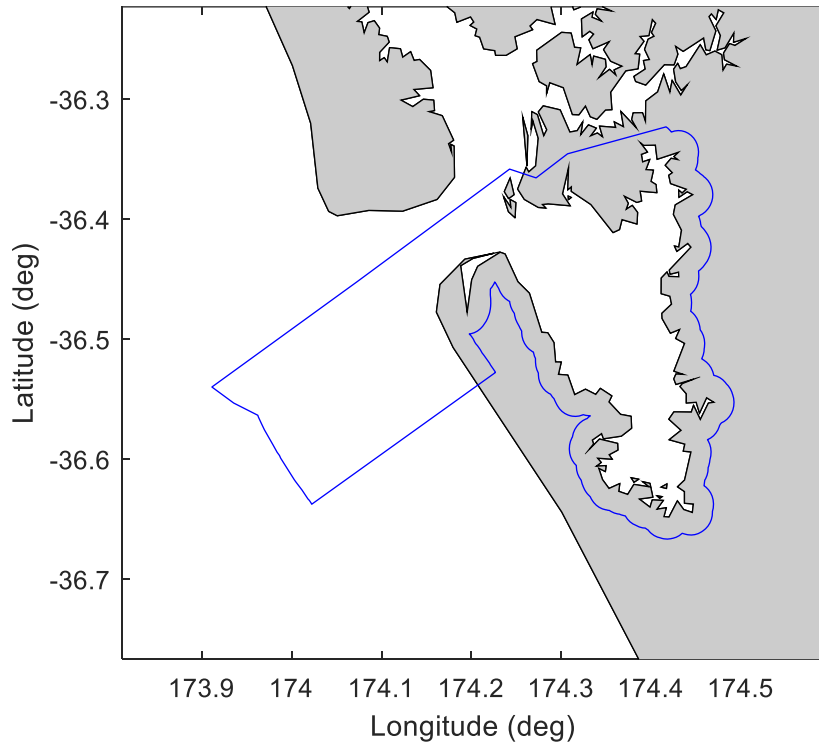


Deaggregation of Section:127, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.24 m

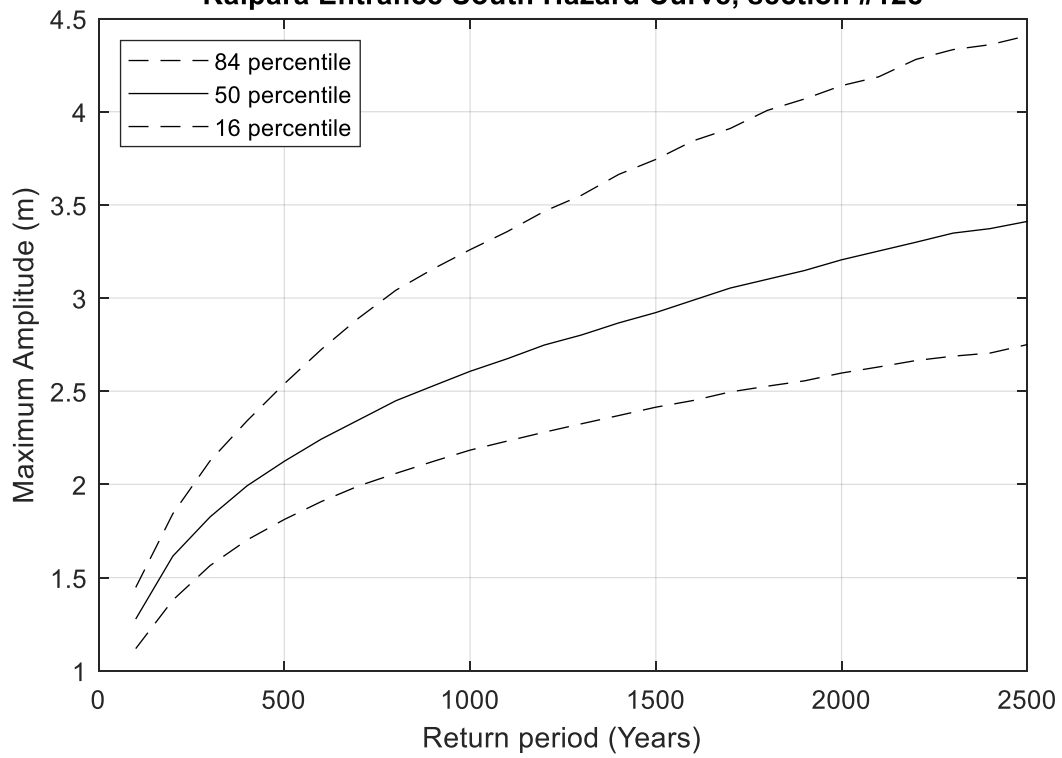


## A1.128 Coastal Section 128: Kaipara Entrance South

### Auckland Region West Coast, Kaipara Entrance South

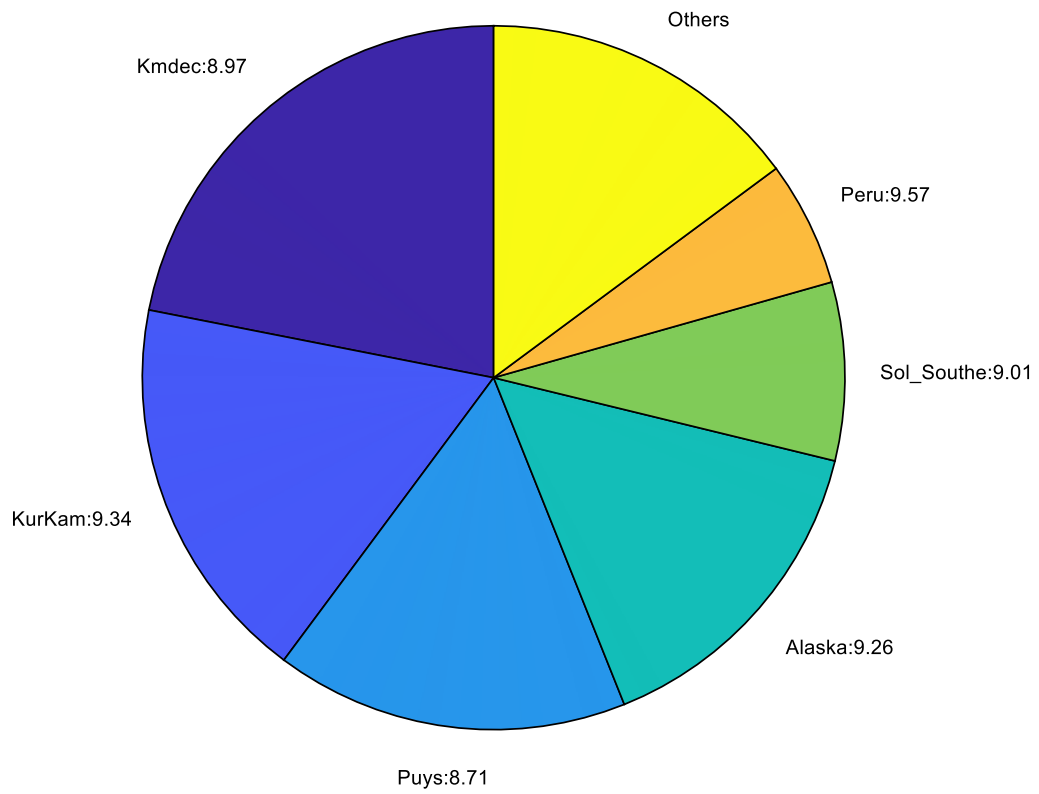


### Kaipara Entrance South Hazard Curve, section #128

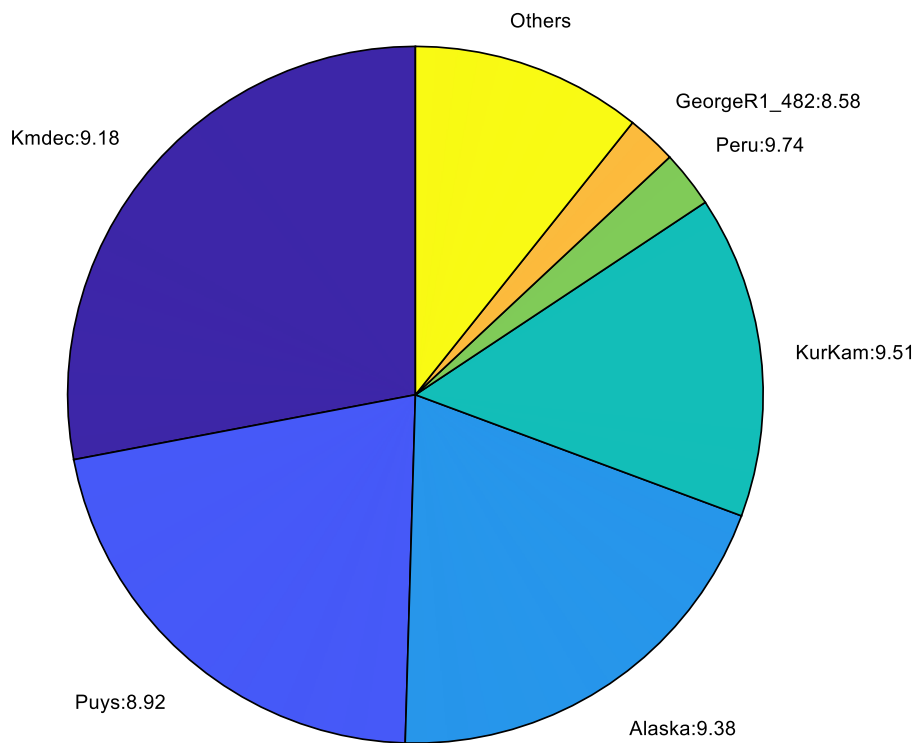




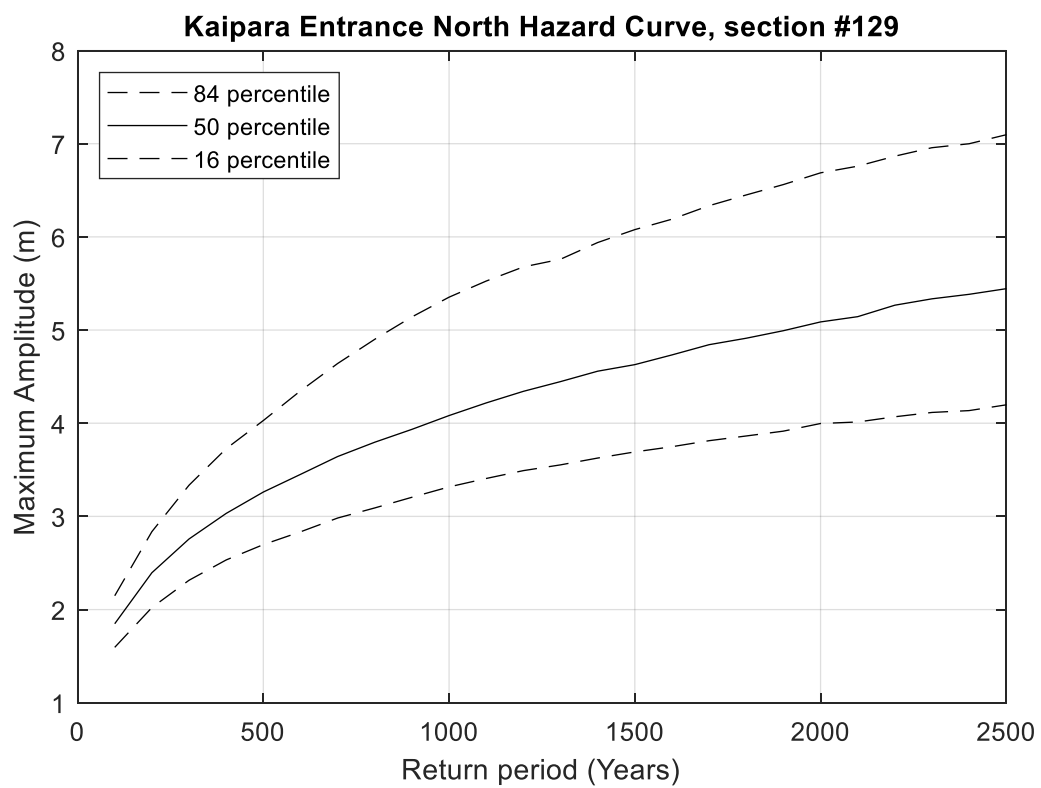
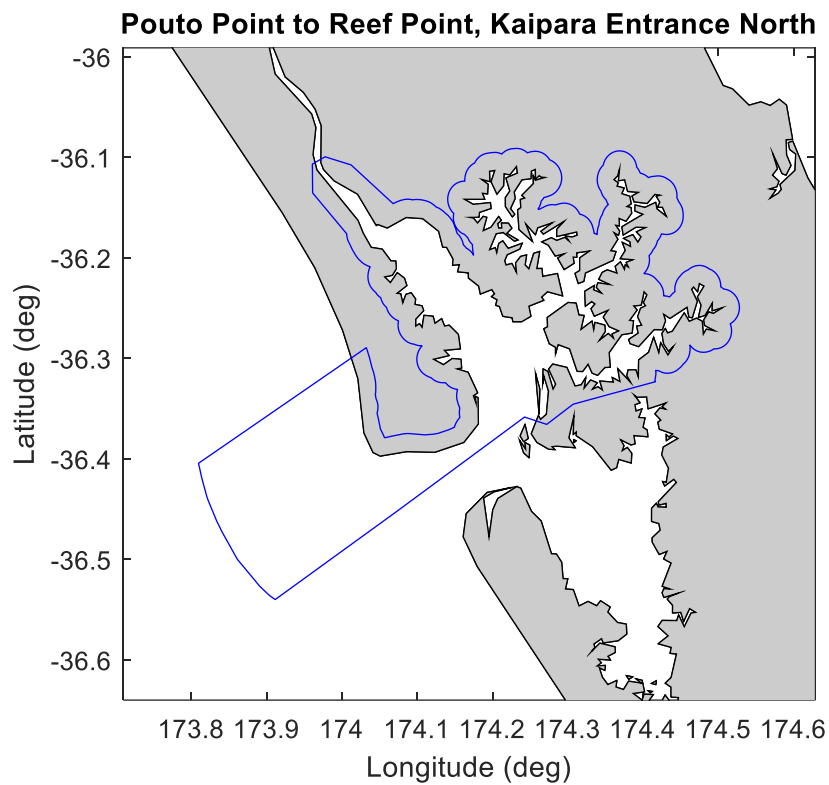
Deaggregation of Section:128, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.12 m



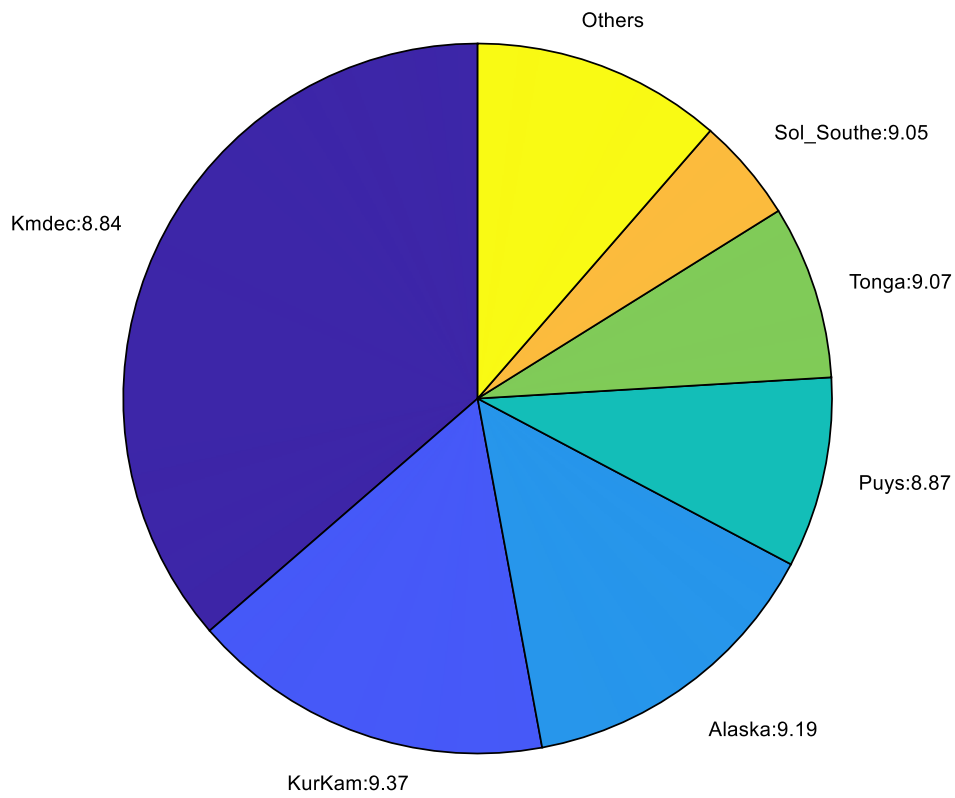
Deaggregation of Section:128, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.41 m



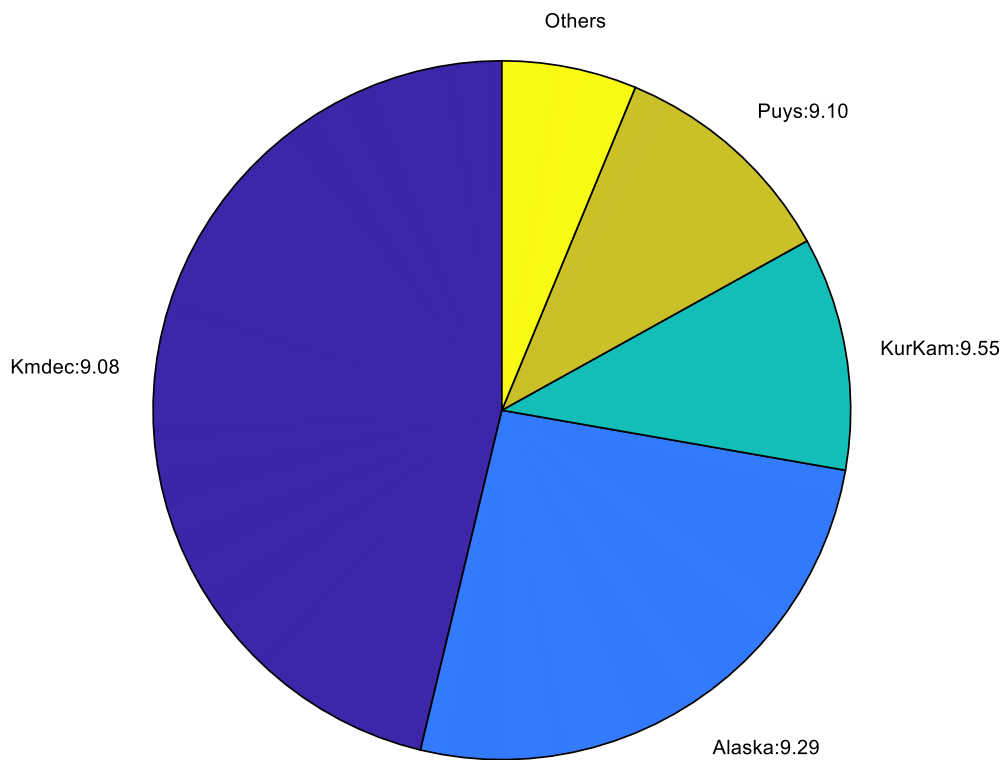
## A1.129 Coastal Section 129: Kaipara Entrance North



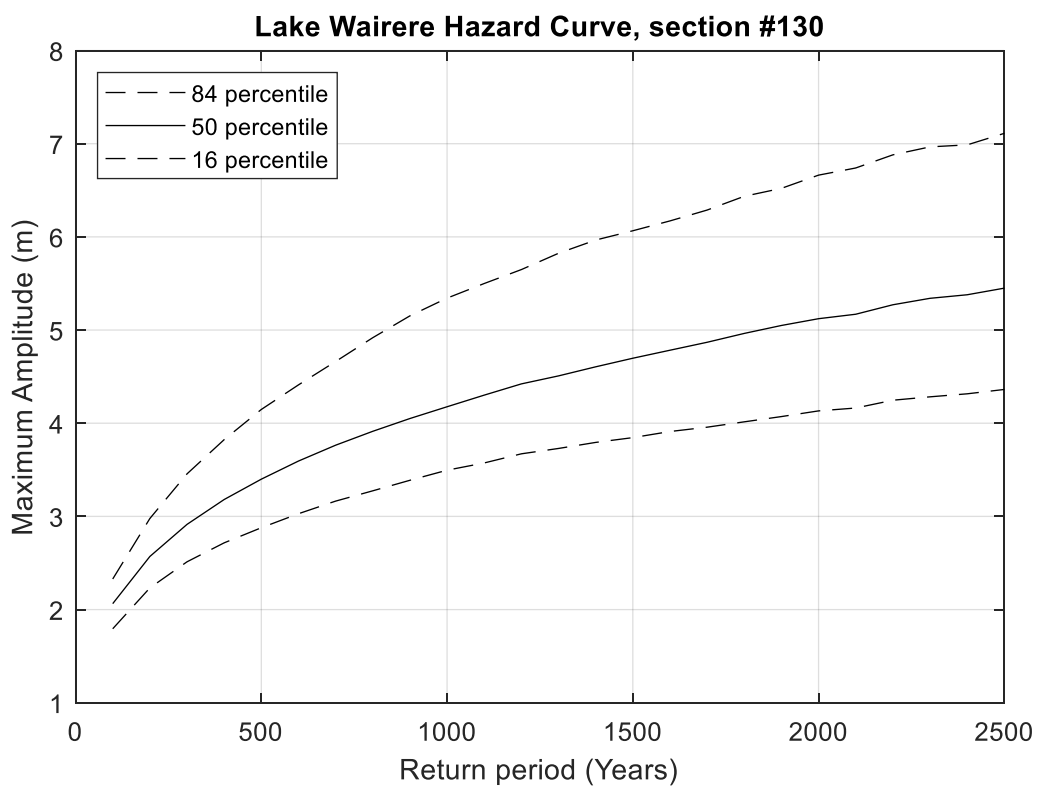
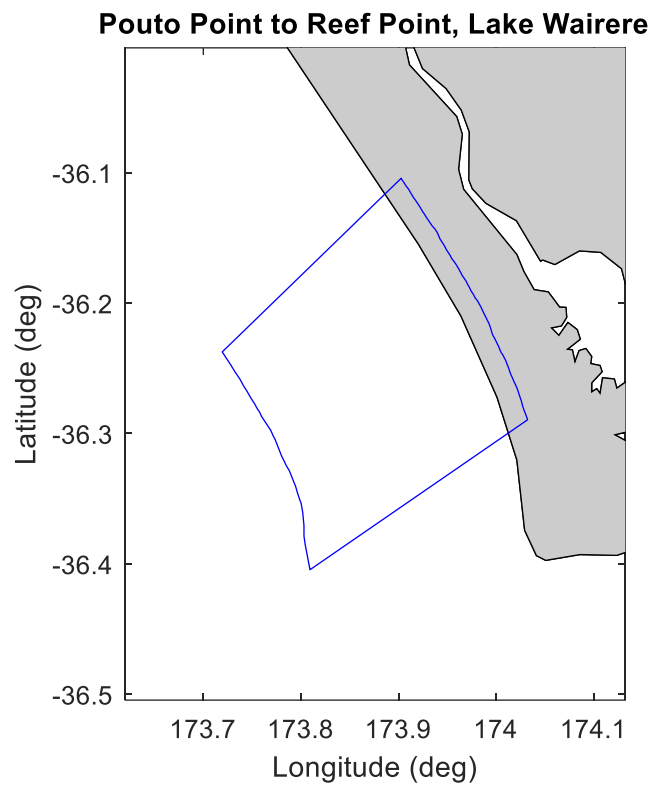
Deaggregation of Section:129, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.26 m



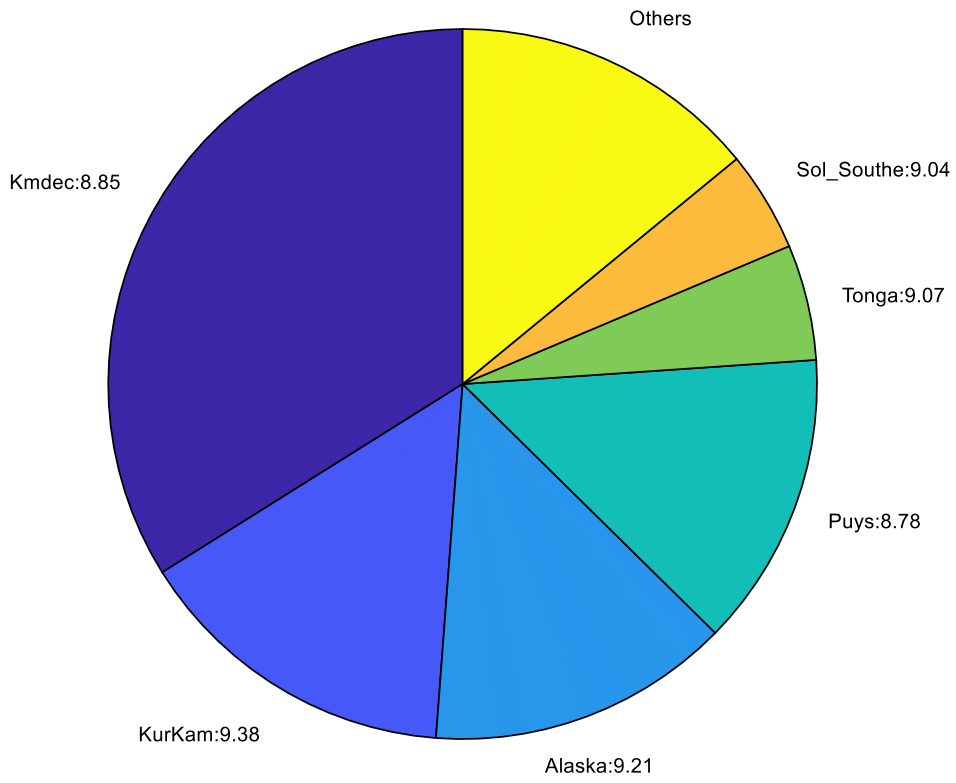
Deaggregation of Section:129, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.44 m



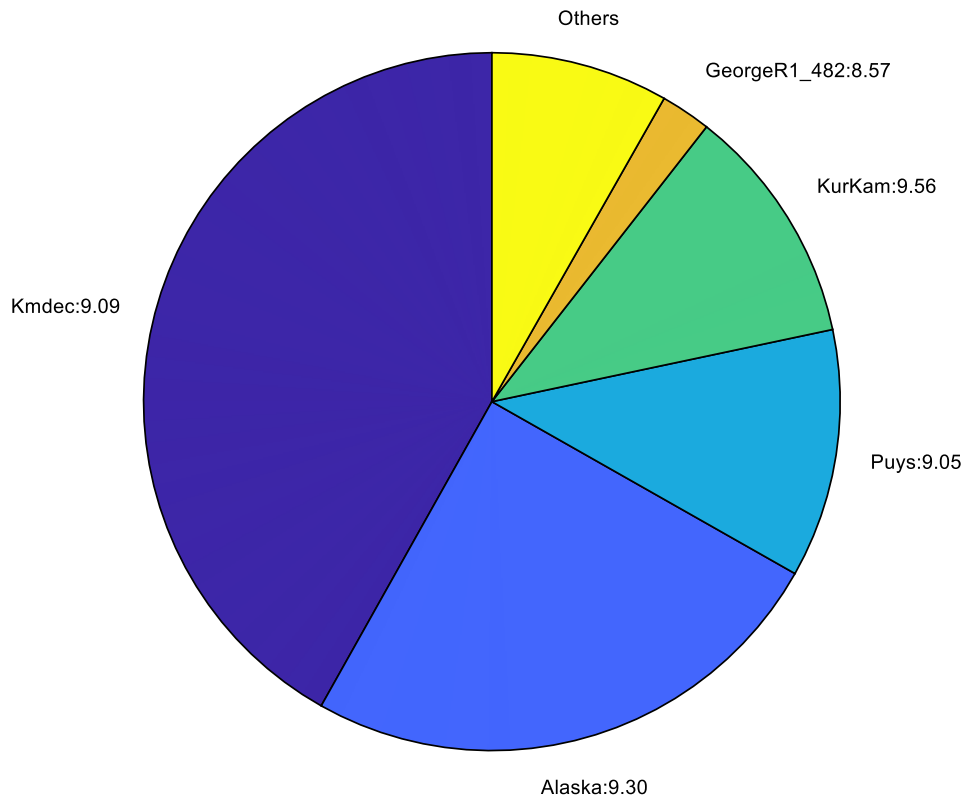
### A1.130 Coastal Section 130: Lake Wairere



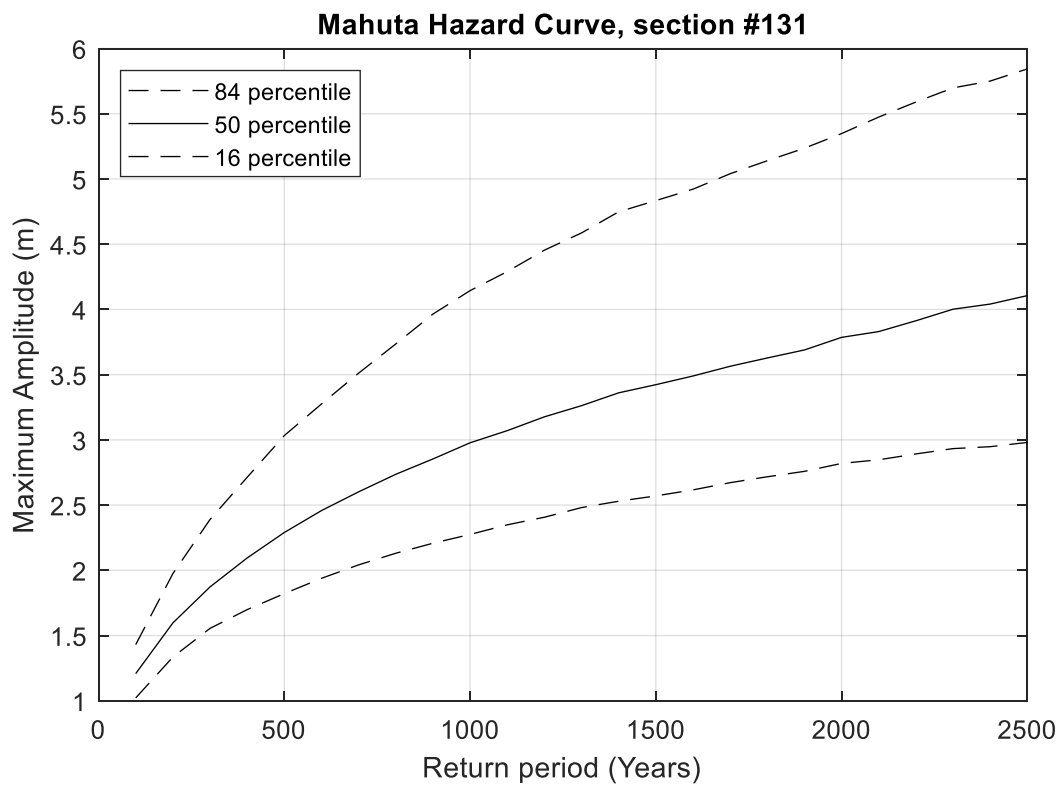
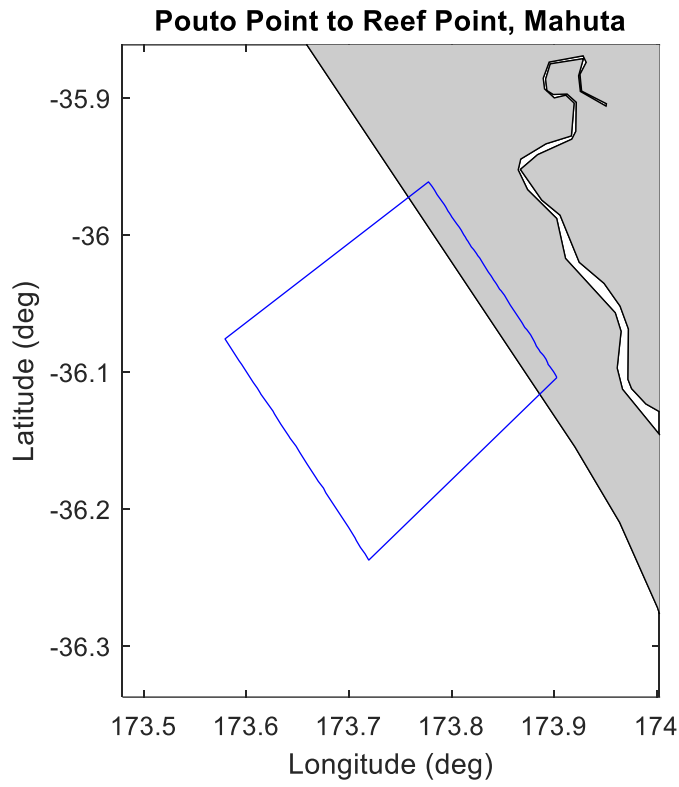
Deaggregation of Section:130, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.40 m



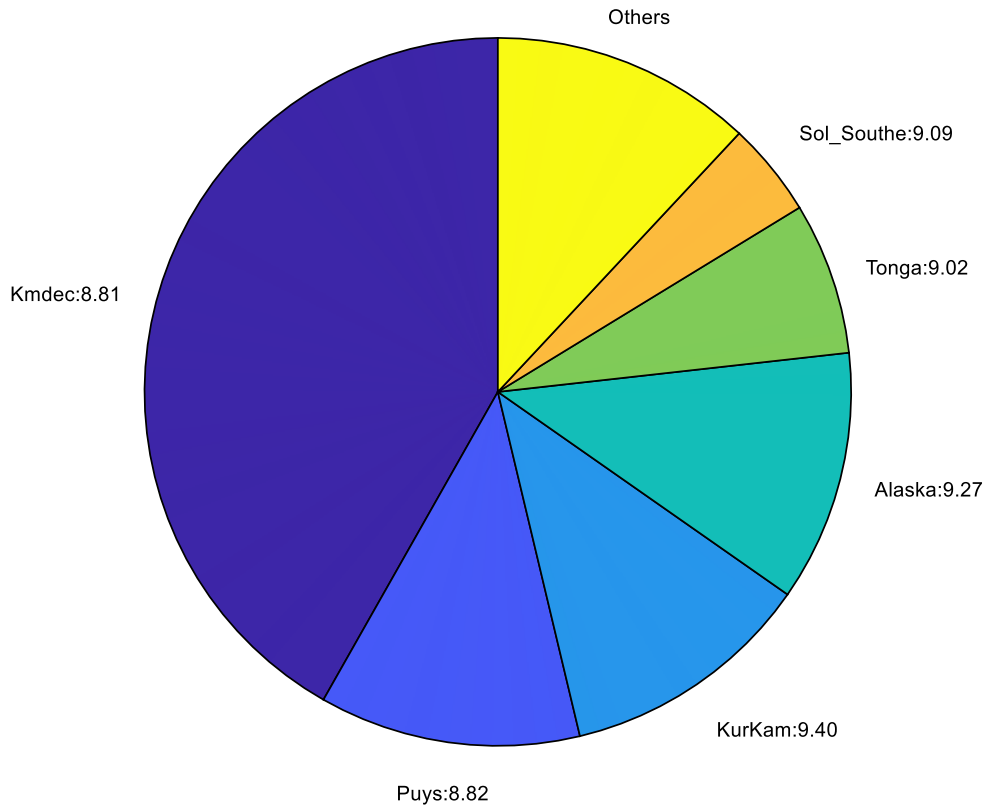
Deaggregation of Section:130, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.45 m



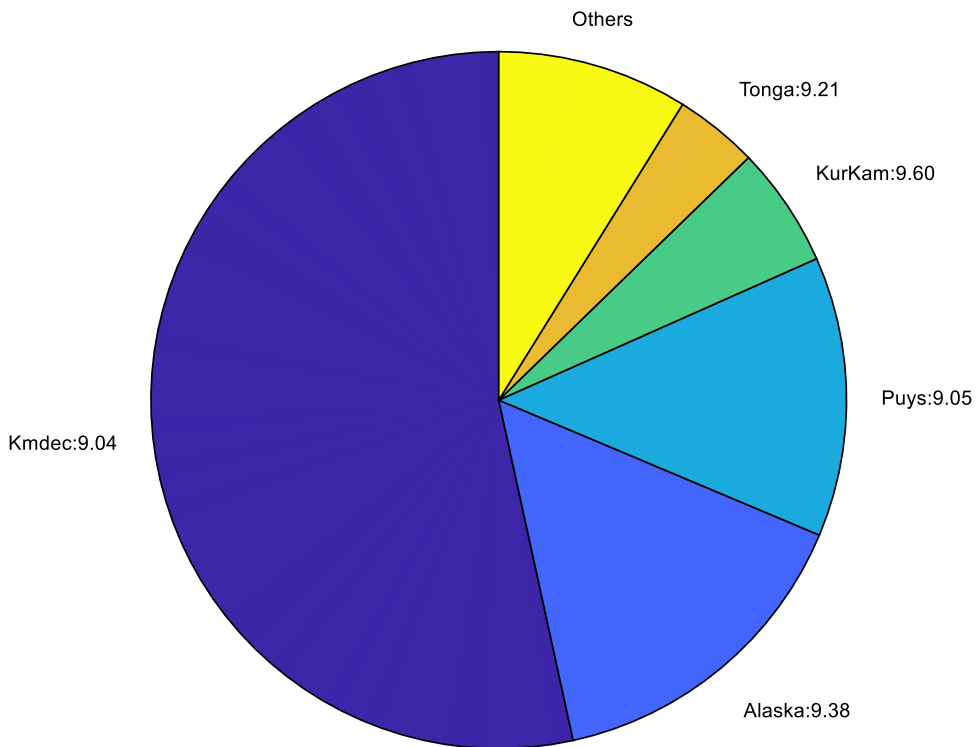
### A1.131 Coastal Section 131: Mahuta



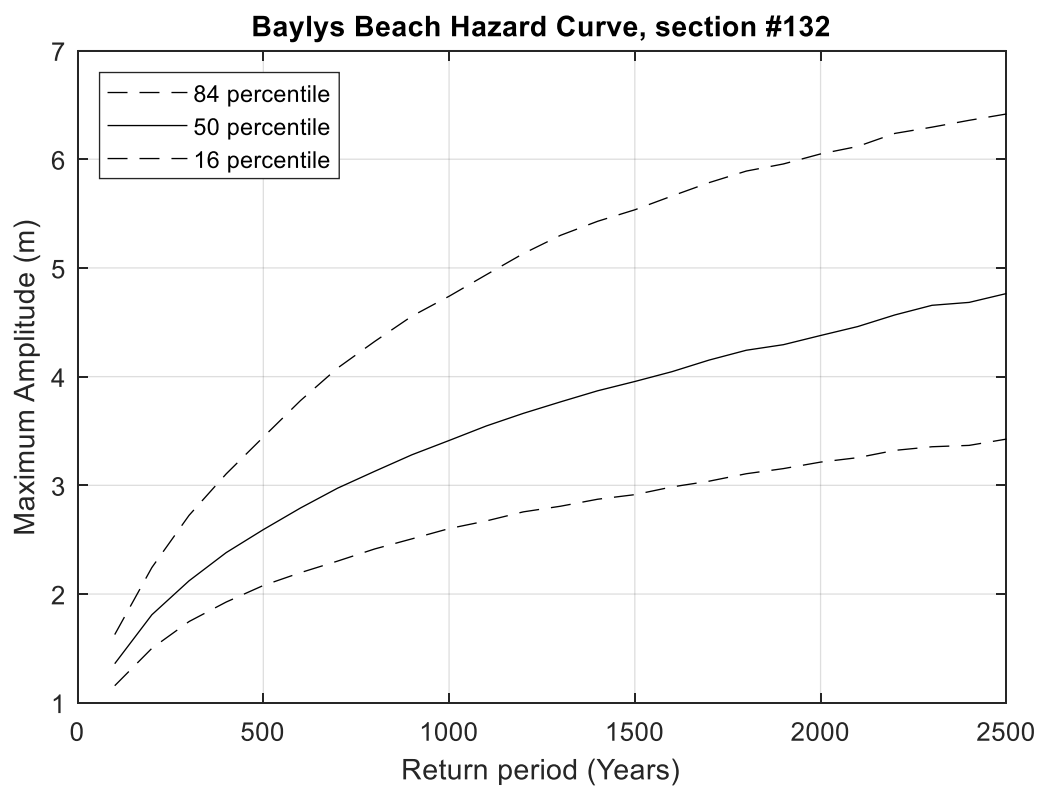
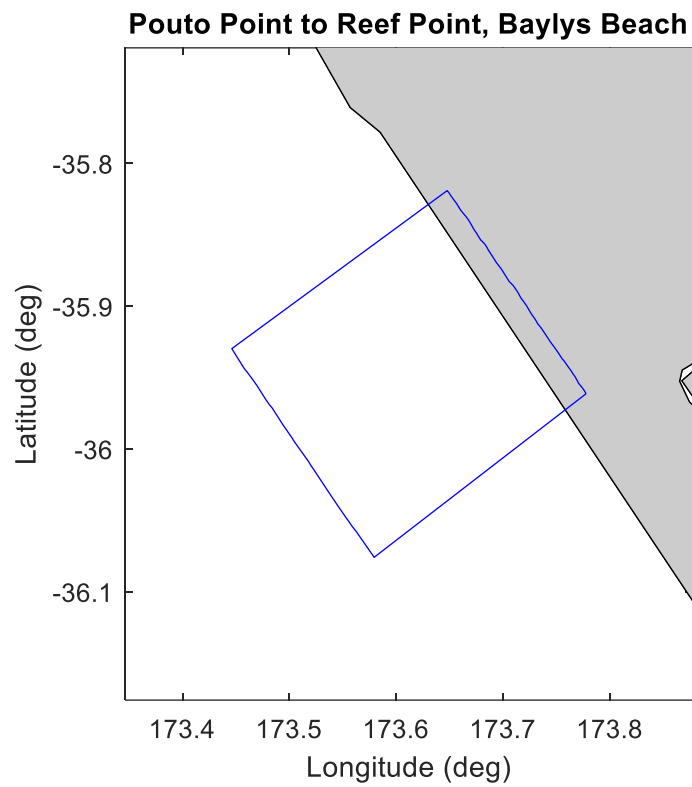
Deaggregation of Section:131, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.29 m



Deaggregation of Section:131, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.11 m

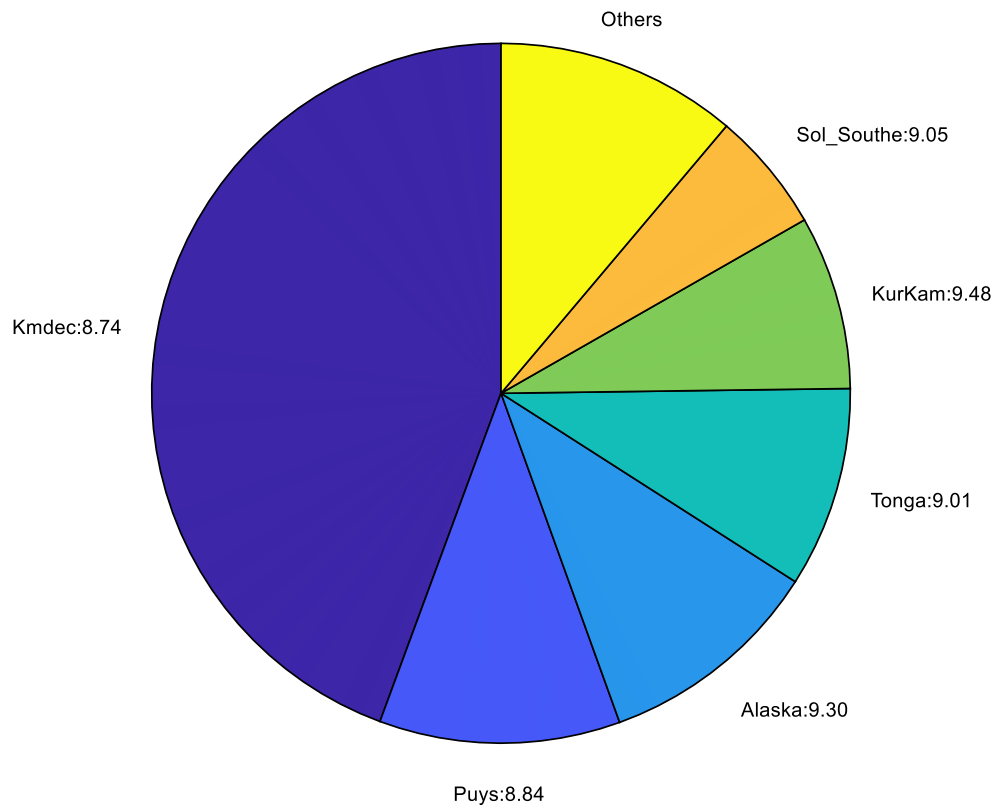


## A1.132 Coastal Section 132: Baylys Beach

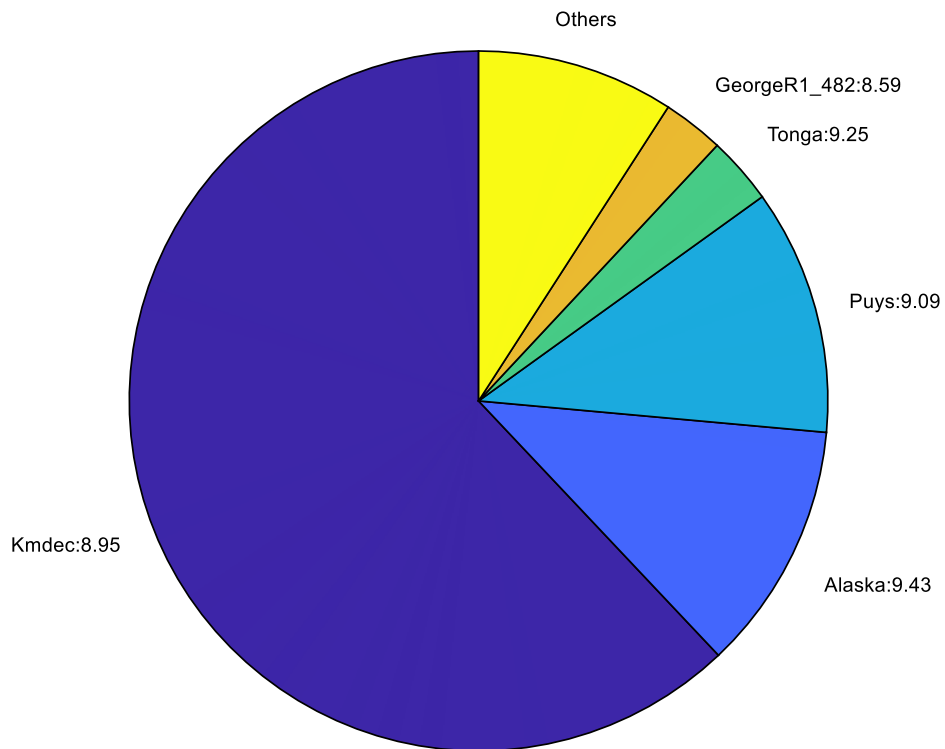




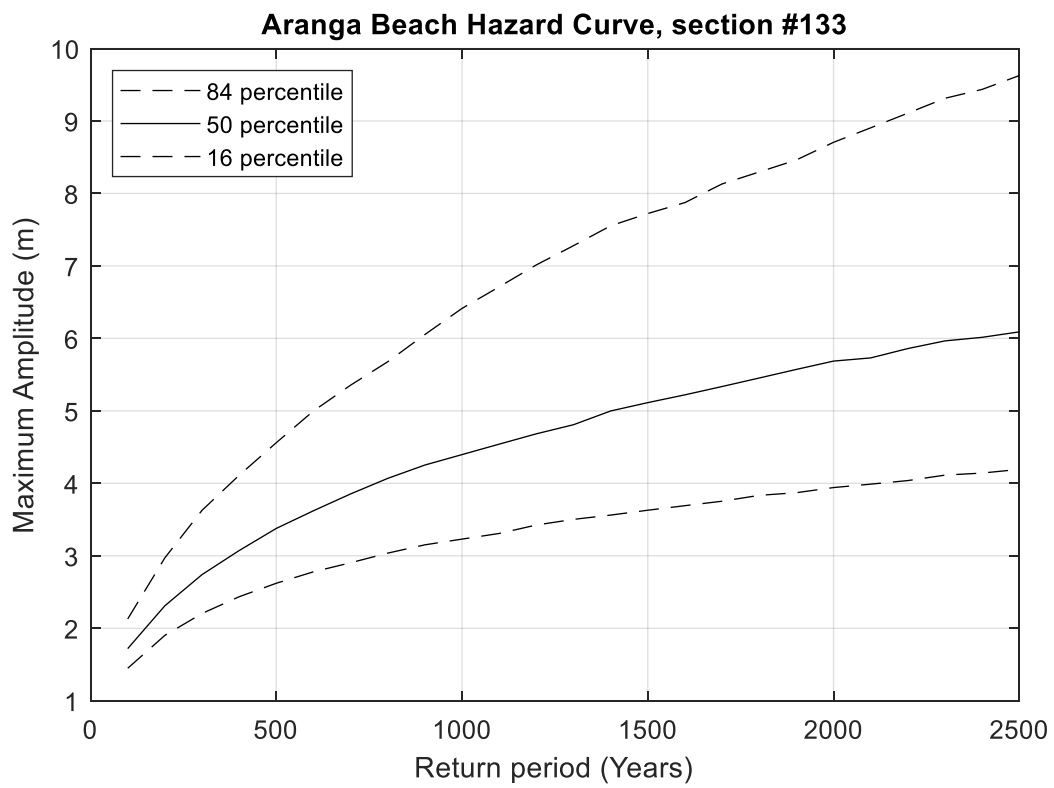
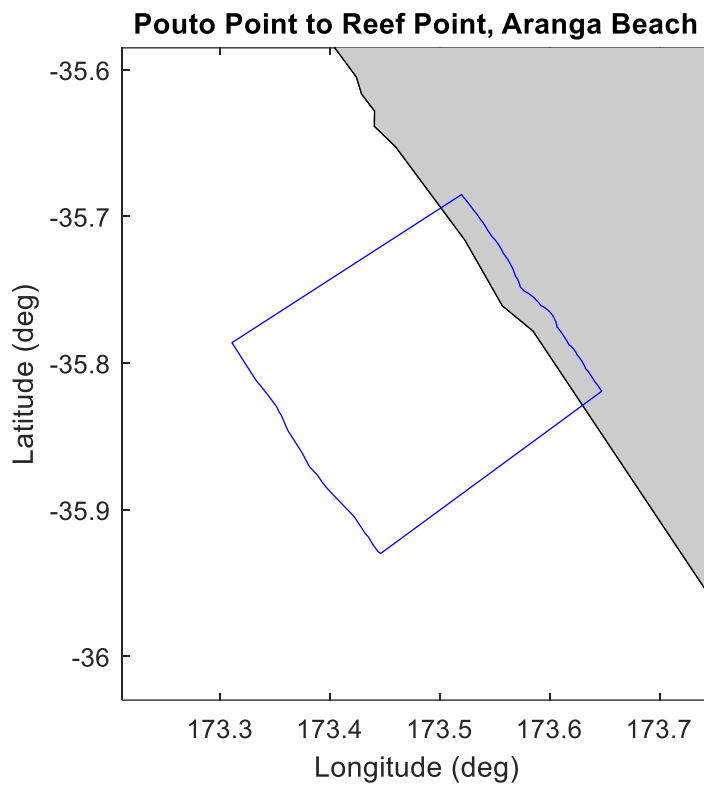
Deaggregation of Section:132, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.59 m



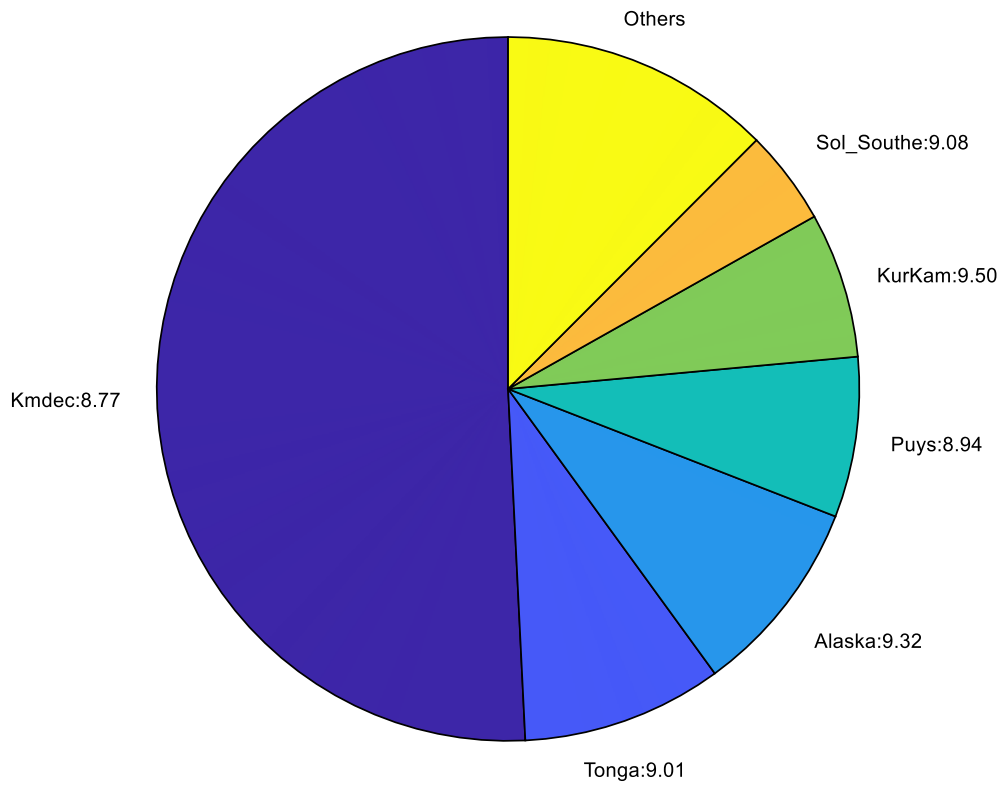
Deaggregation of Section:132, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.76 m



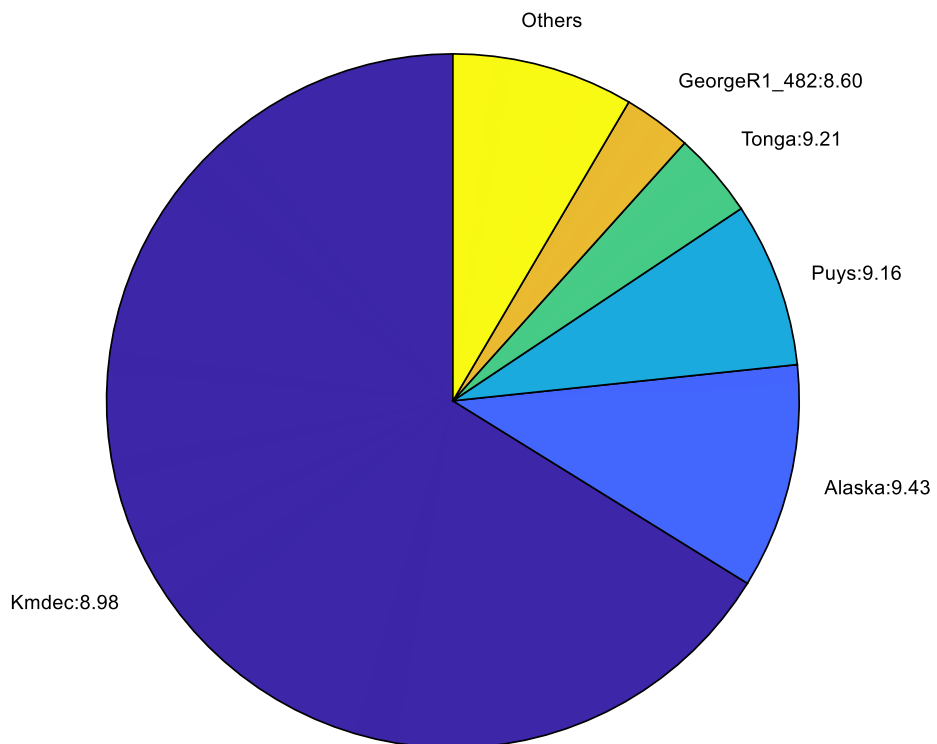
### A1.133 Coastal Section 133: Aranga Beach



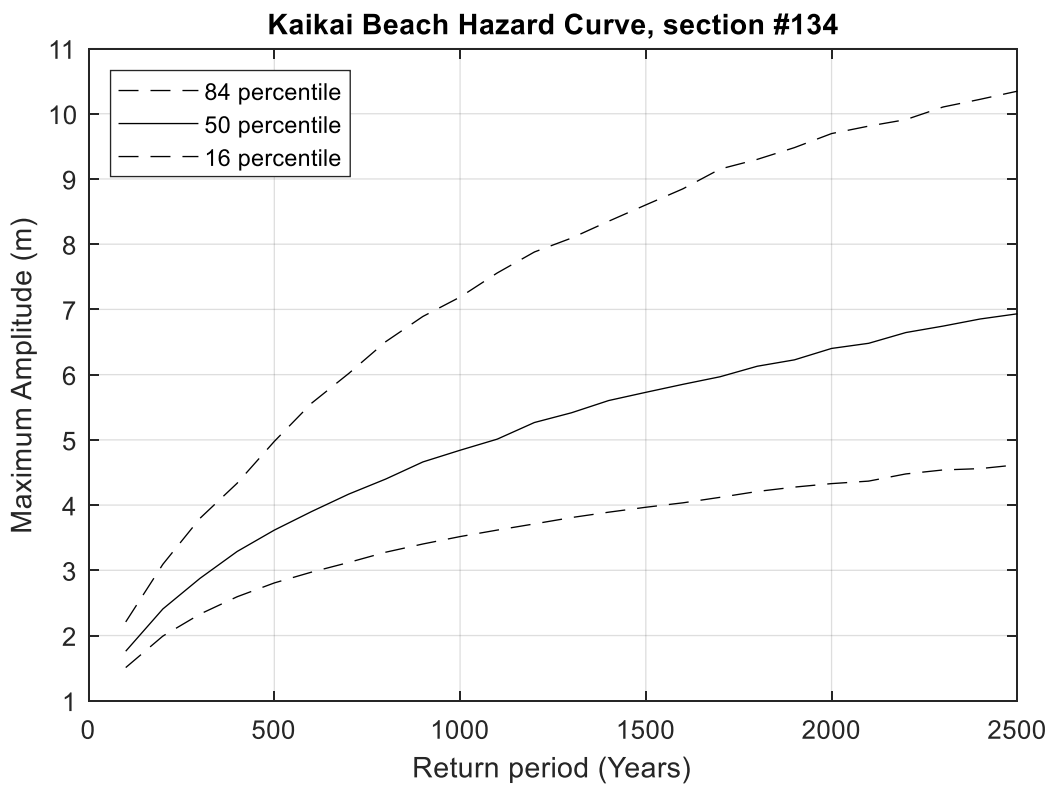
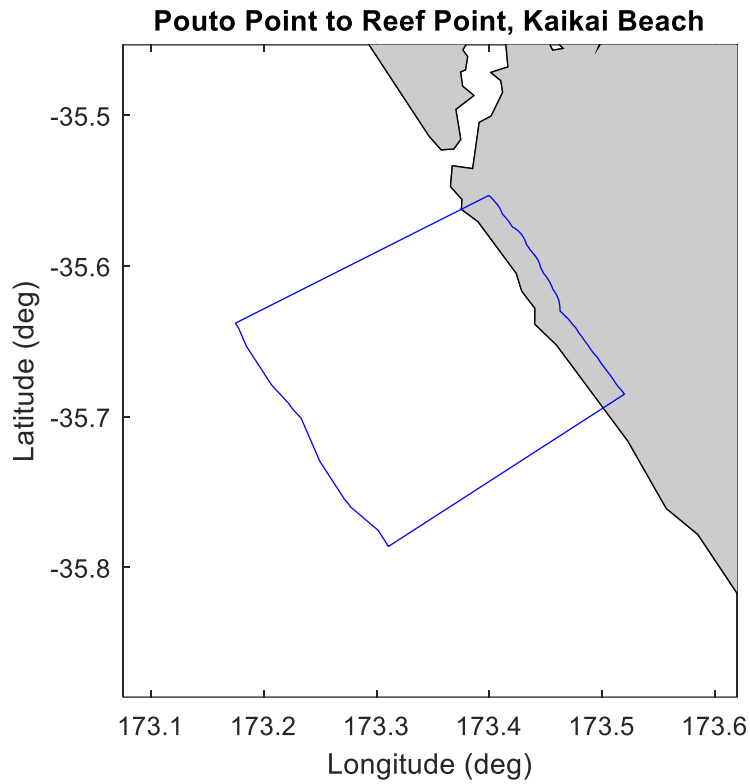
Deaggregation of Section:133, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.37 m



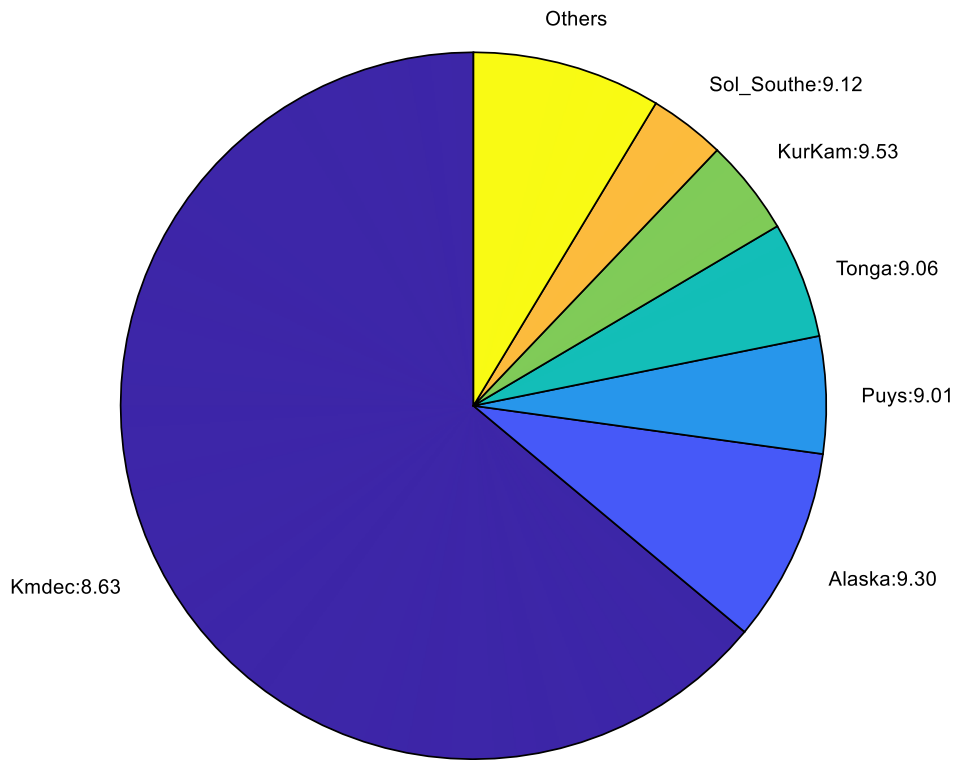
Deaggregation of Section:133, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.09 m



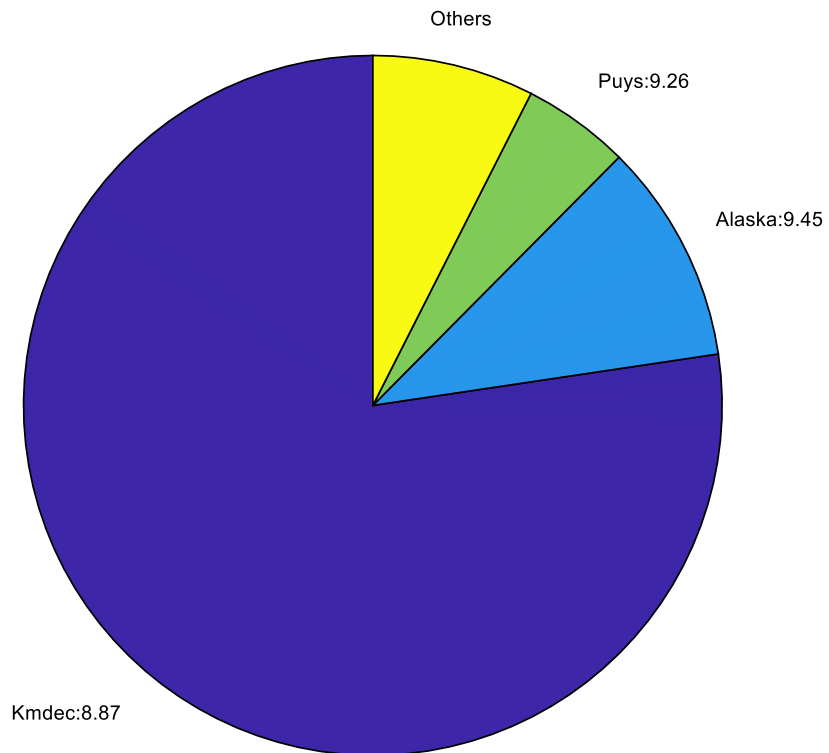
### A1.134 Coastal Section 134: Kaikai Beach



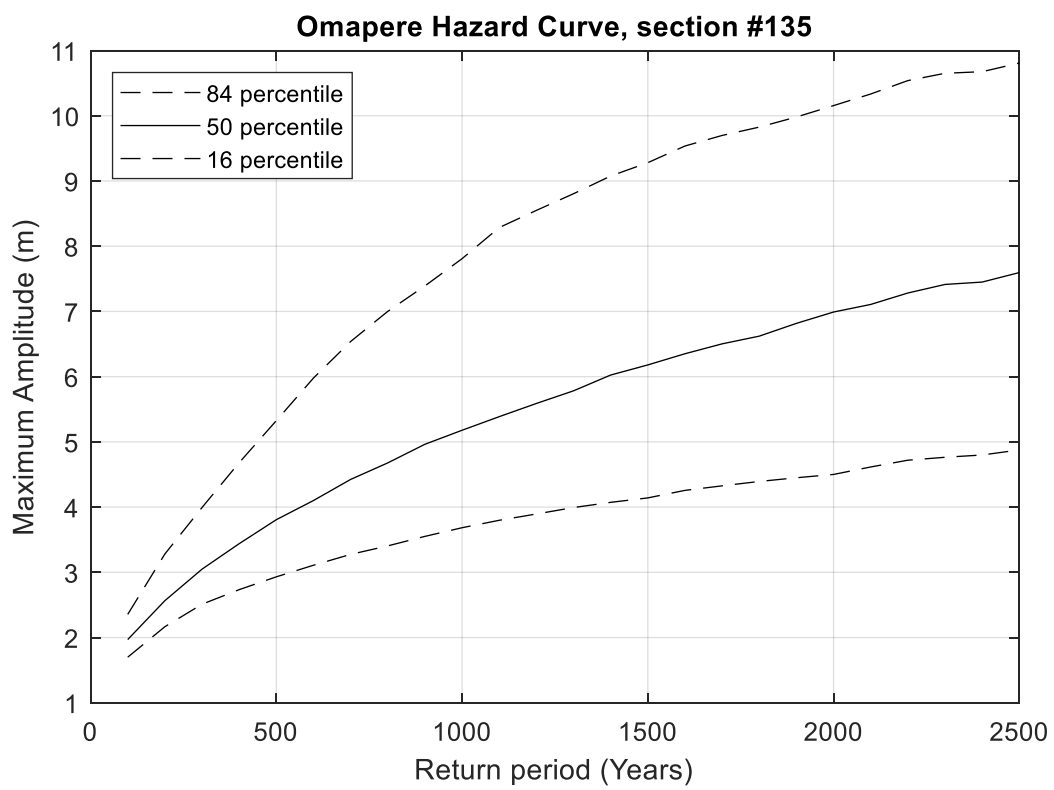
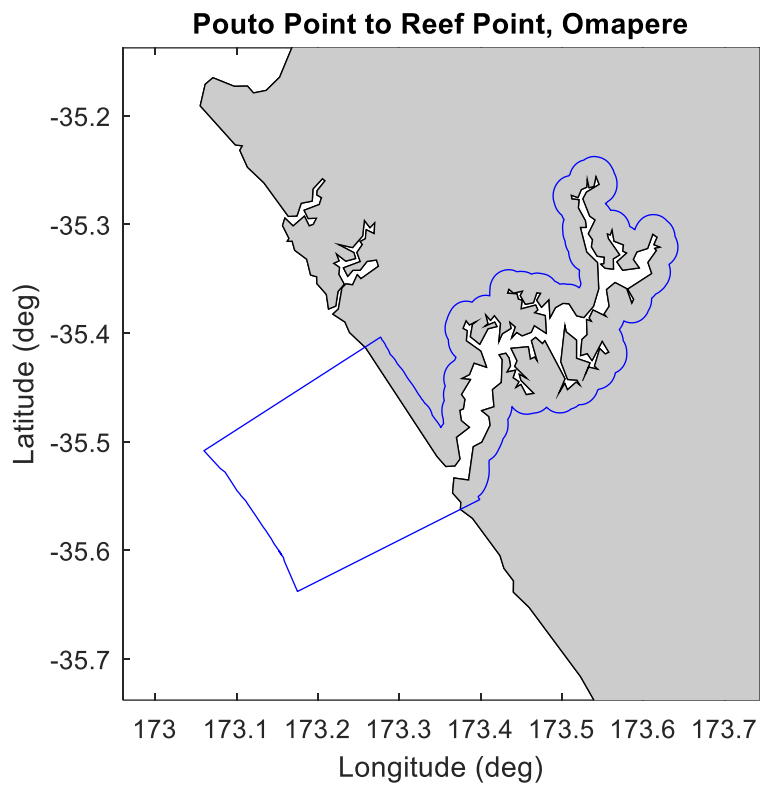
Deaggregation of Section:134, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.61 m



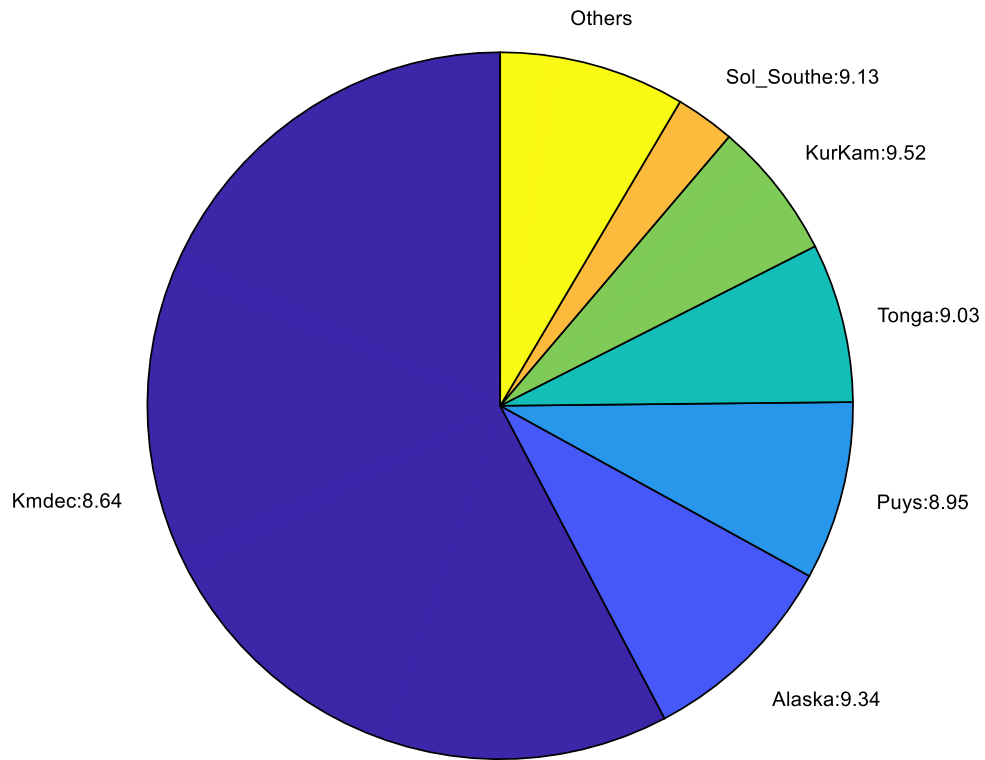
Deaggregation of Section:134, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.93 m



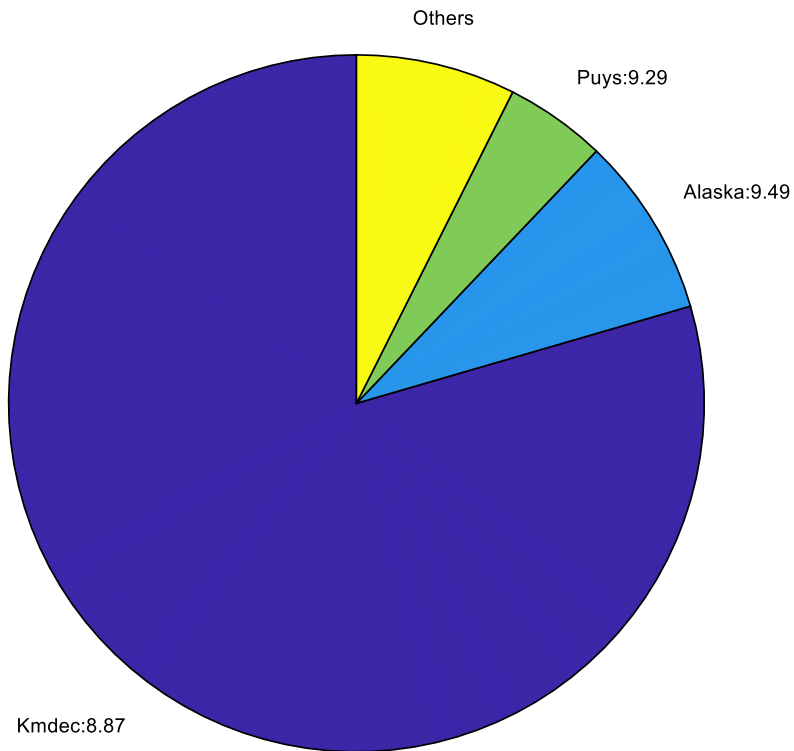
## A1.135 Coastal Section 135: Omapere



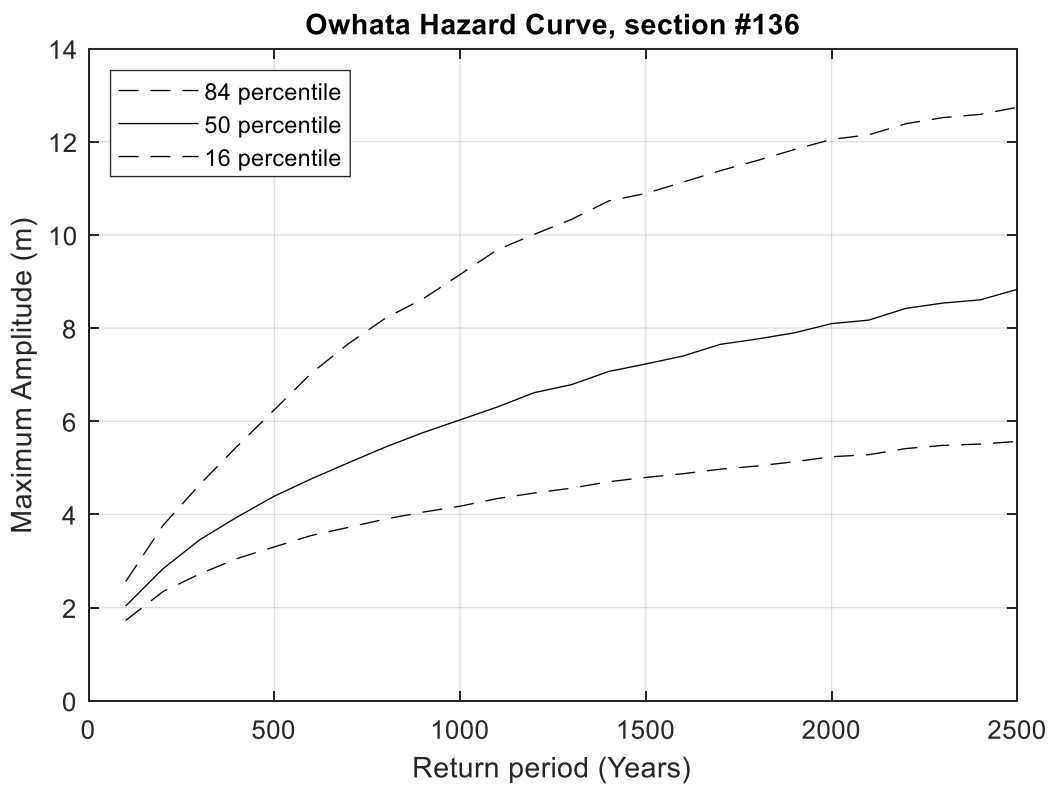
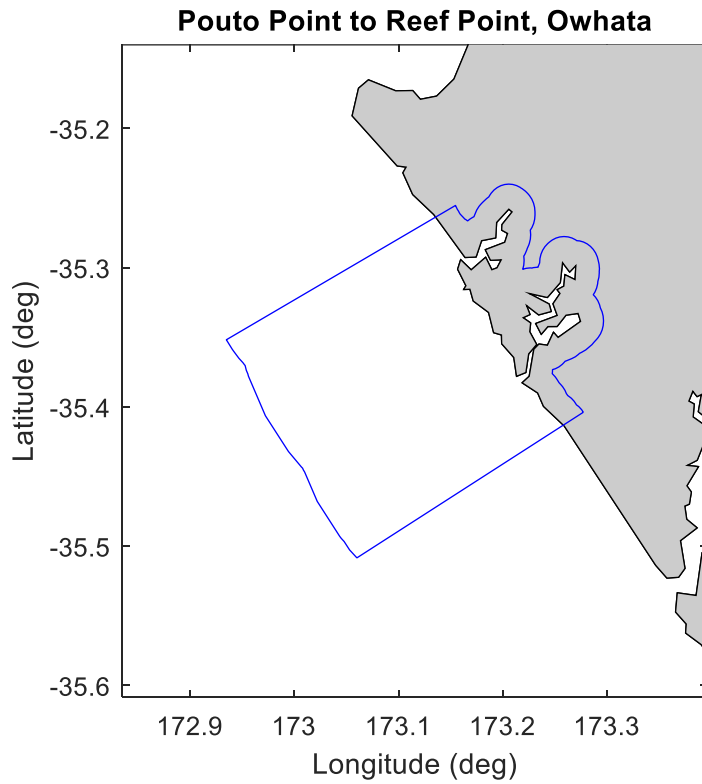
Deaggregation of Section:135, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.81 m



Deaggregation of Section:135, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.59 m

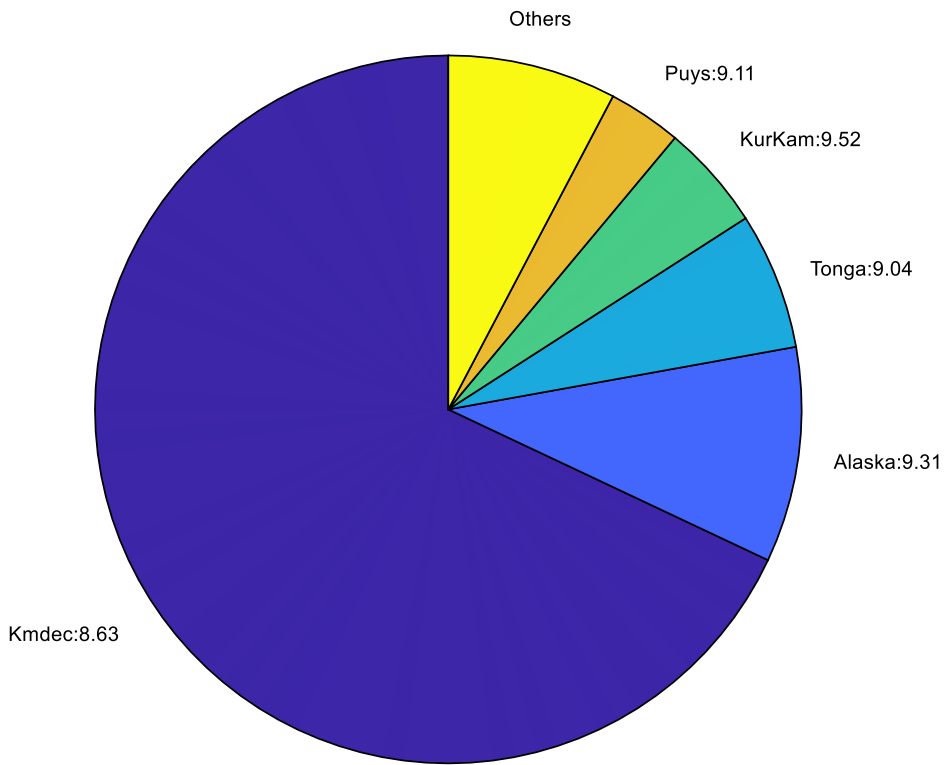


**A1.136 Coastal Section 136: Owhata**

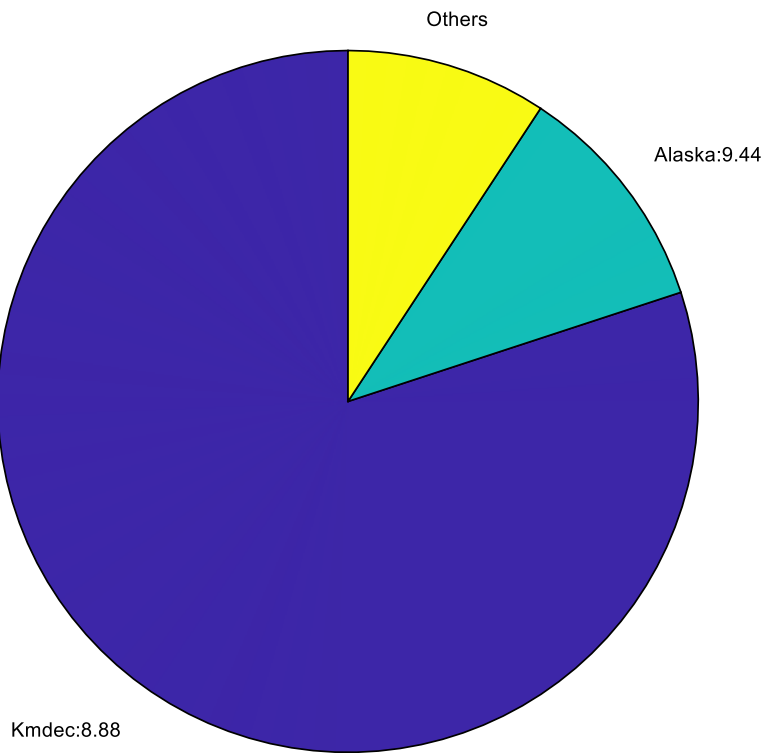




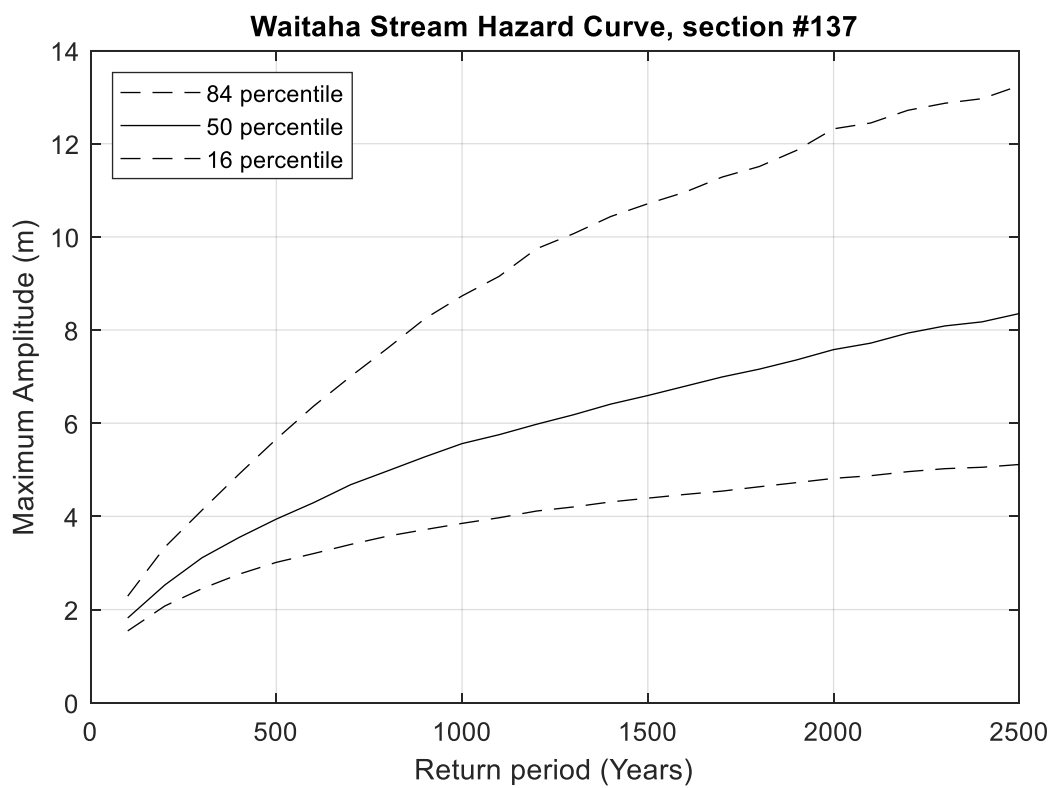
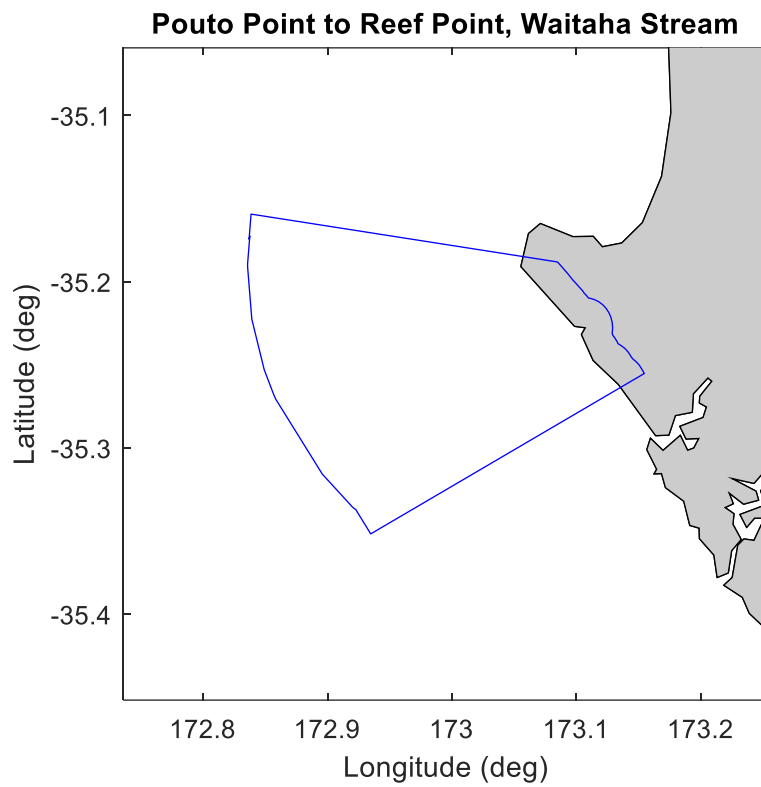
Deaggregation of Section:136, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.39 m



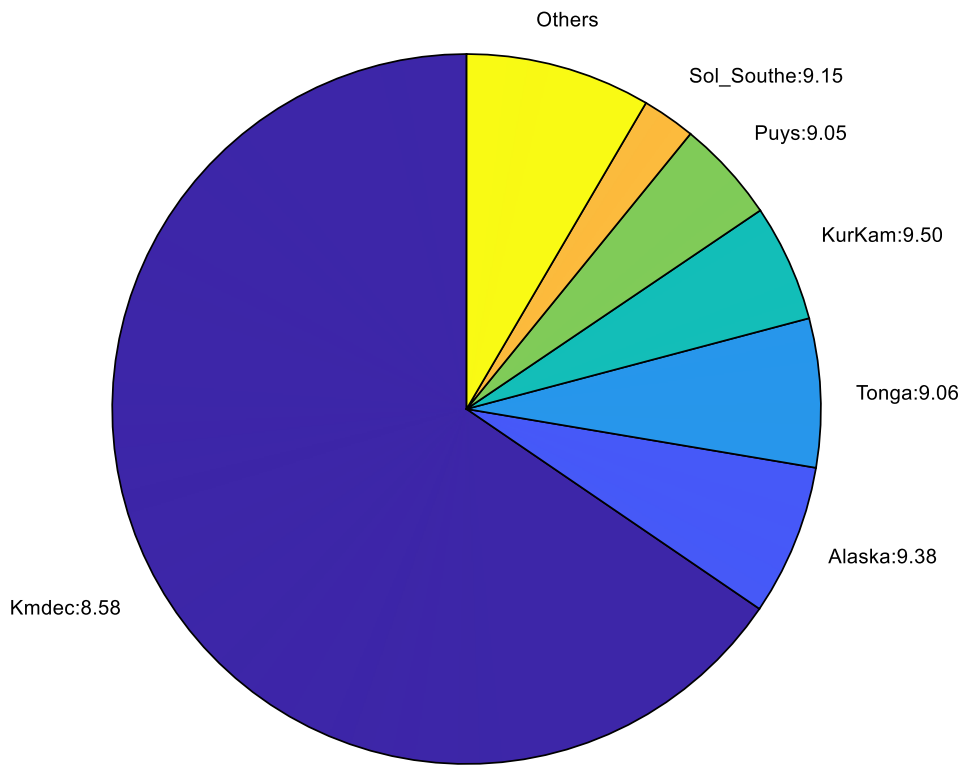
Deaggregation of Section:136, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.83 m



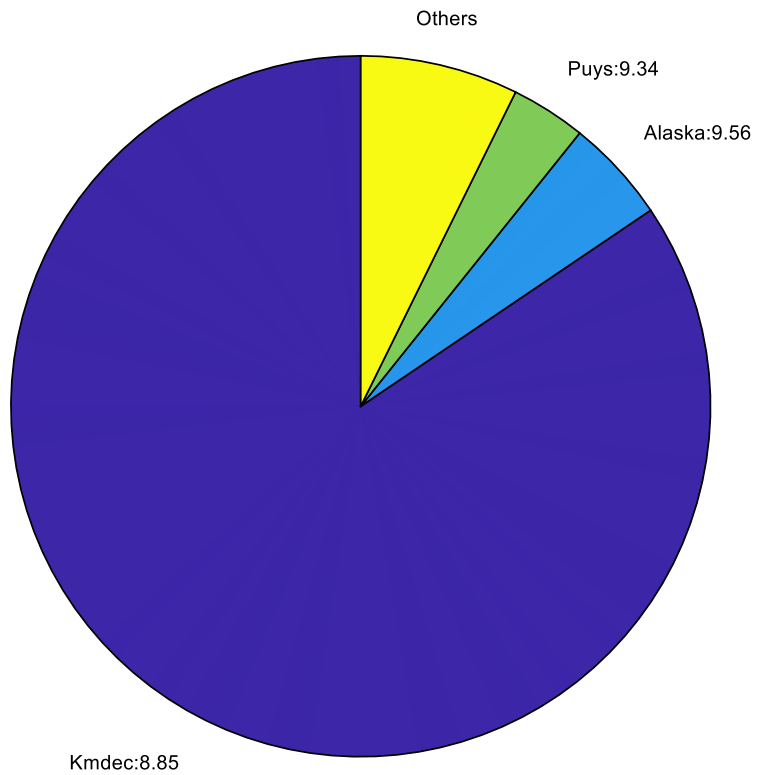
### A1.137 Coastal Section 137: Waitaha Stream



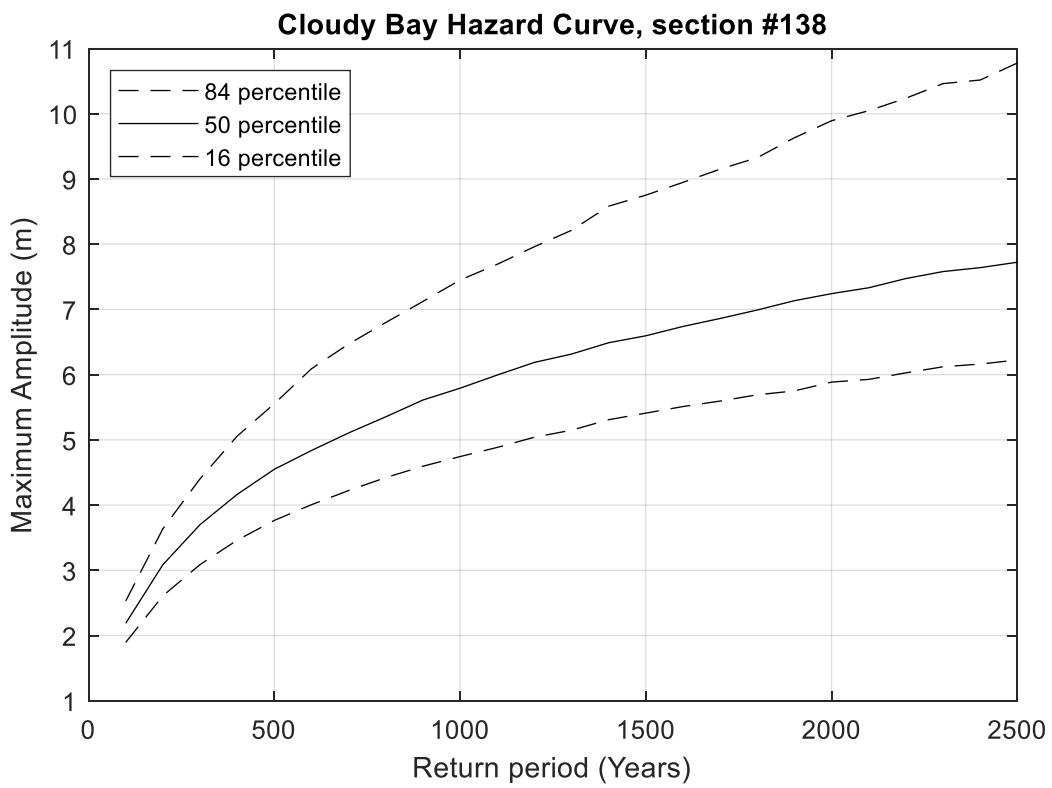
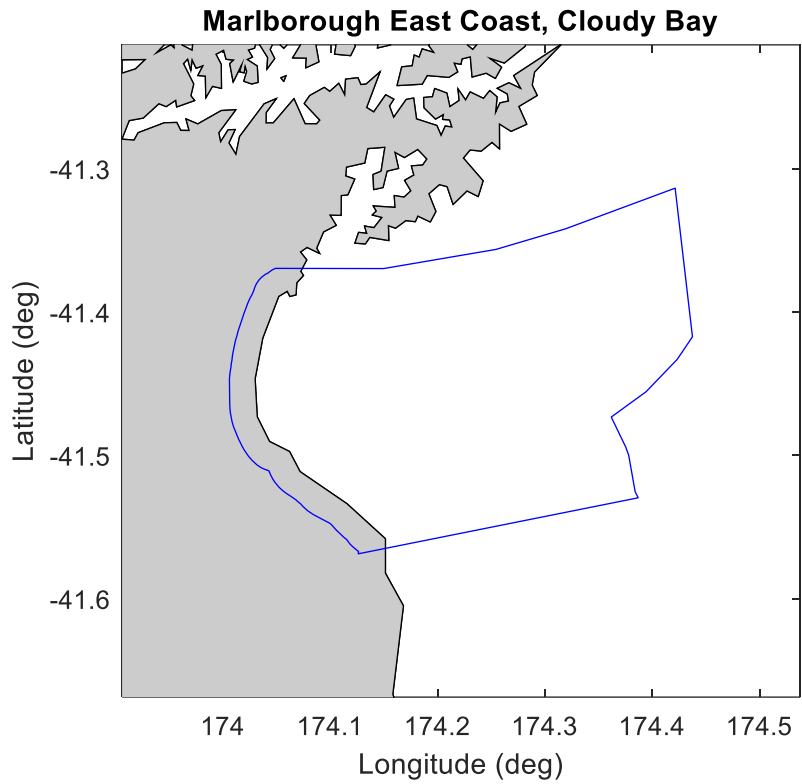
Deaggregation of Section:137, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.94 m



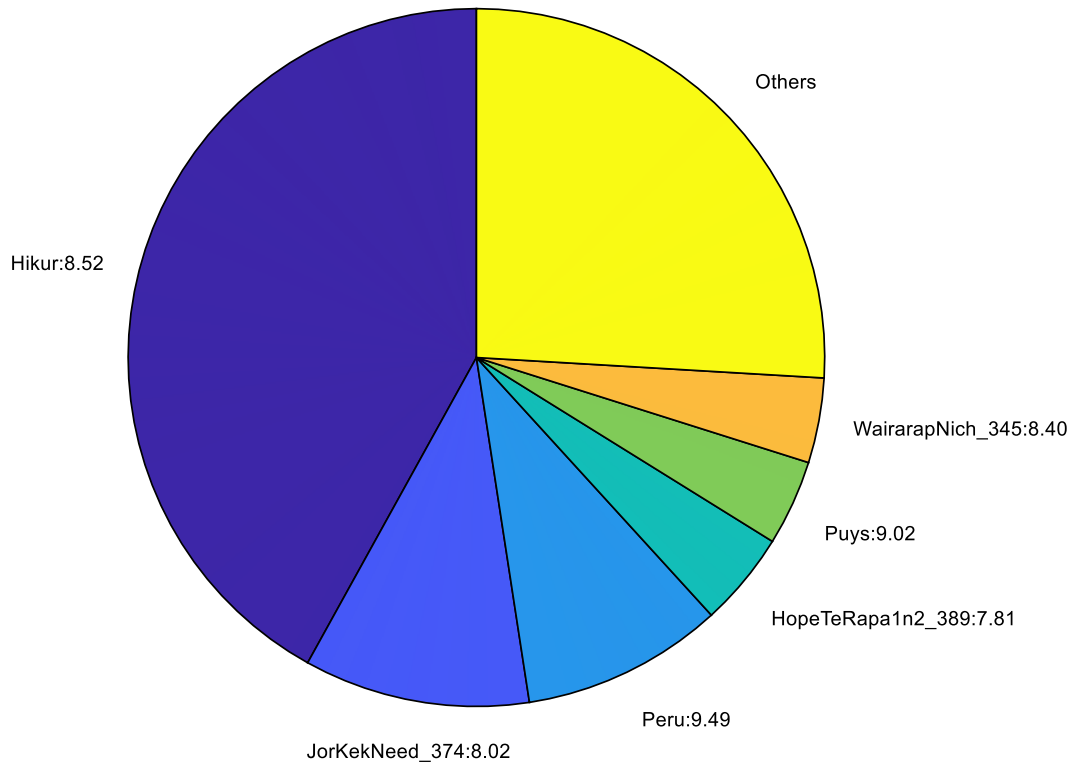
Deaggregation of Section:137, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.31 m



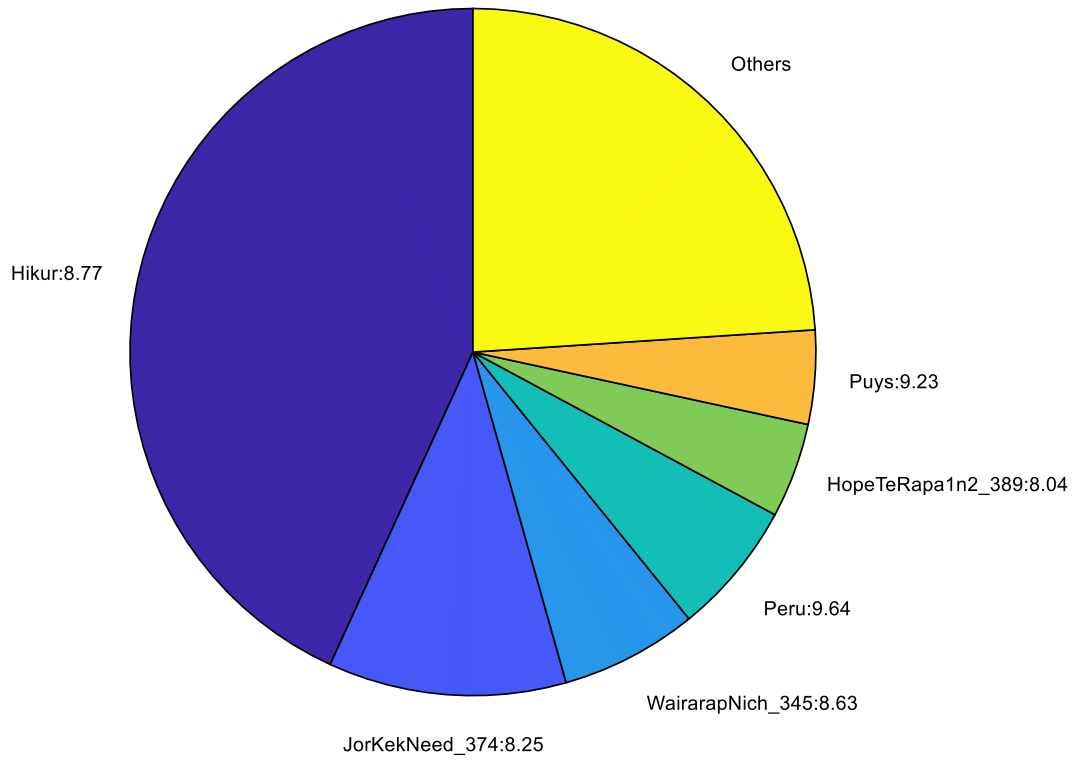
# A1.138 Coastal Section 138: Cloudy Bay



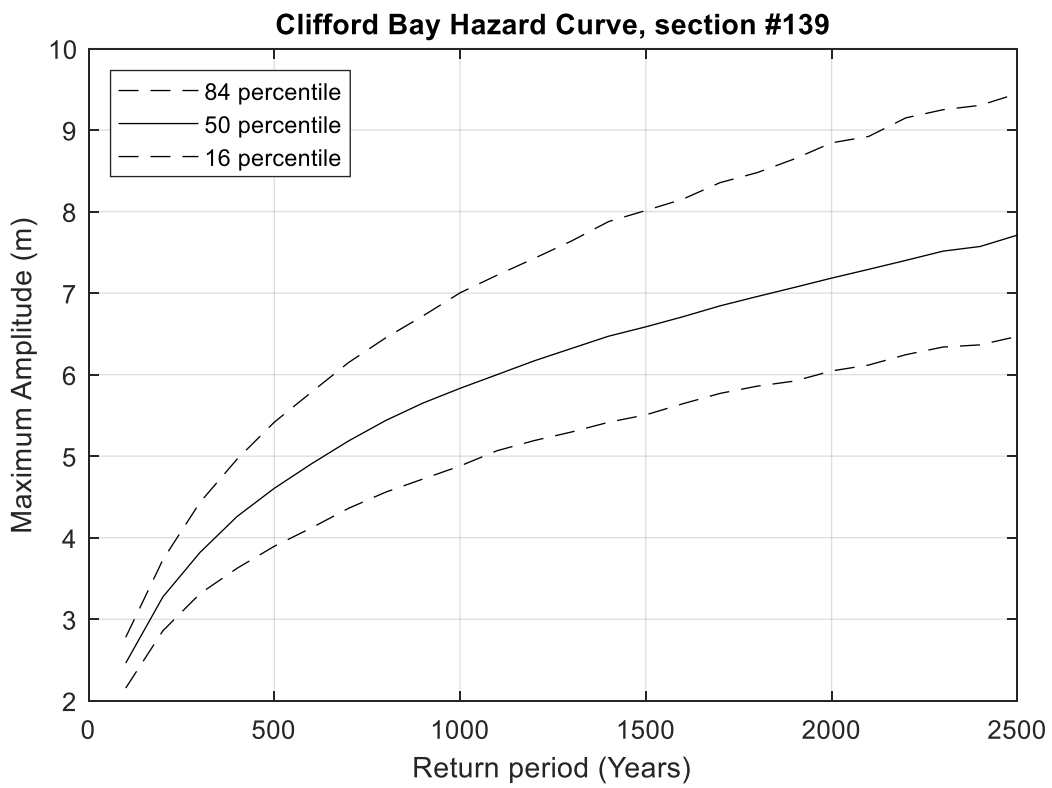
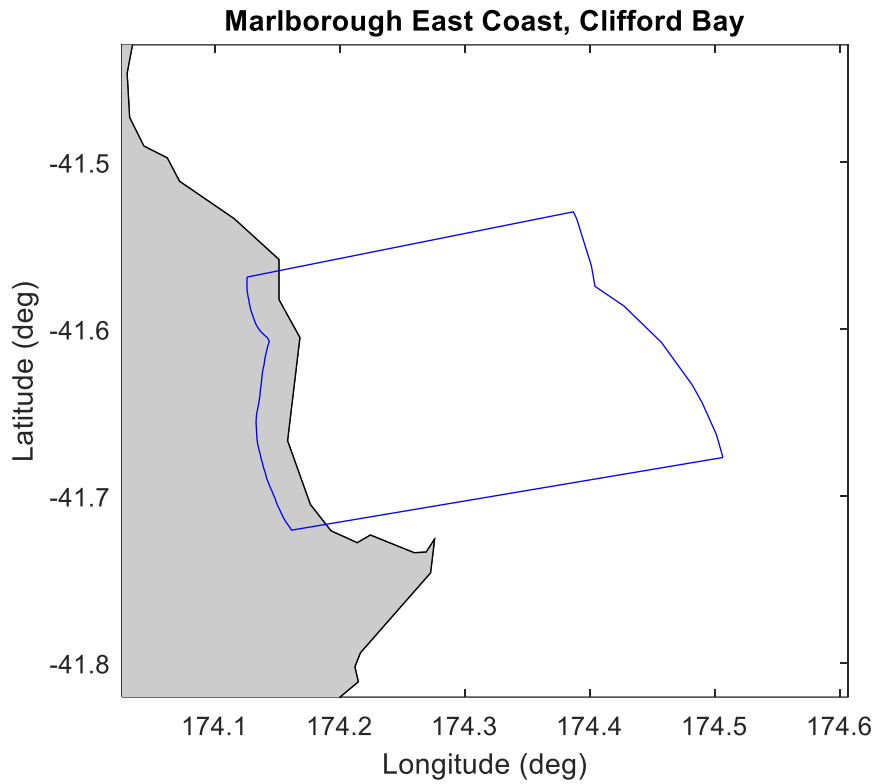
Deaggregation of Section:138, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.55 m



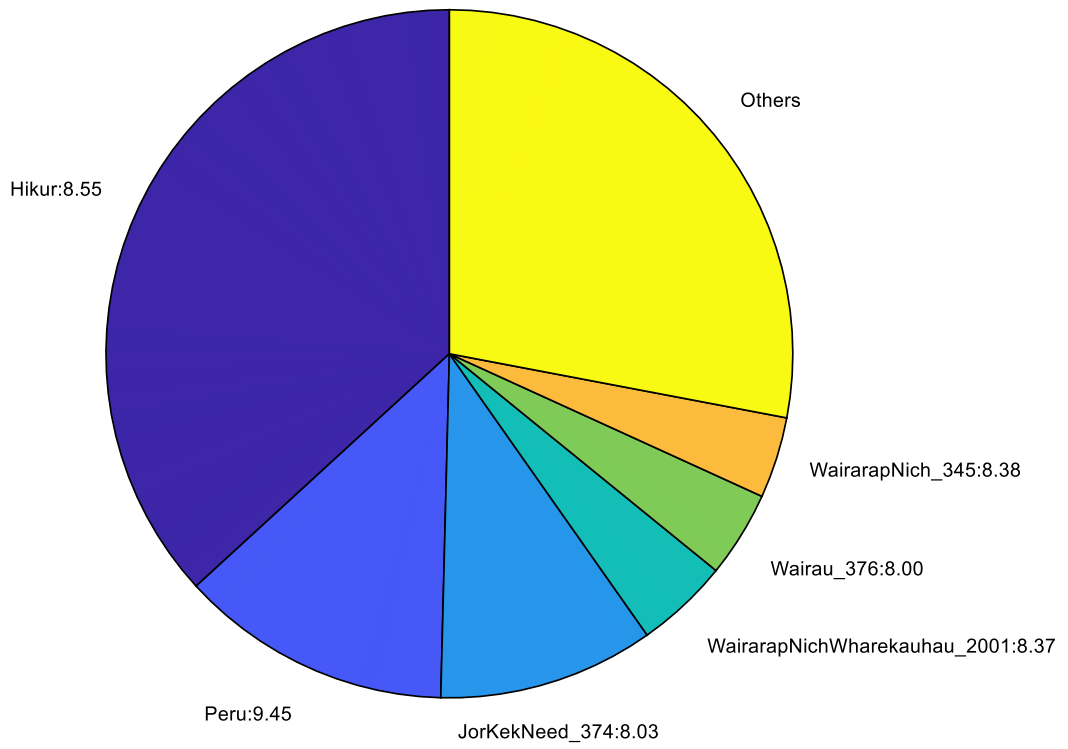
Deaggregation of Section:138, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.72 m



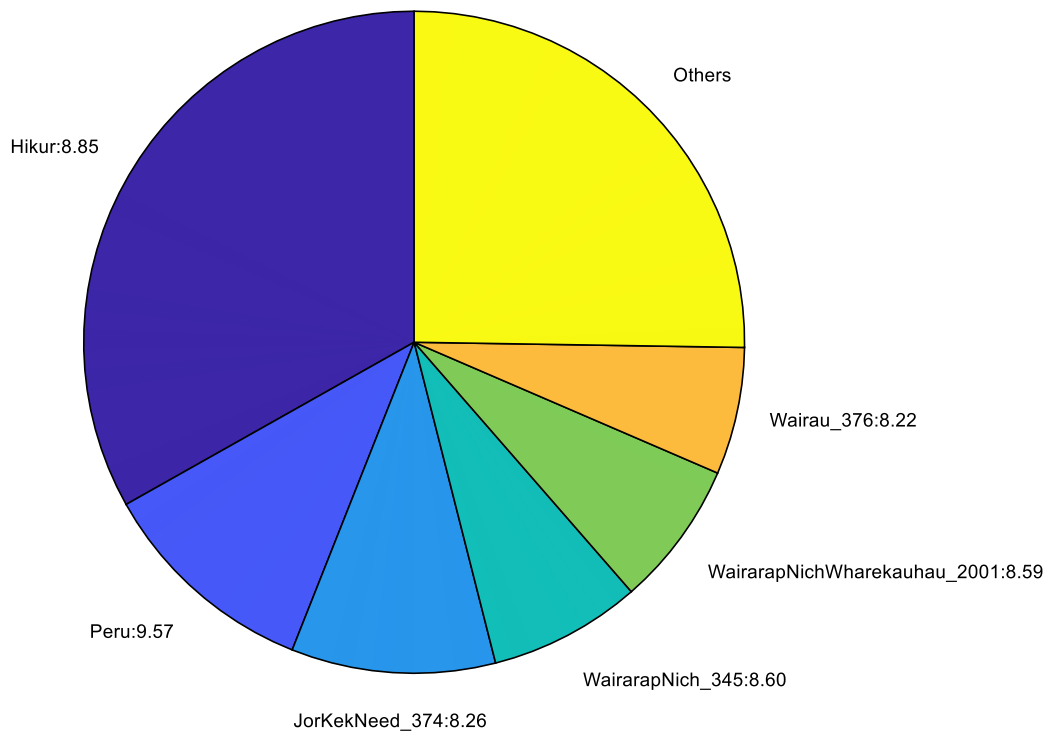
### A1.139 Coastal Section 139: Clifford Bay



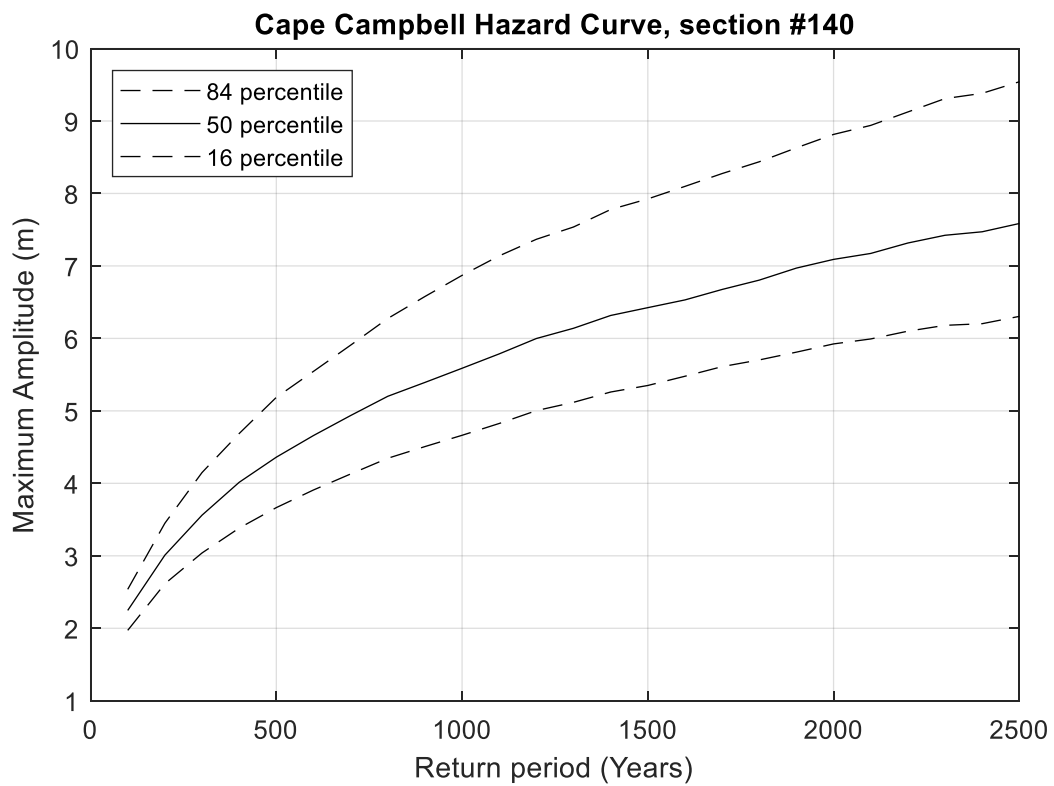
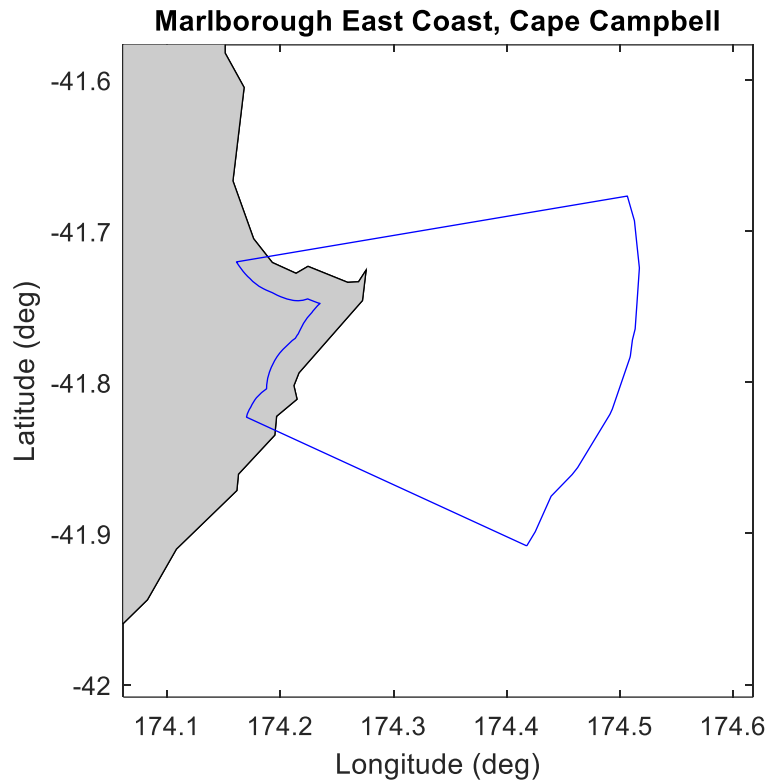
Deaggregation of Section:139, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.61 m



Deaggregation of Section:139, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.71 m

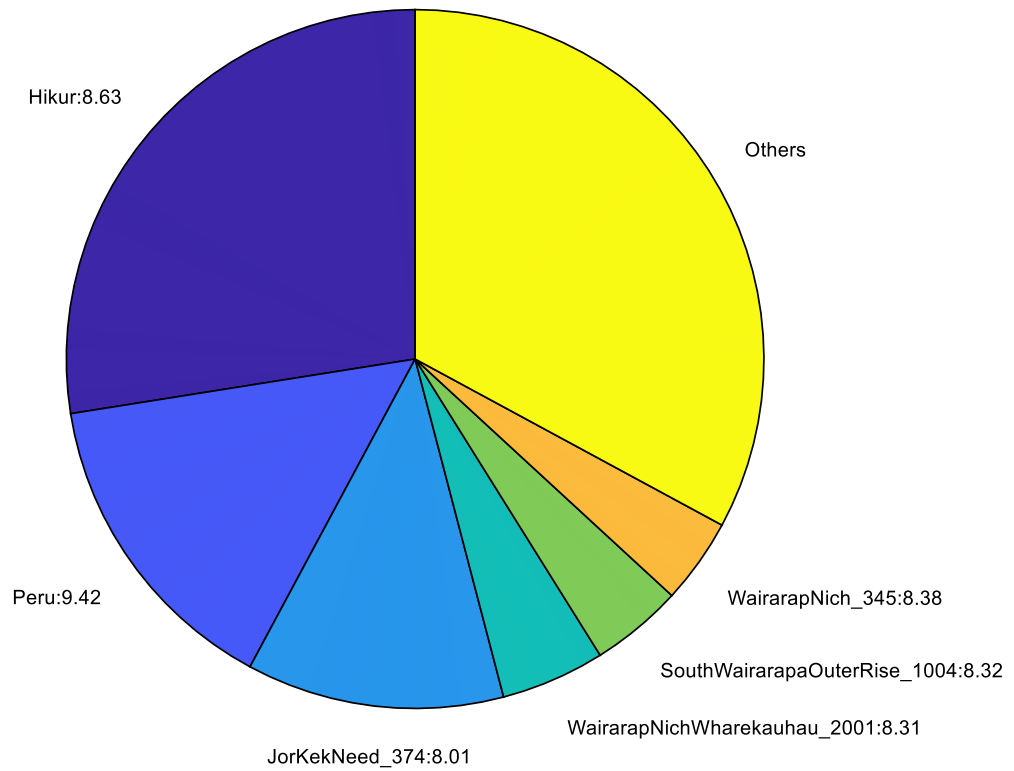


## A1.140 Coastal Section 140: Cape Campbell

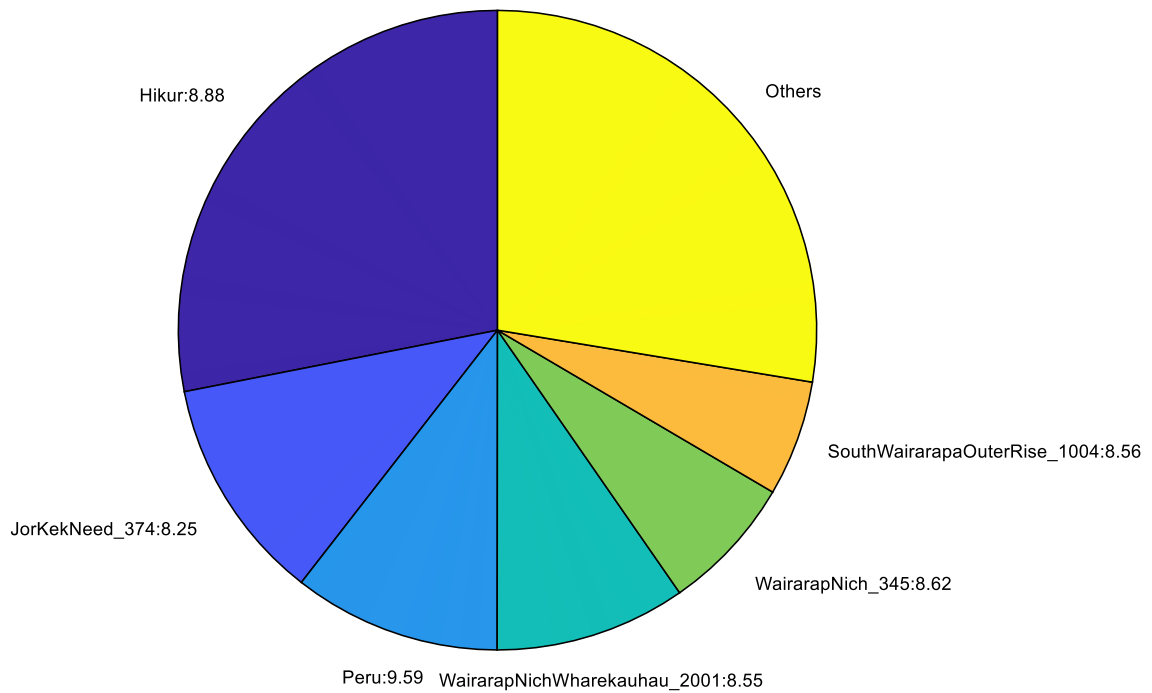




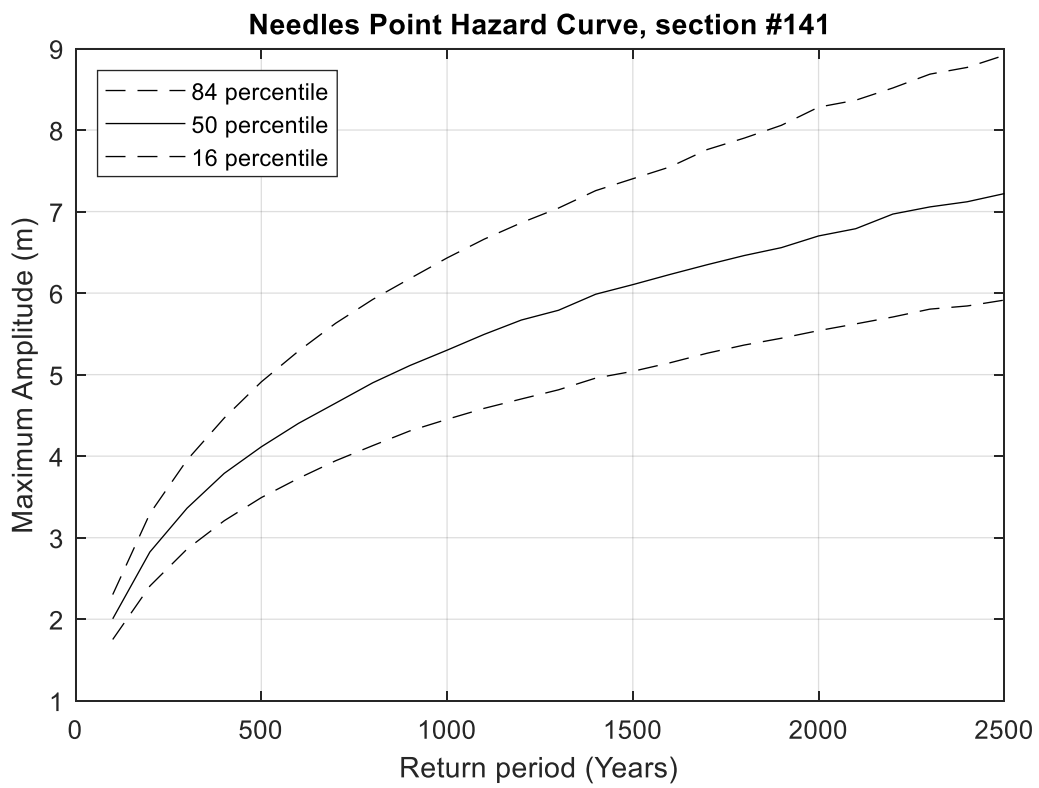
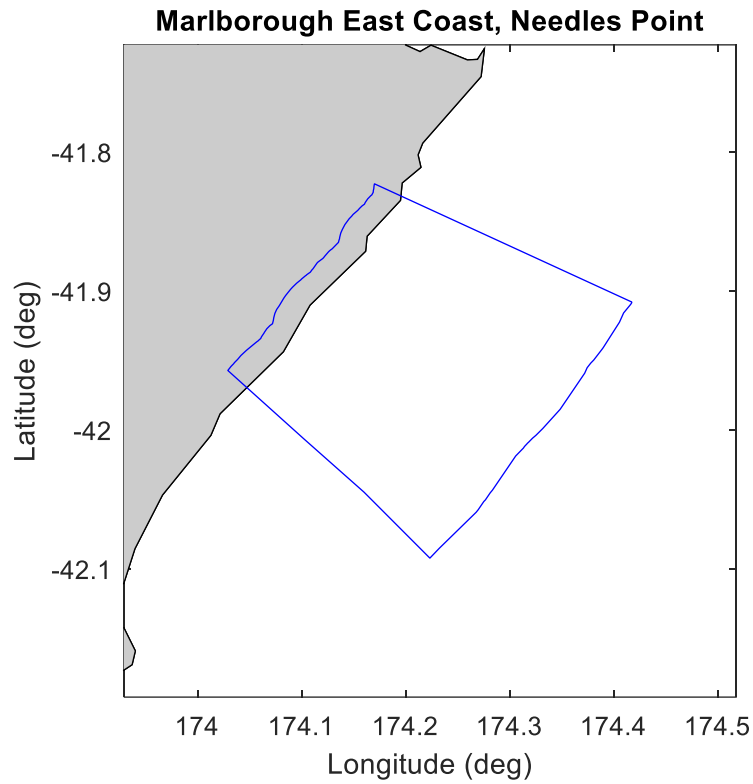
Deaggregation of Section:140, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.36 m



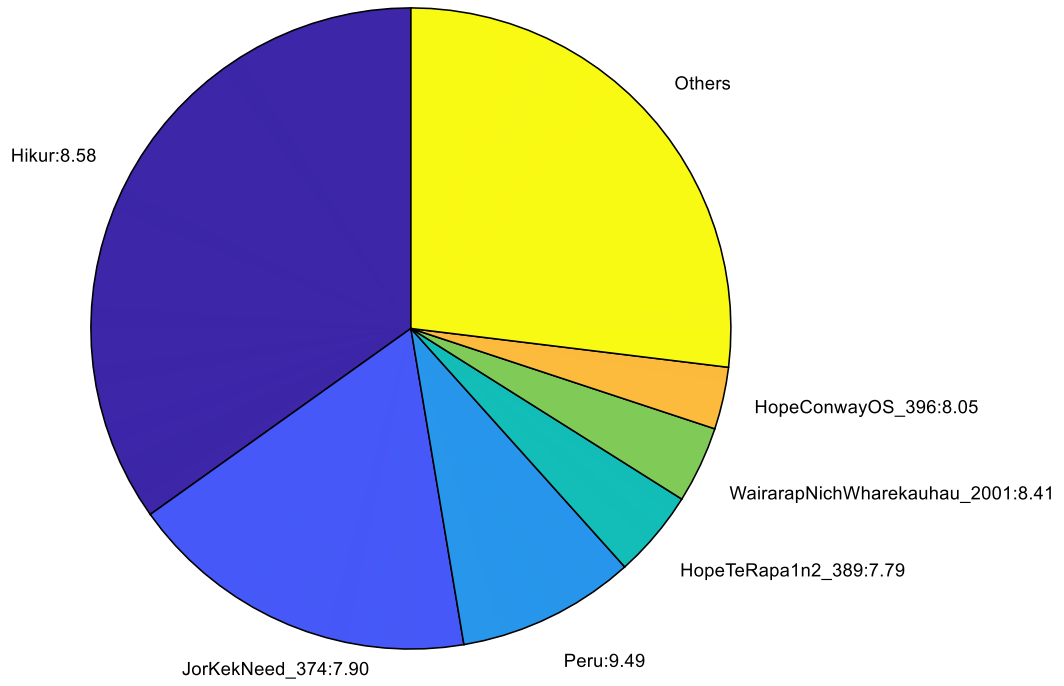
Deaggregation of Section:140, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.58 m



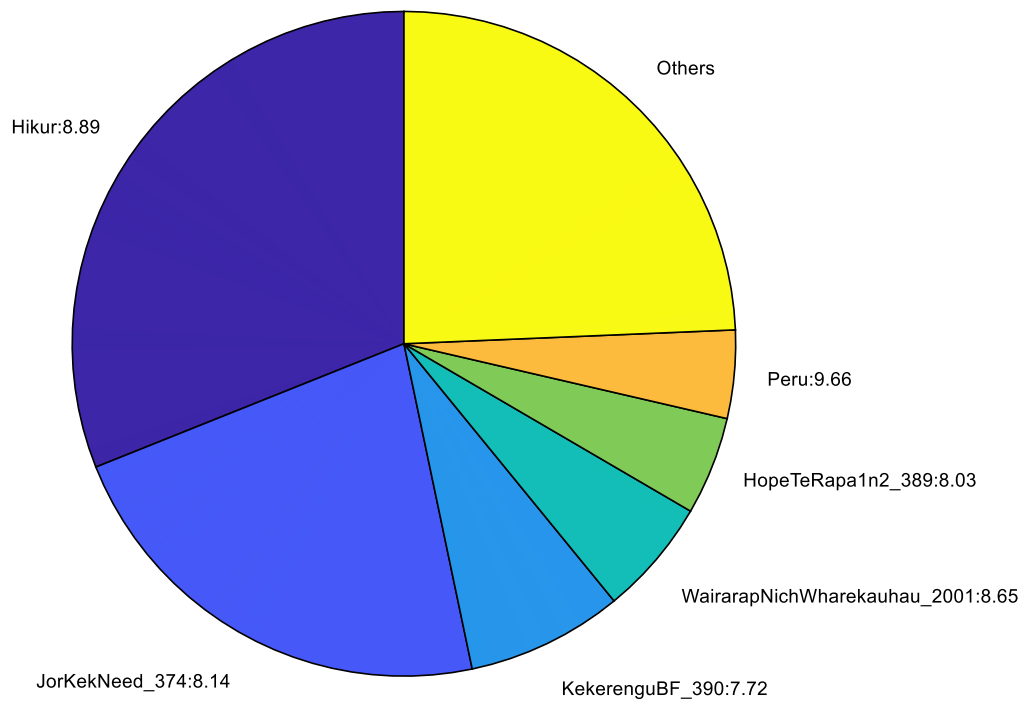
### A1.141 Coastal Section 141: Needles Point



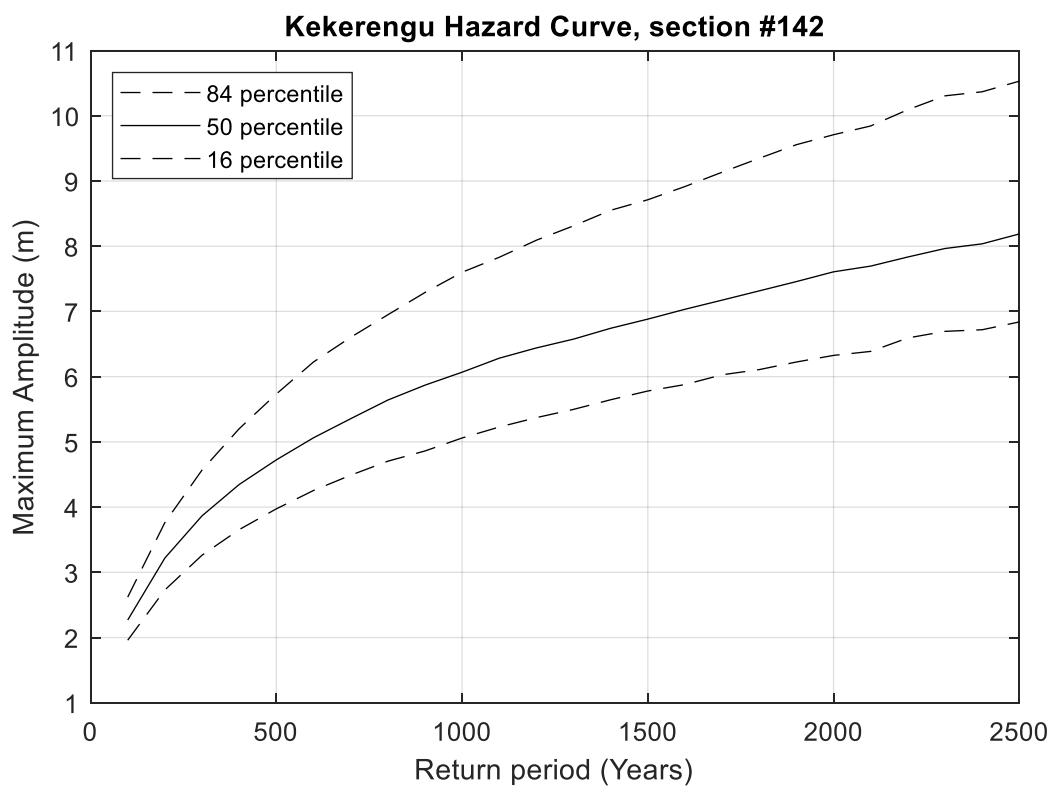
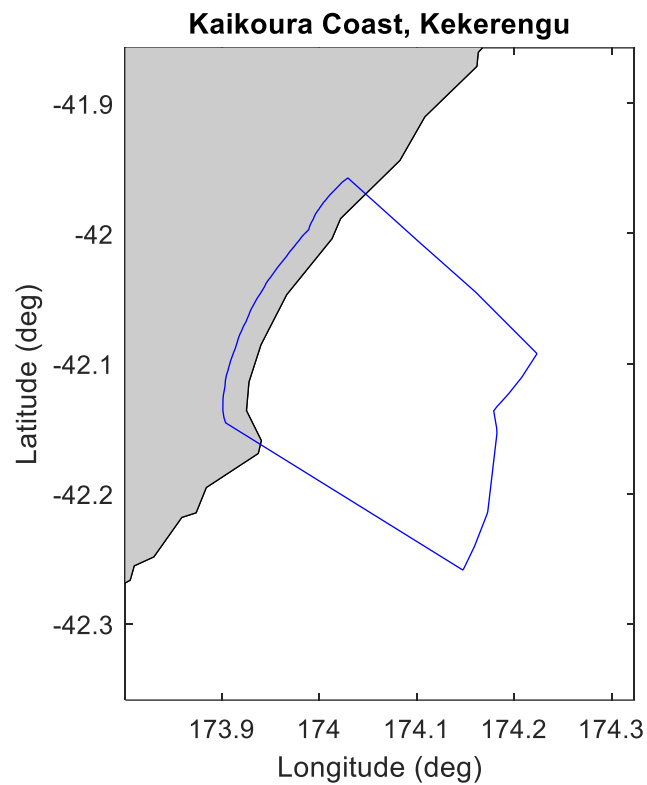
Deaggregation of Section:141, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.11 m



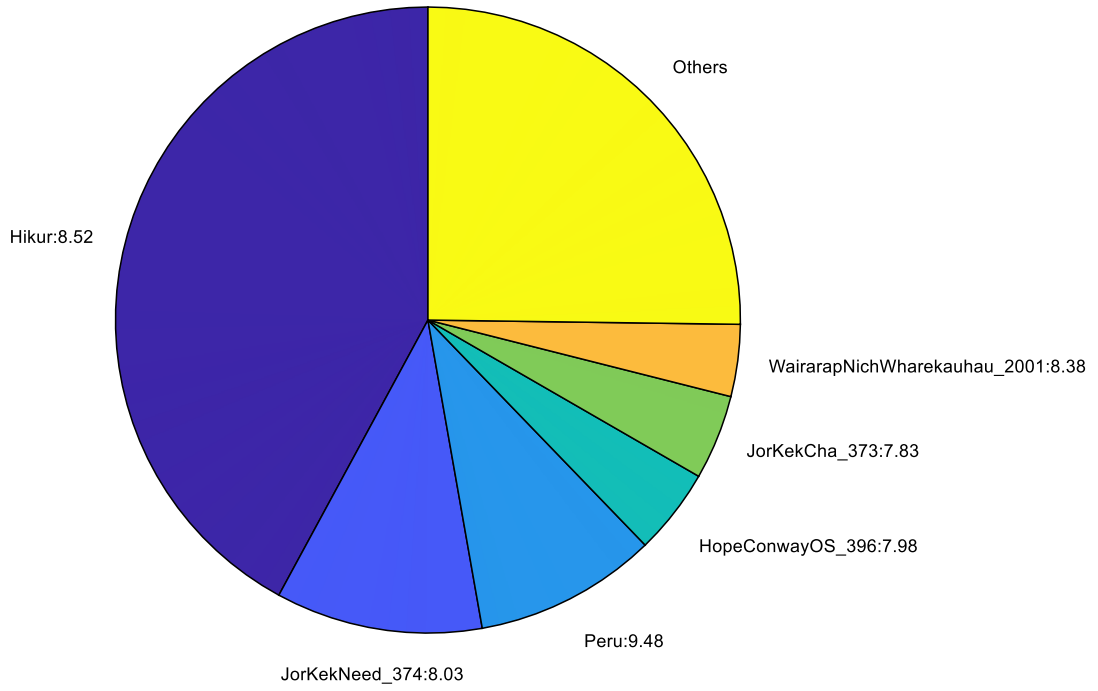
Deaggregation of Section:141, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.22 m



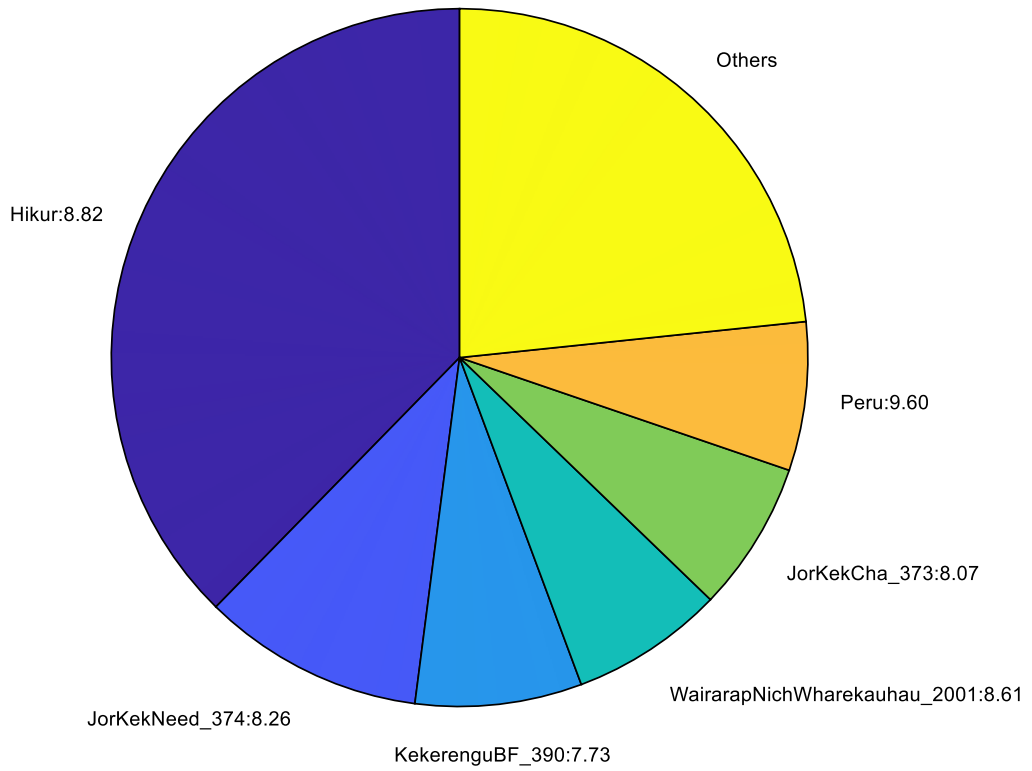
## A1.142 Coastal Section 142: Kekerengu



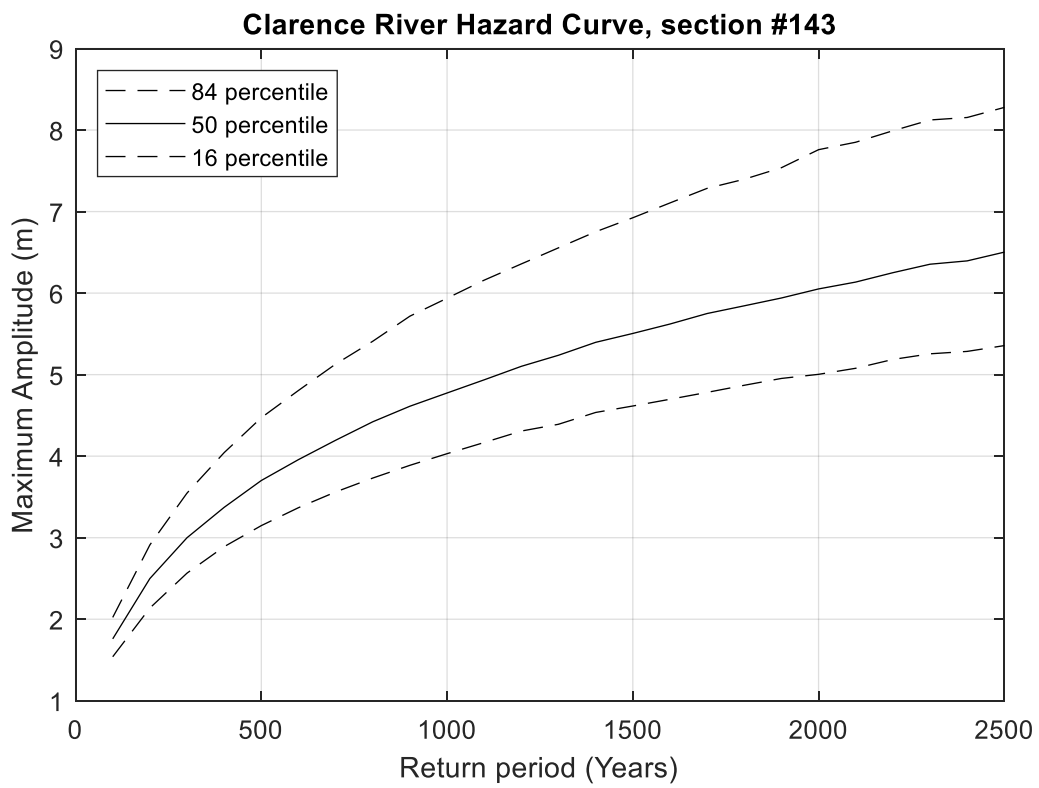
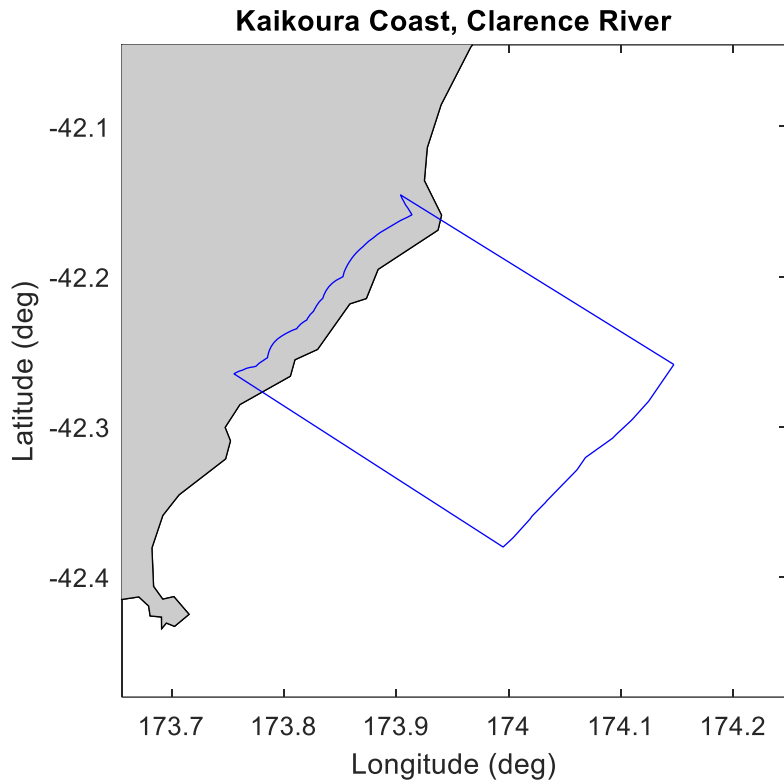
Deaggregation of Section:142, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.72 m



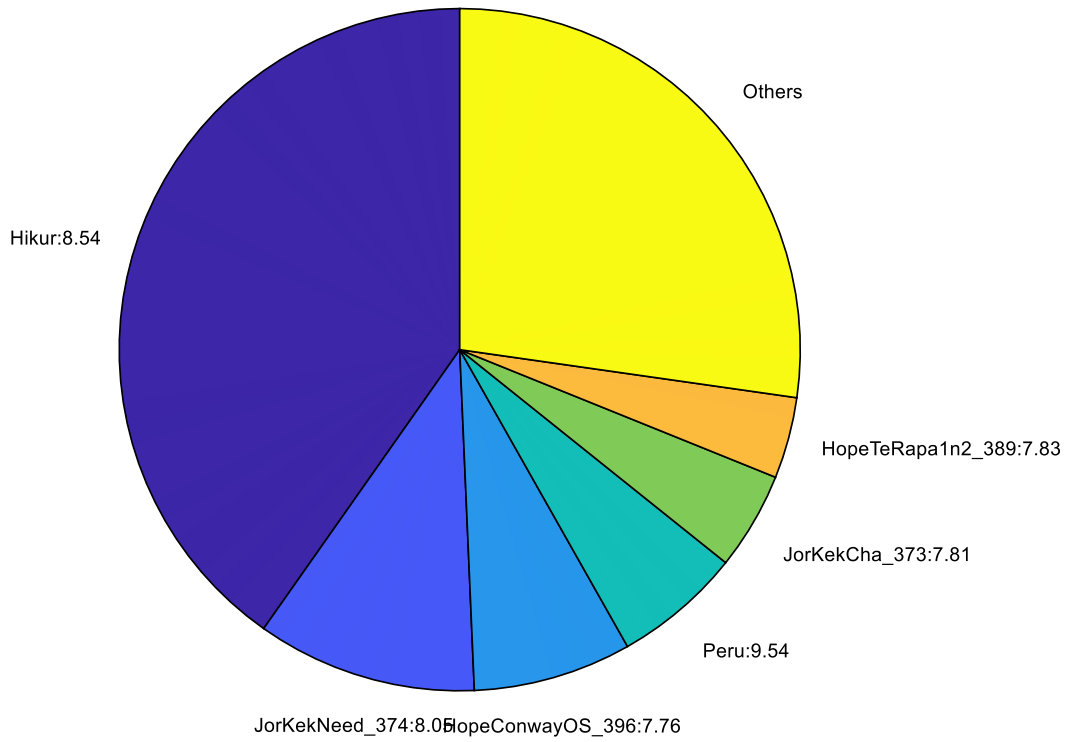
Deaggregation of Section:142, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.18 m



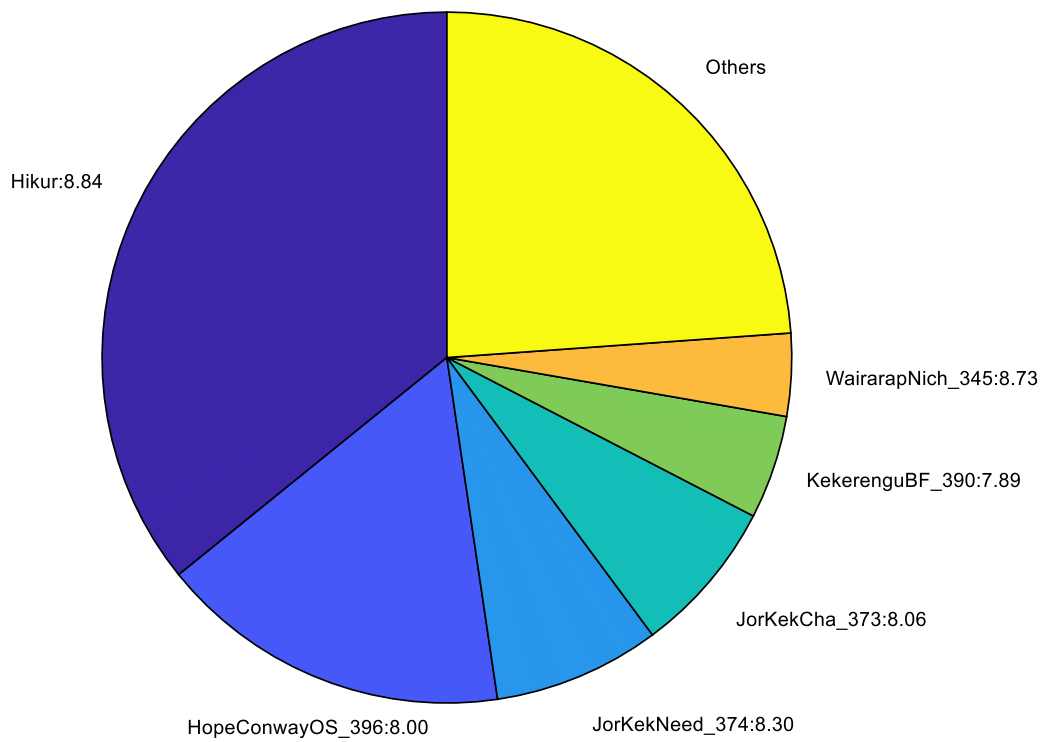
### A1.143 Coastal Section 143: Clarence River



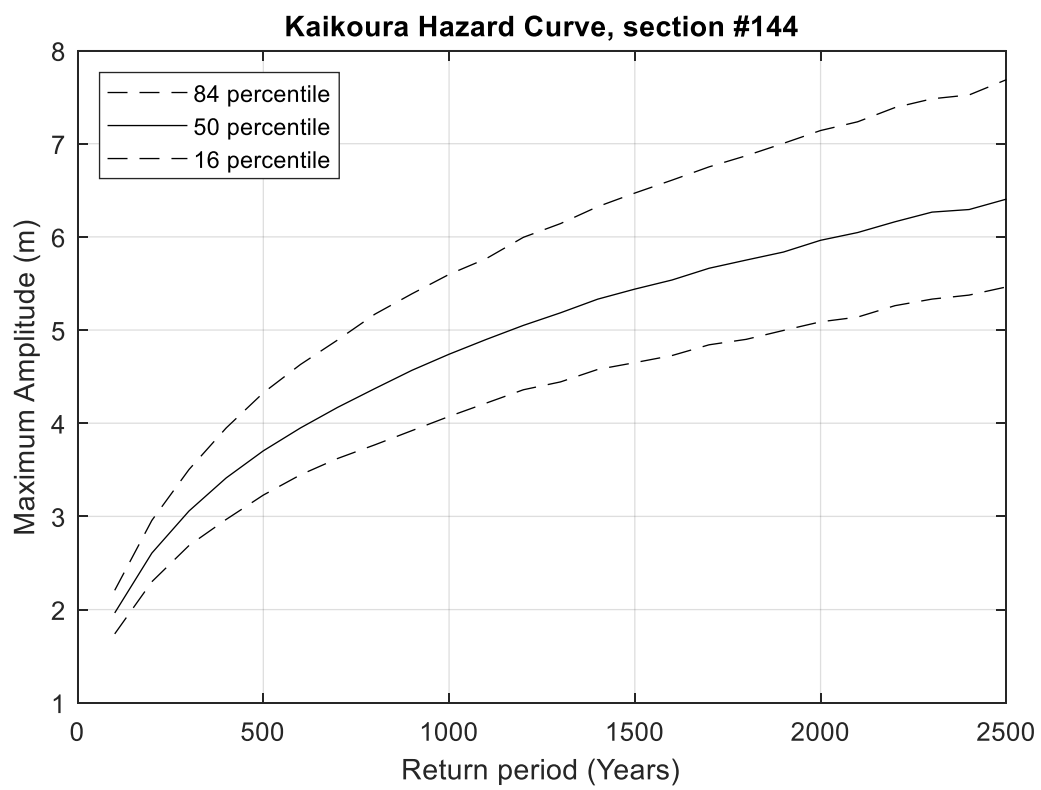
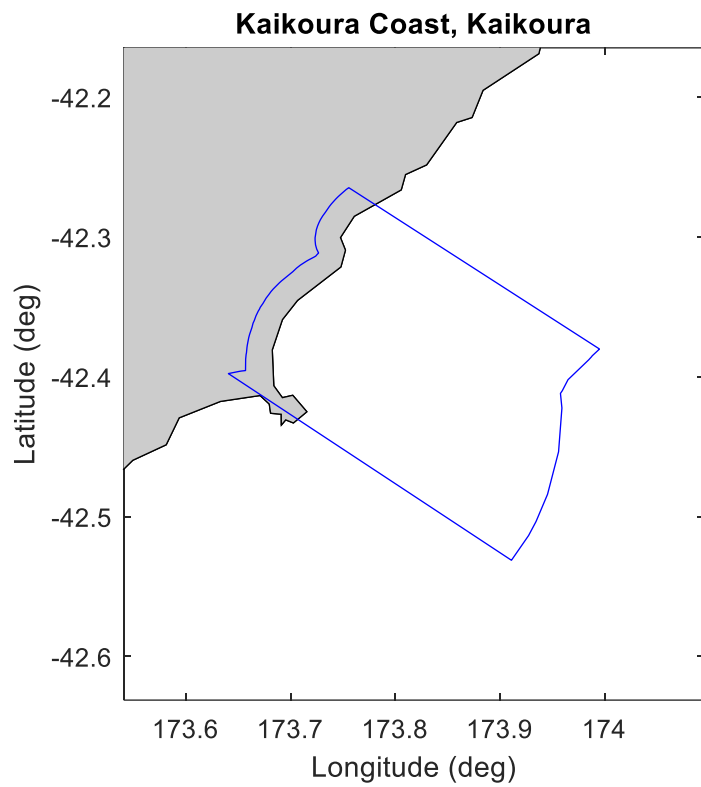
Deaggregation of Section:143, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.70 m



Deaggregation of Section:143, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.50 m

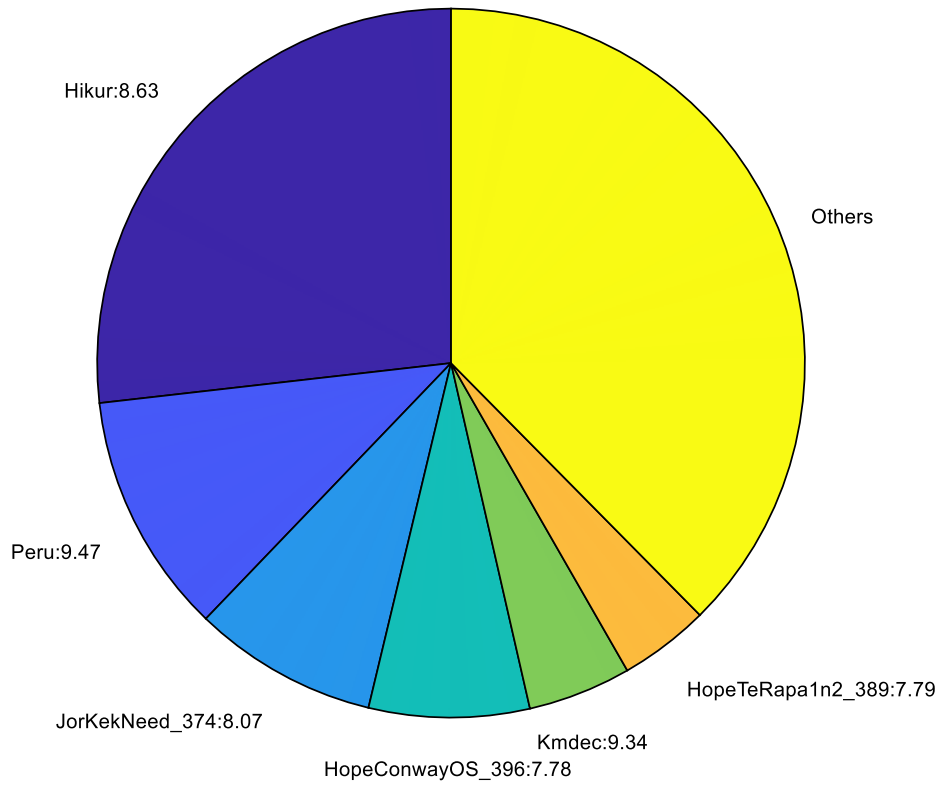


## A1.144 Coastal Section 144: Kaikōura

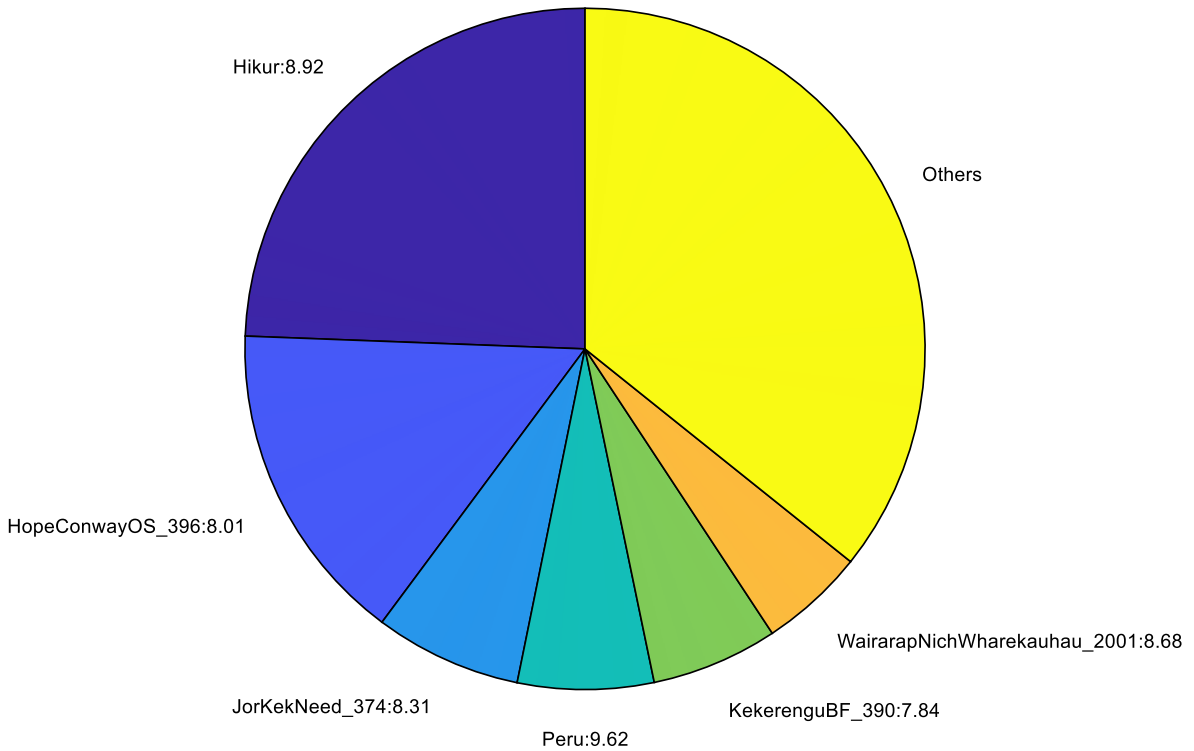




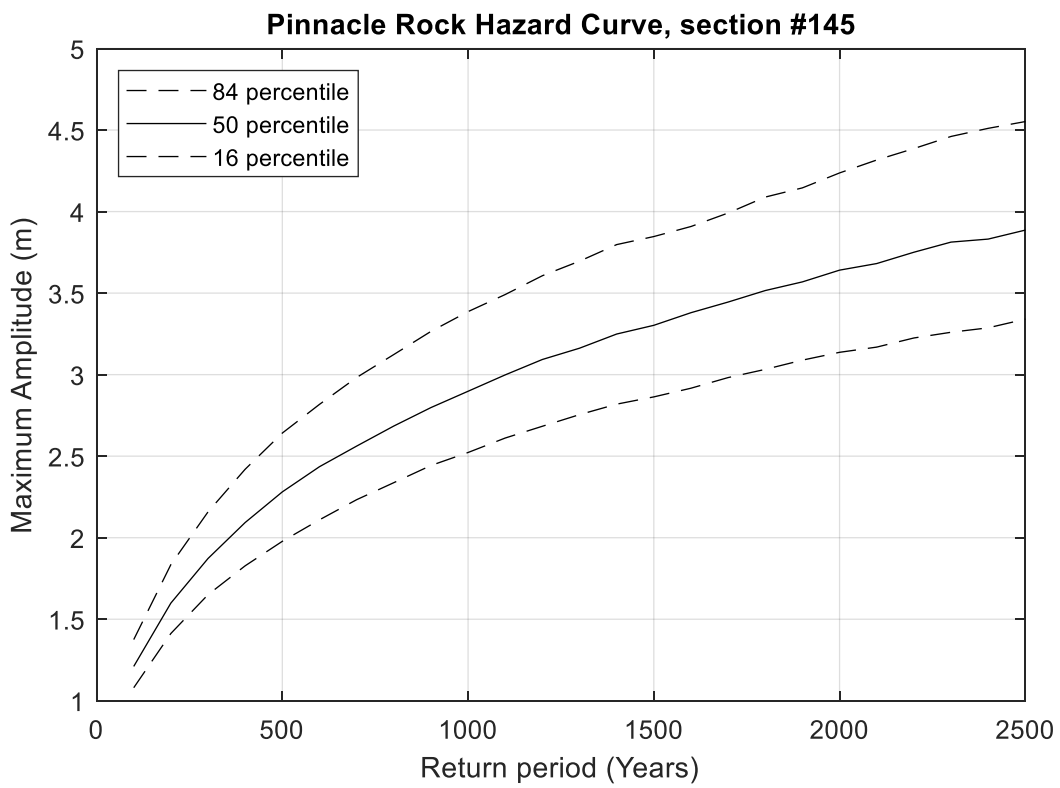
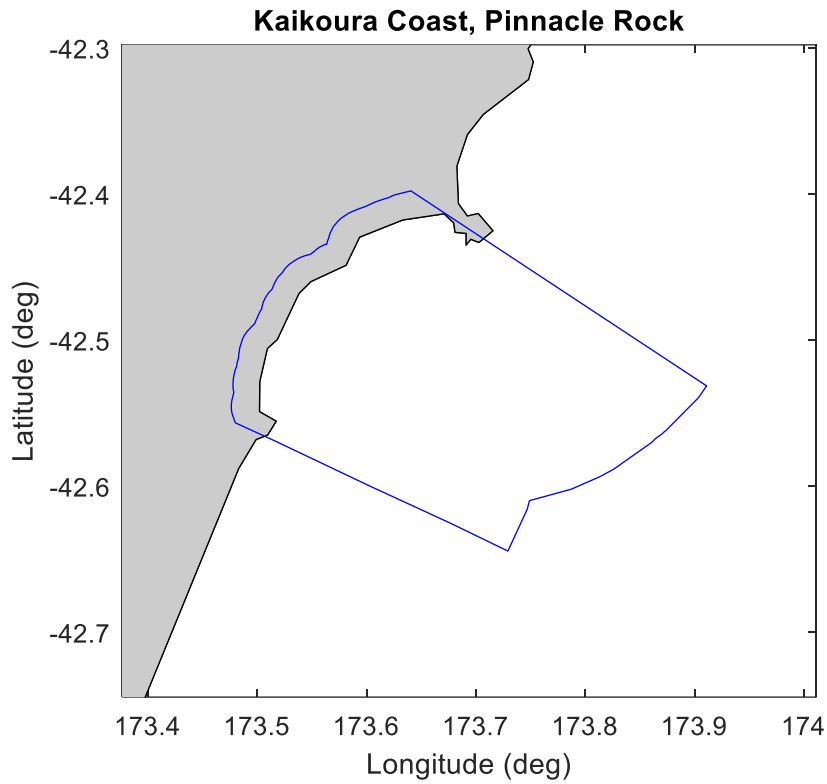
Deaggregation of Section:144, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.70 m



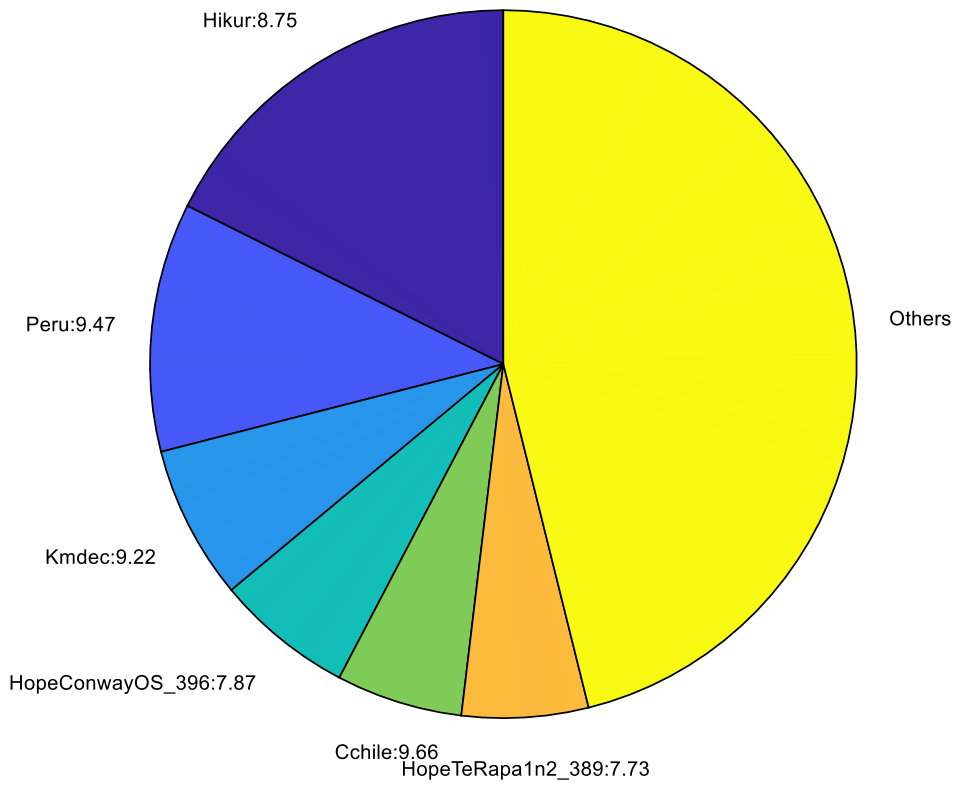
Deaggregation of Section:144, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.40 m



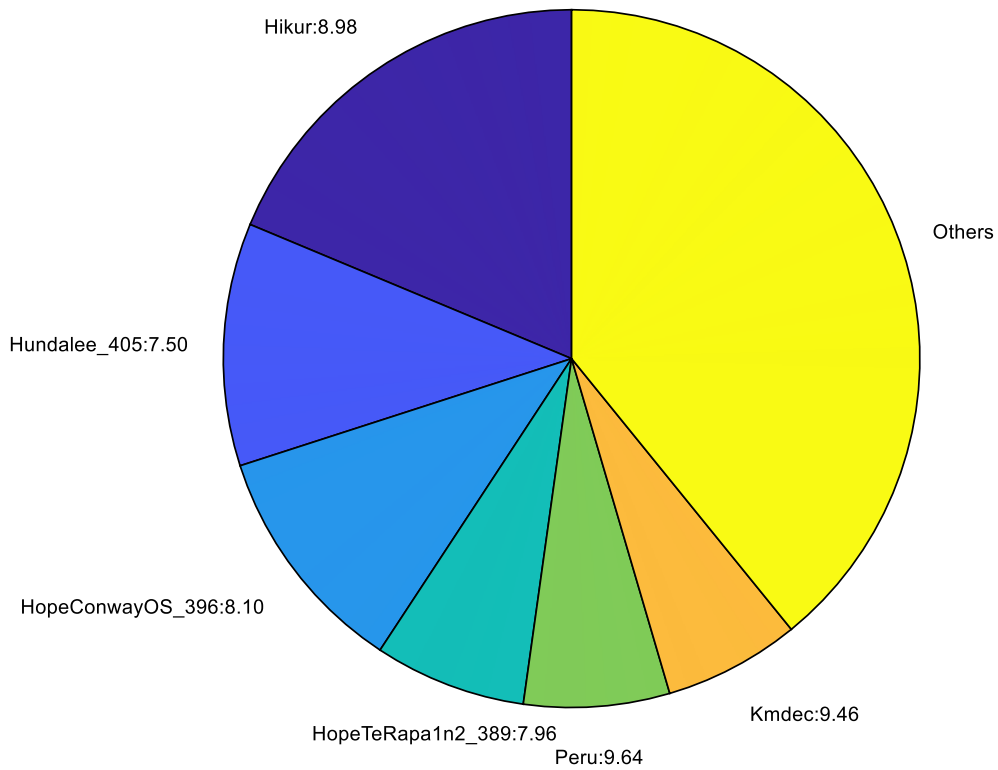
### A1.145 Coastal Section 145: Pinnacle Rock



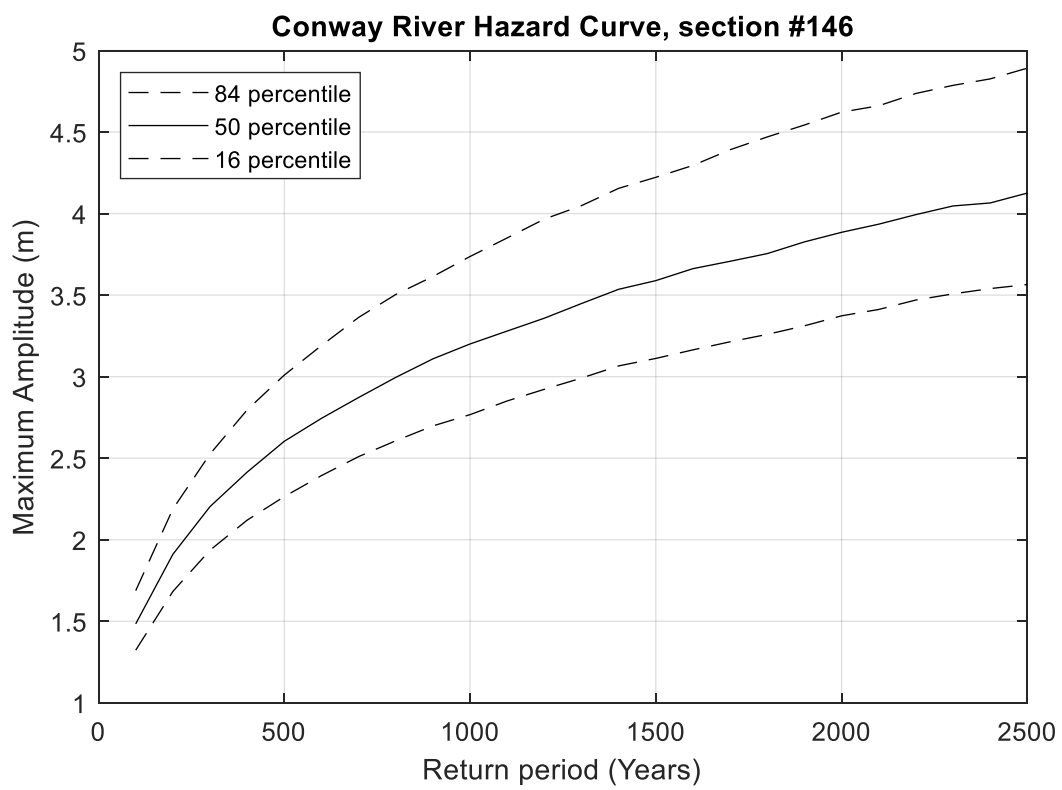
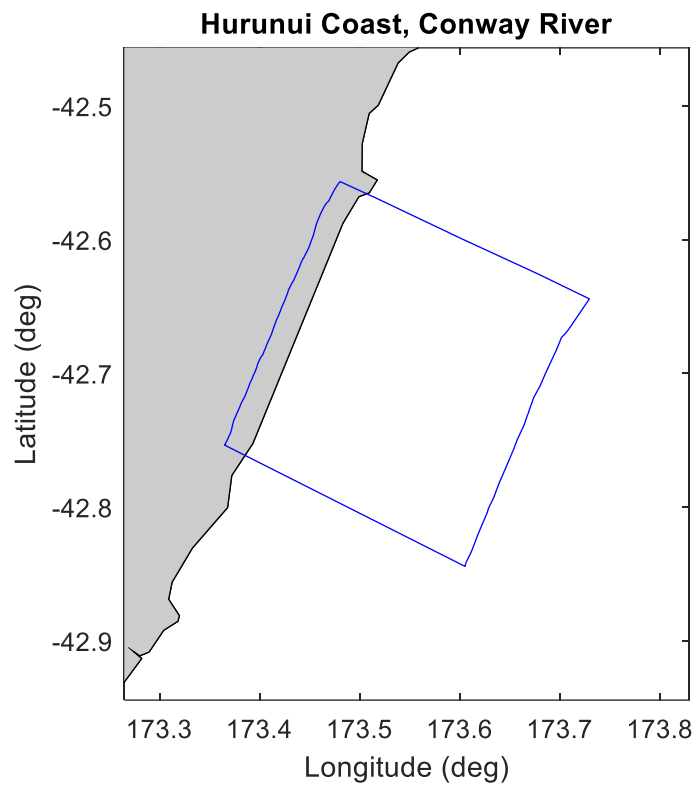
**Deaggregation of Section:145, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.28 m**



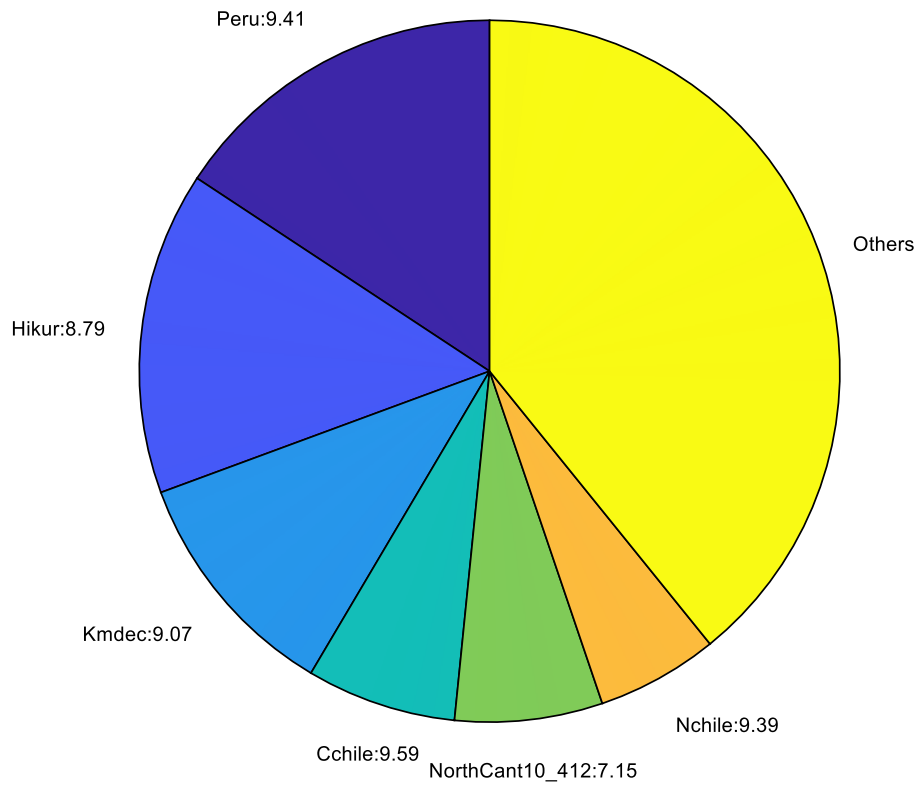
**Deaggregation of Section:145, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.89 m**



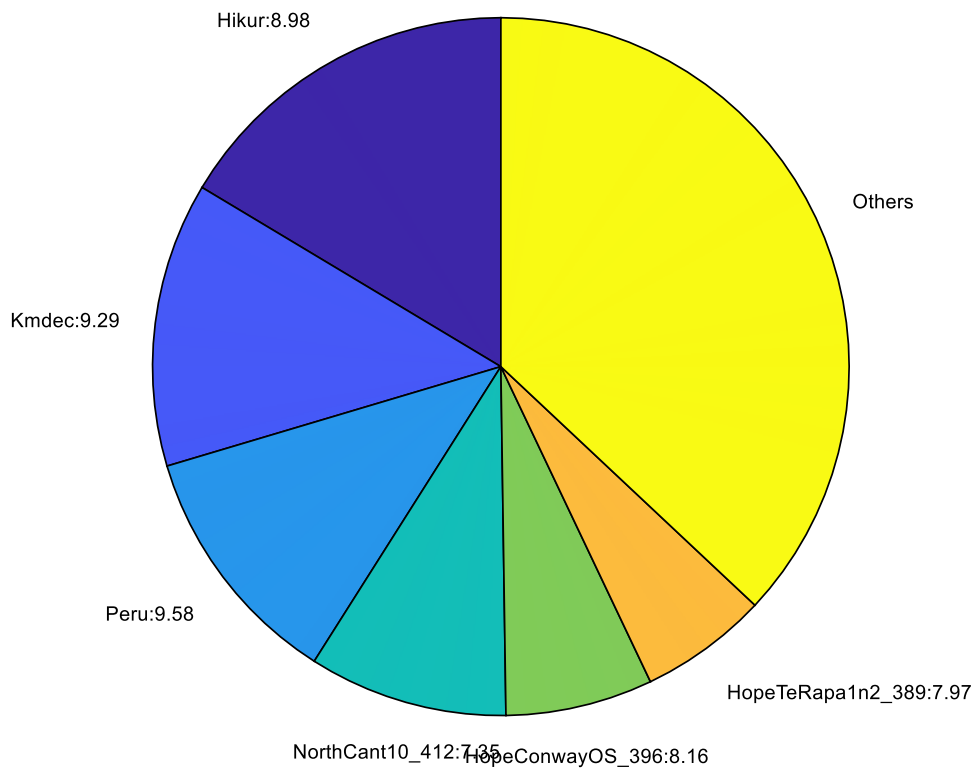
## A1.146 Coastal Section 146: Conway River



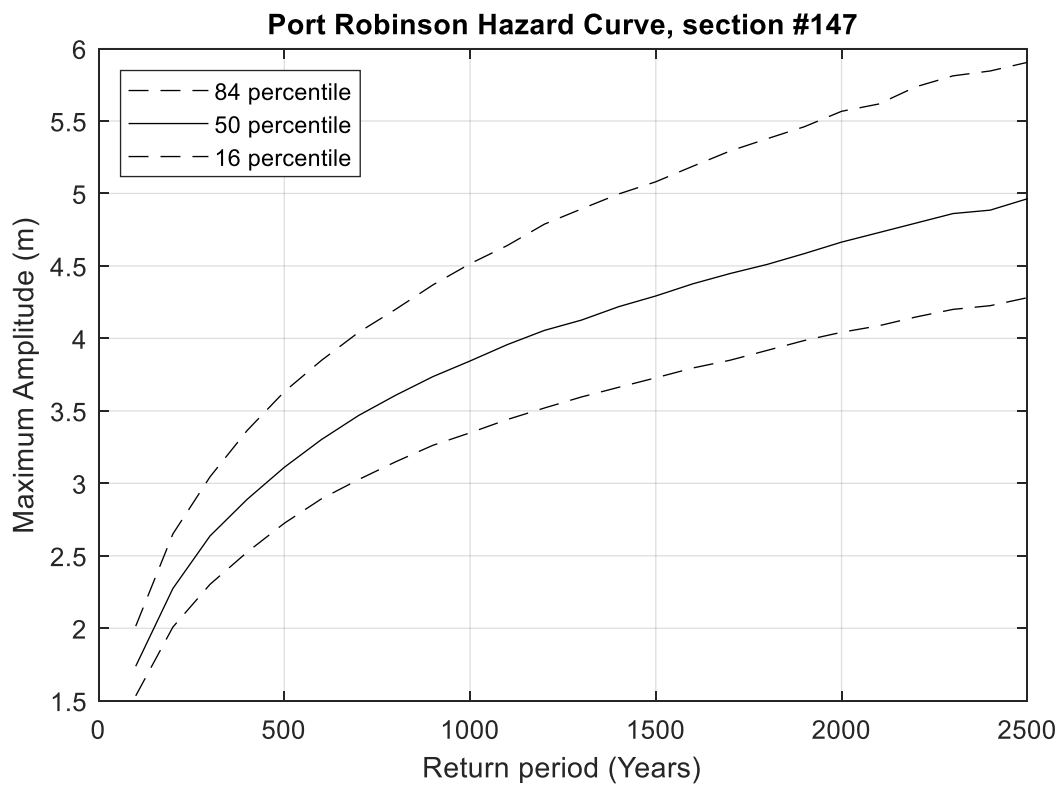
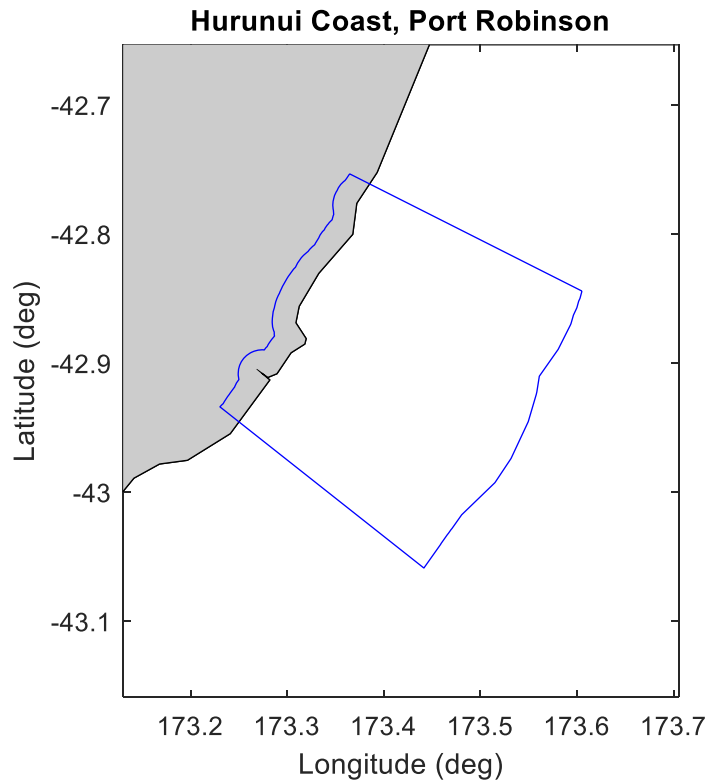
**Deaggregation of Section:146, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.60 m**



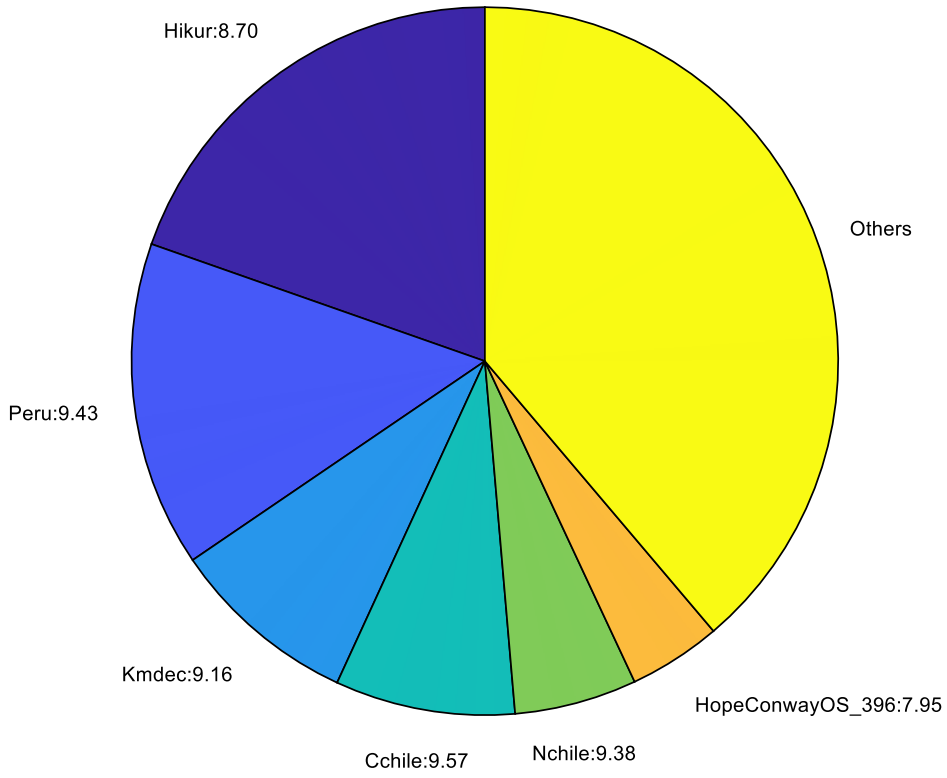
**Deaggregation of Section:146, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.12 m**



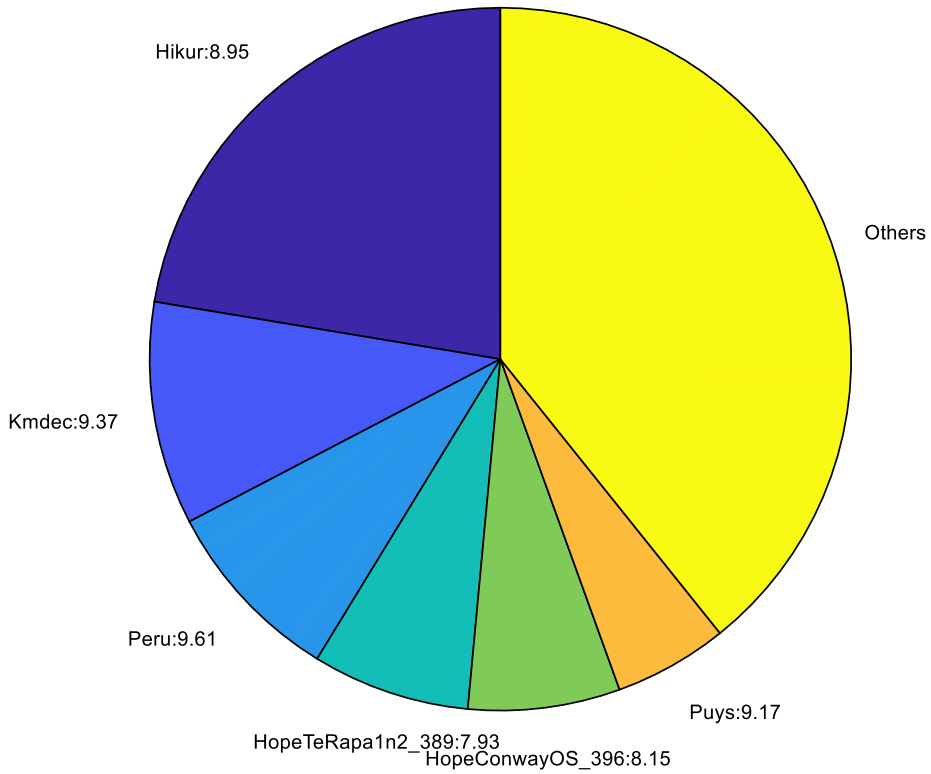
# A1.147 Coastal Section 147: Port Robinson



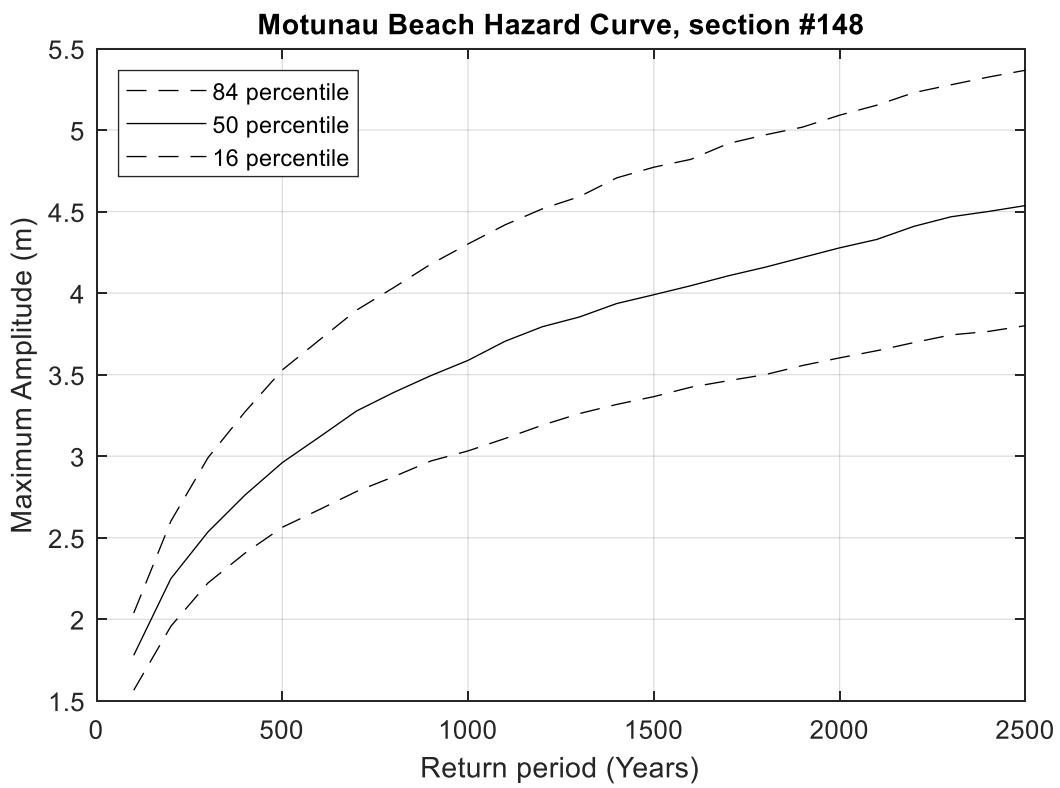
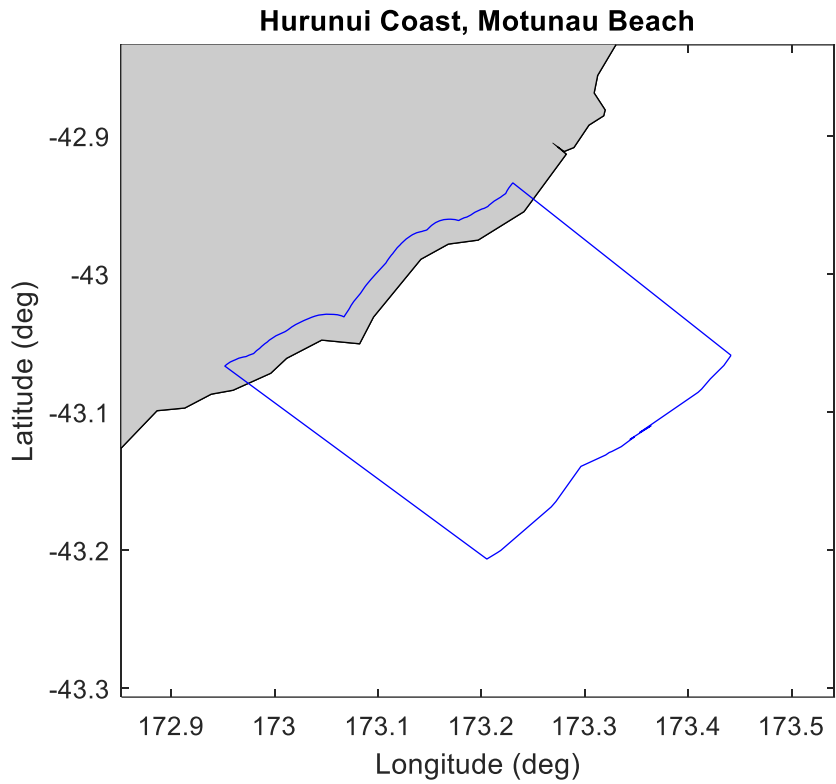
**Deaggregation of Section:147, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.11 m**



**Deaggregation of Section:147, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.96 m**

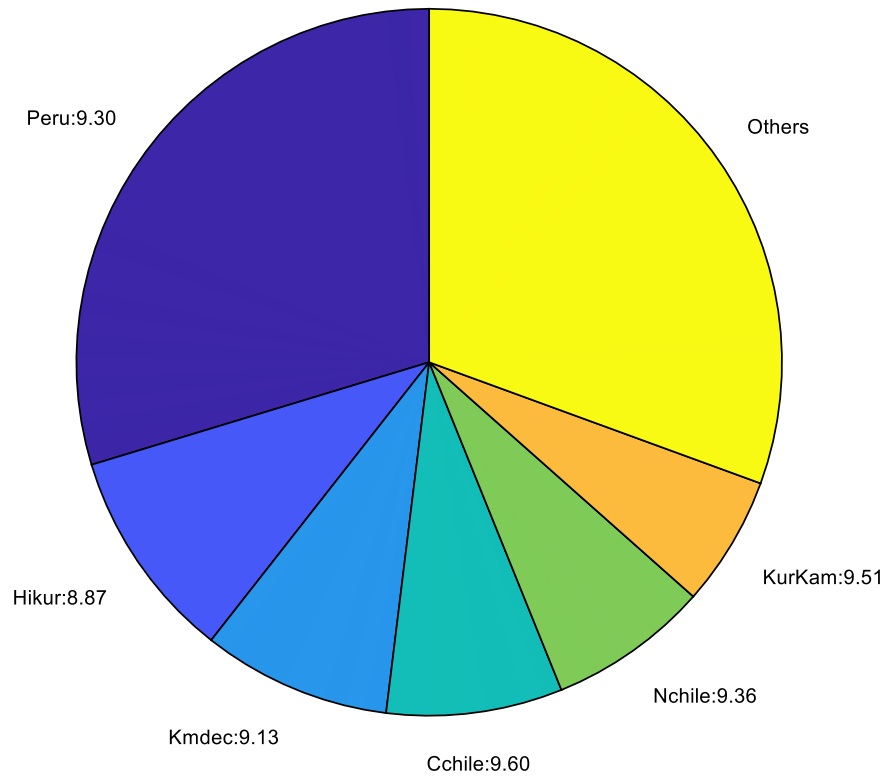


# A1.148 Coastal Section 148: Motunau Beach

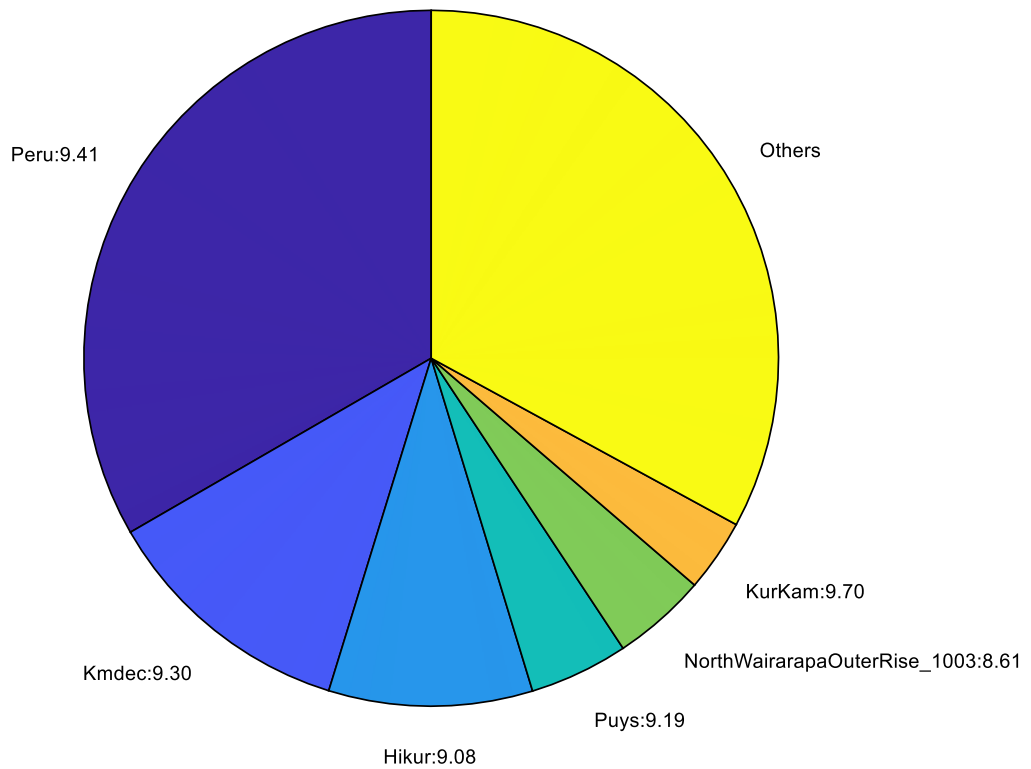




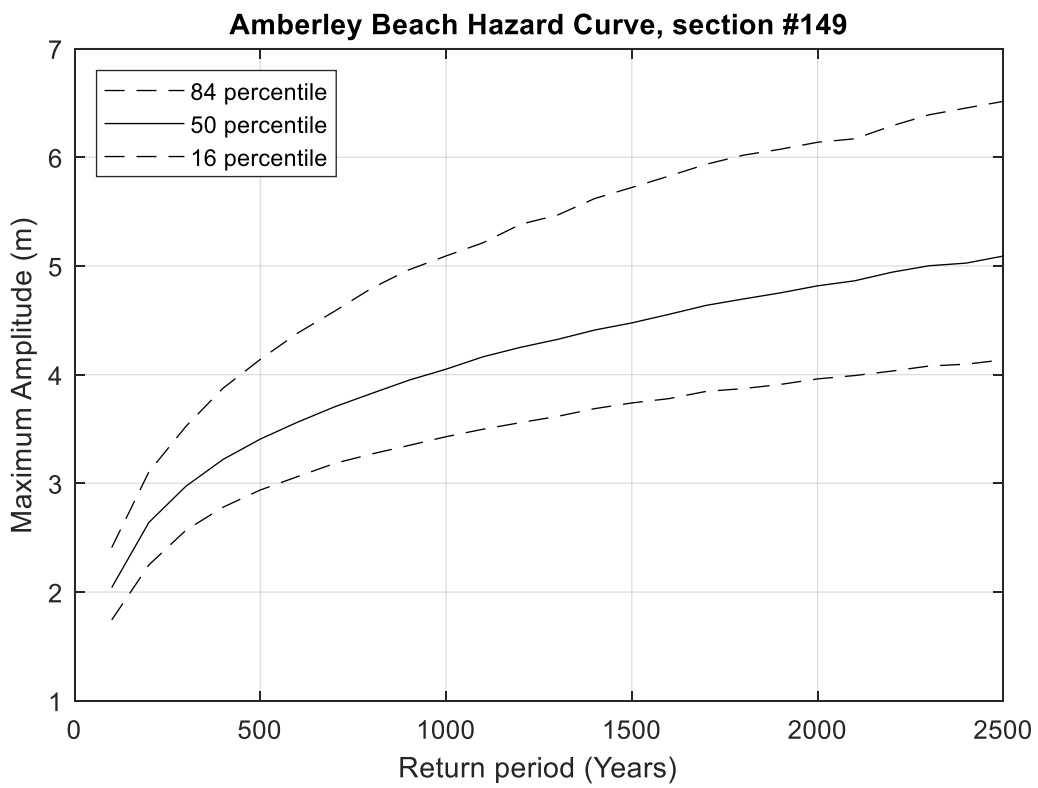
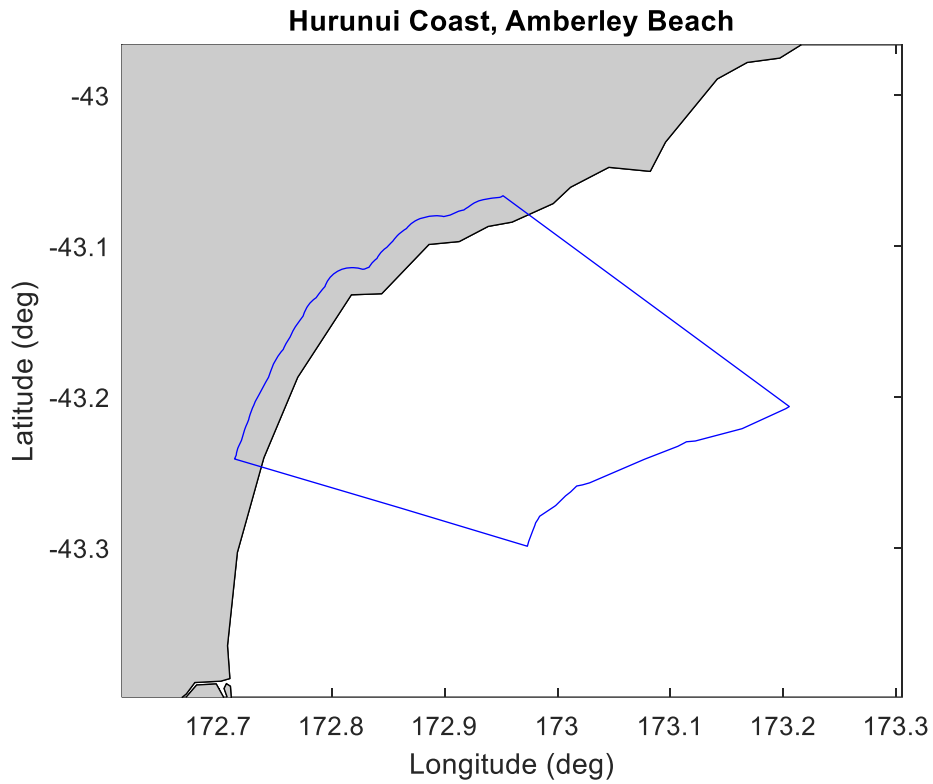
**Deaggregation of Section:148, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.96 m**



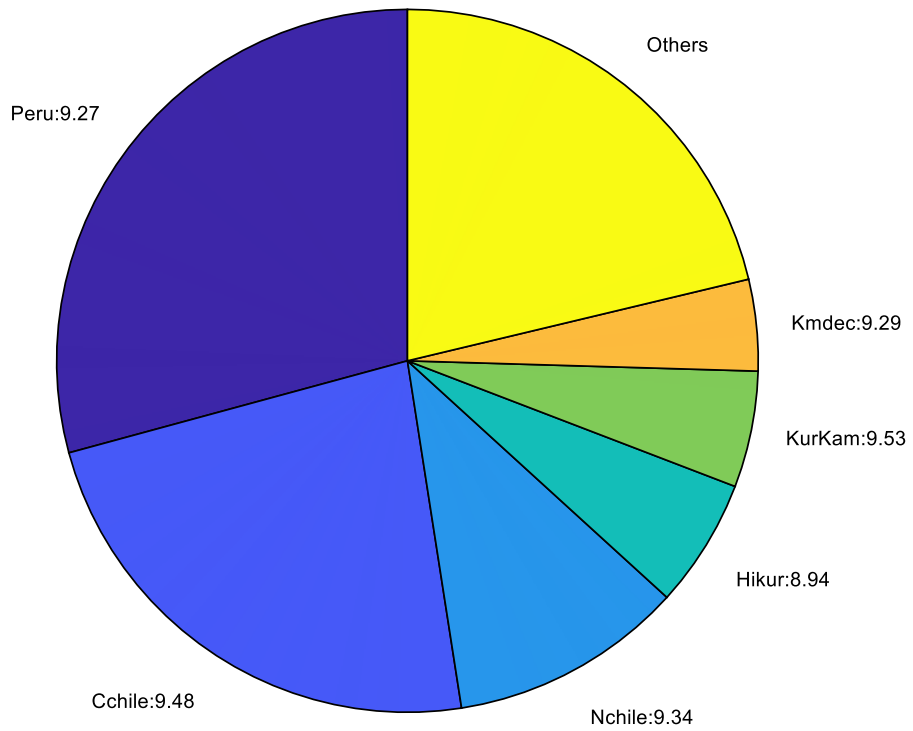
**Deaggregation of Section:148, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.54 m**



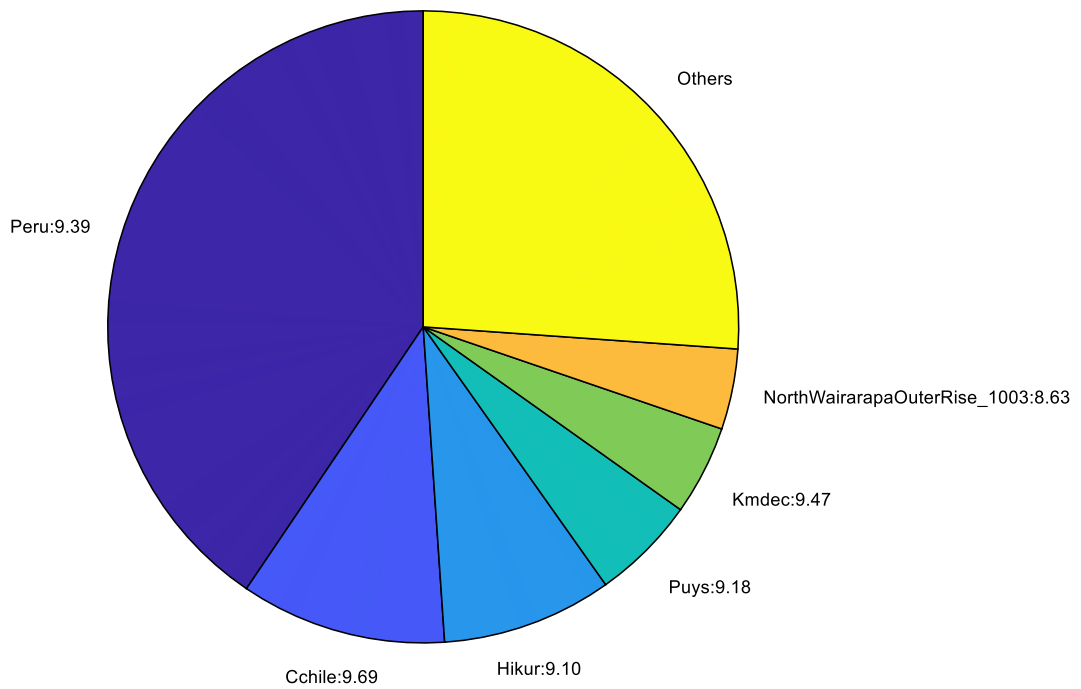
### A1.149 Coastal Section 149: Amberley Beach



Deaggregation of Section:149, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.41 m

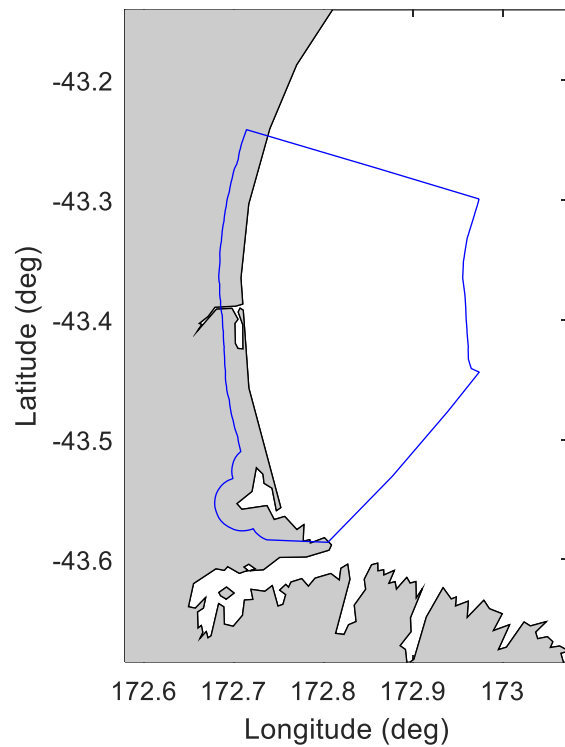


Deaggregation of Section:149, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.09 m

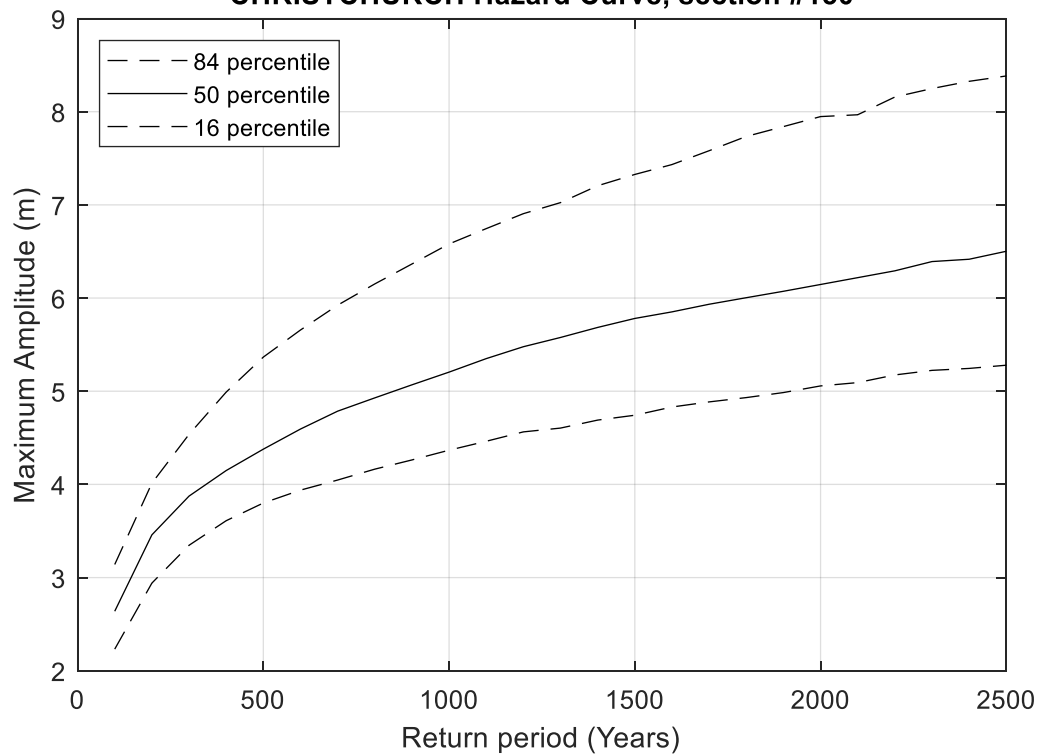


## A1.150 Coastal Section 150: Christchurch

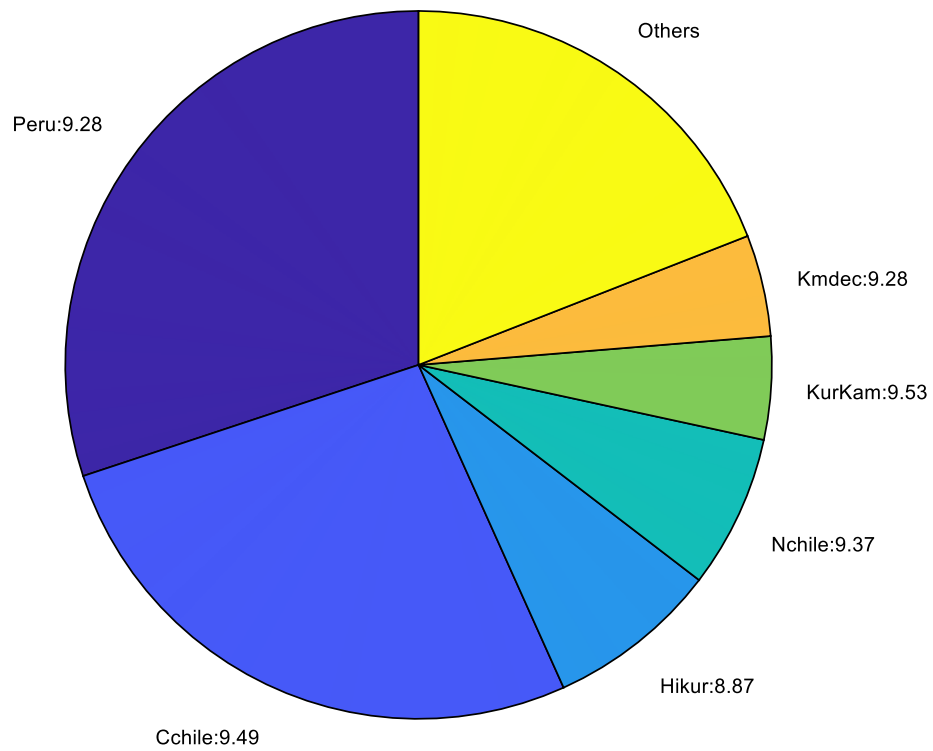
### Christchurch North Coast, CHRISTCHURCH



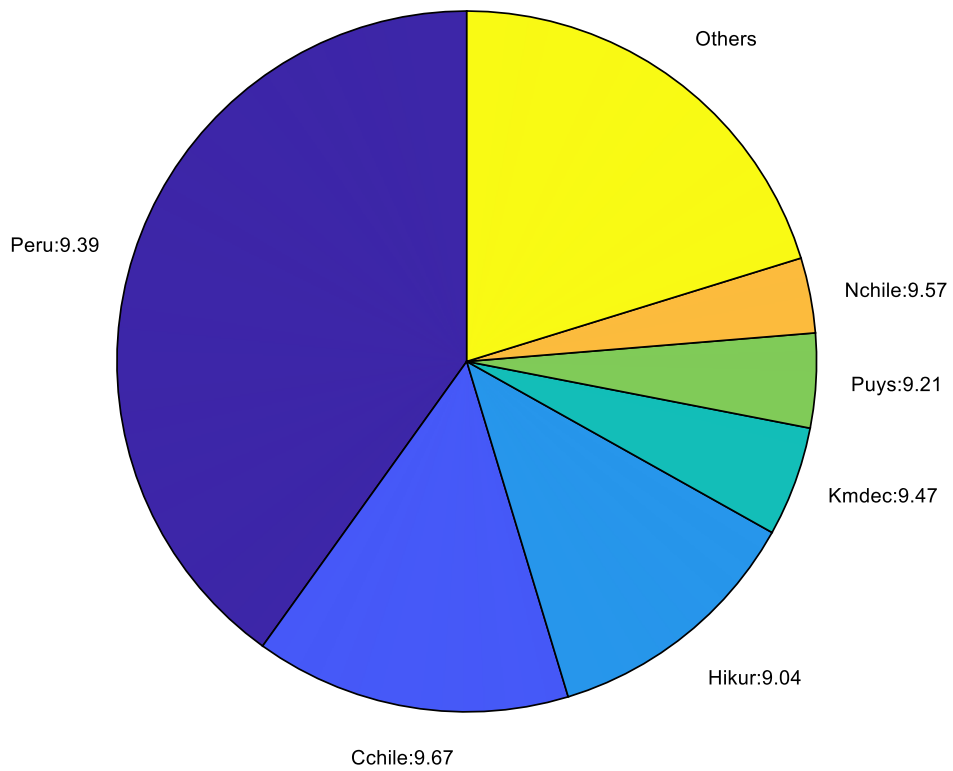
### CHRISTCHURCH Hazard Curve, section #150



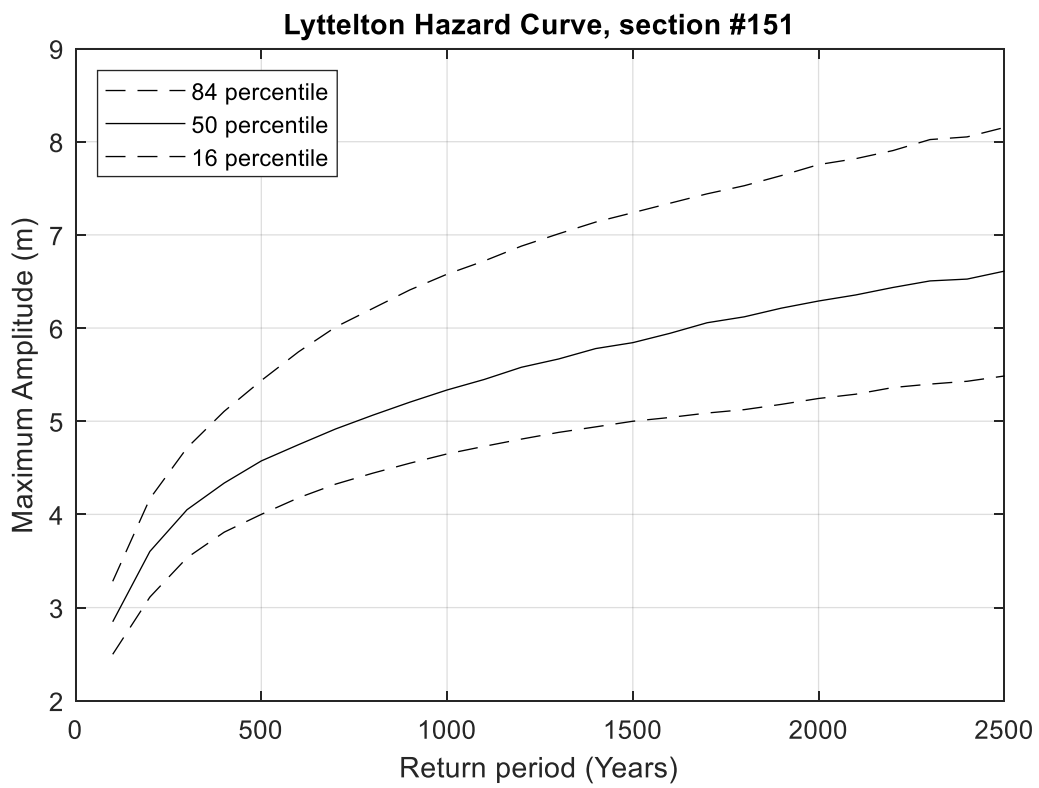
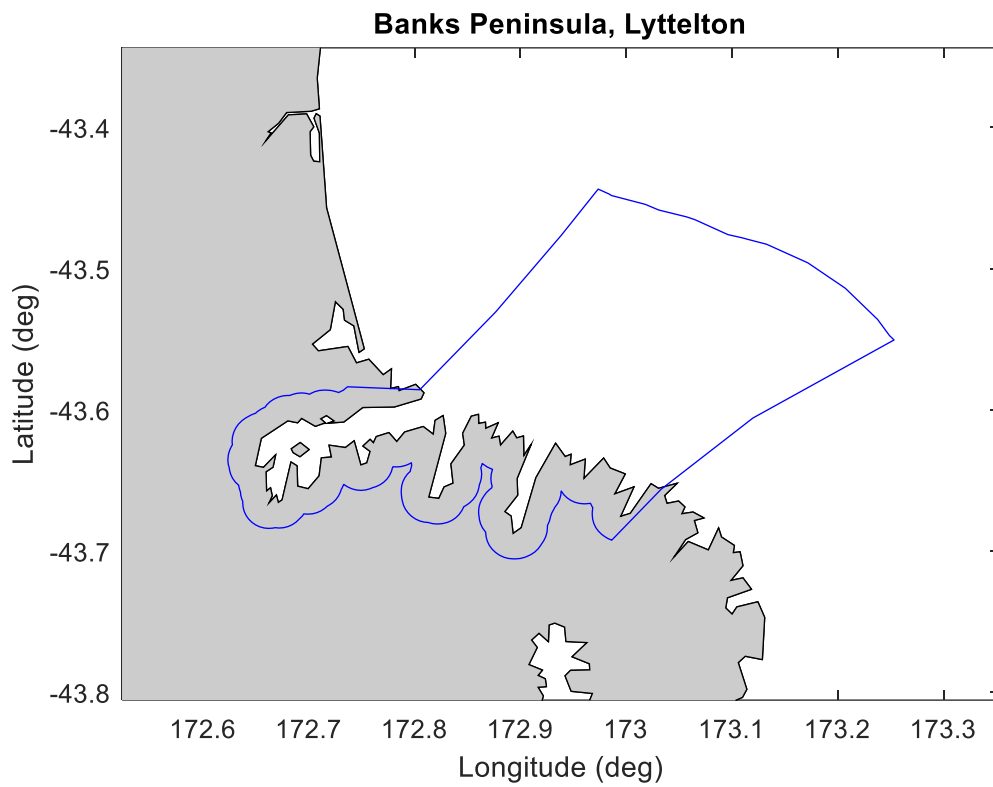
Deaggregation of Section:150, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.38 m



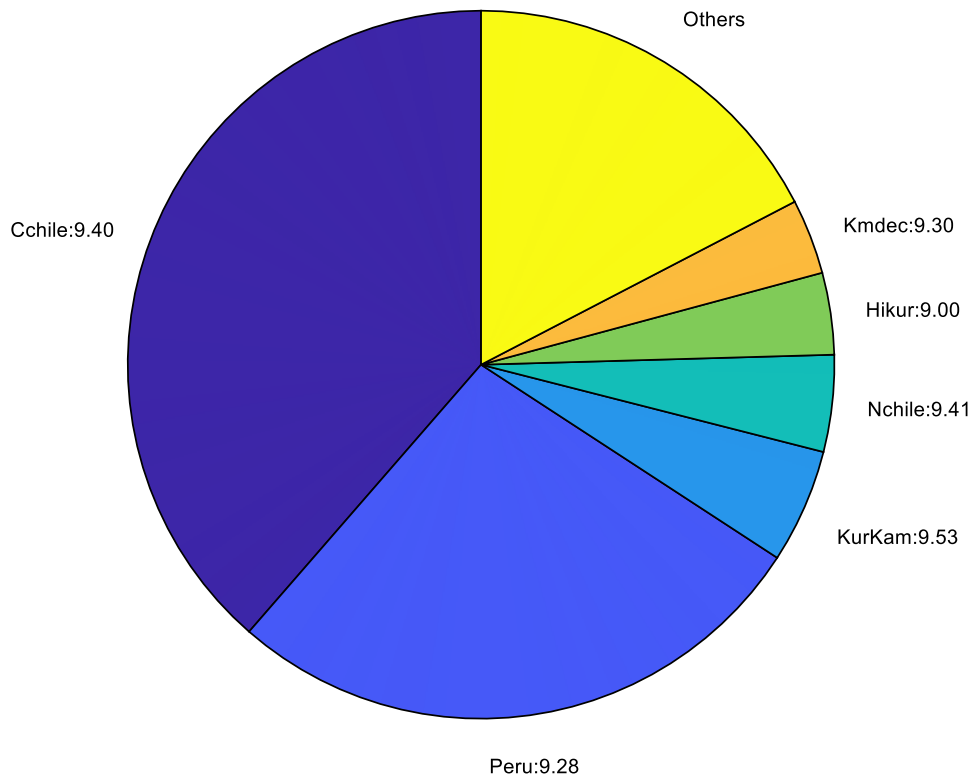
Deaggregation of Section:150, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.50 m



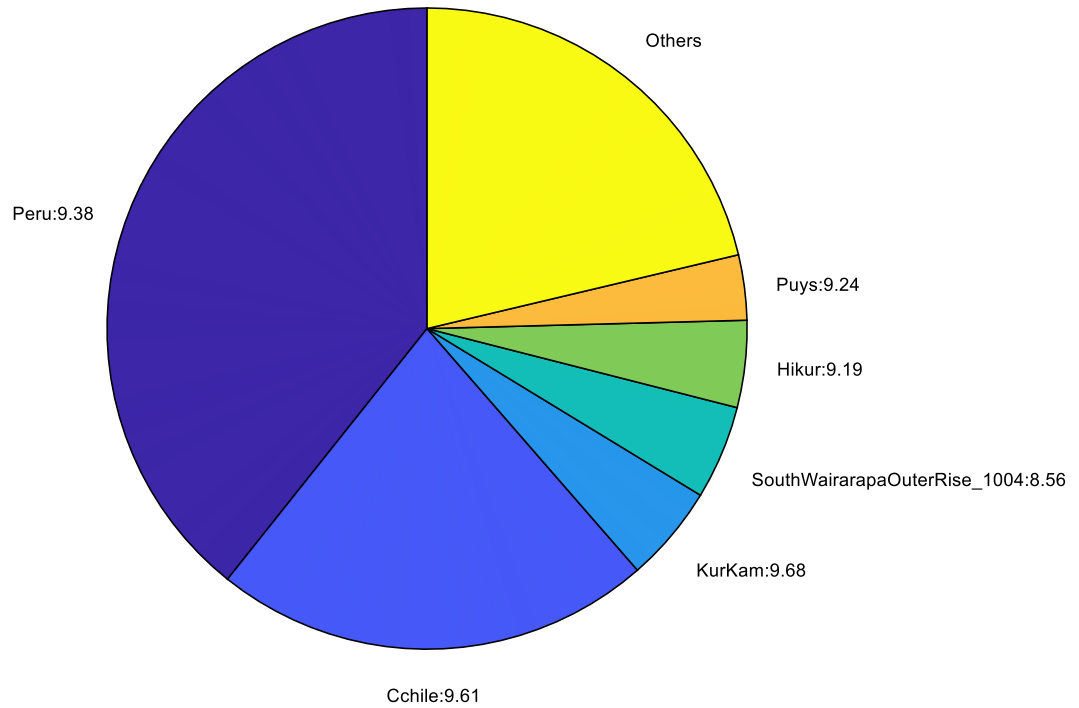
### A1.151 Coastal Section 151: Lyttelton



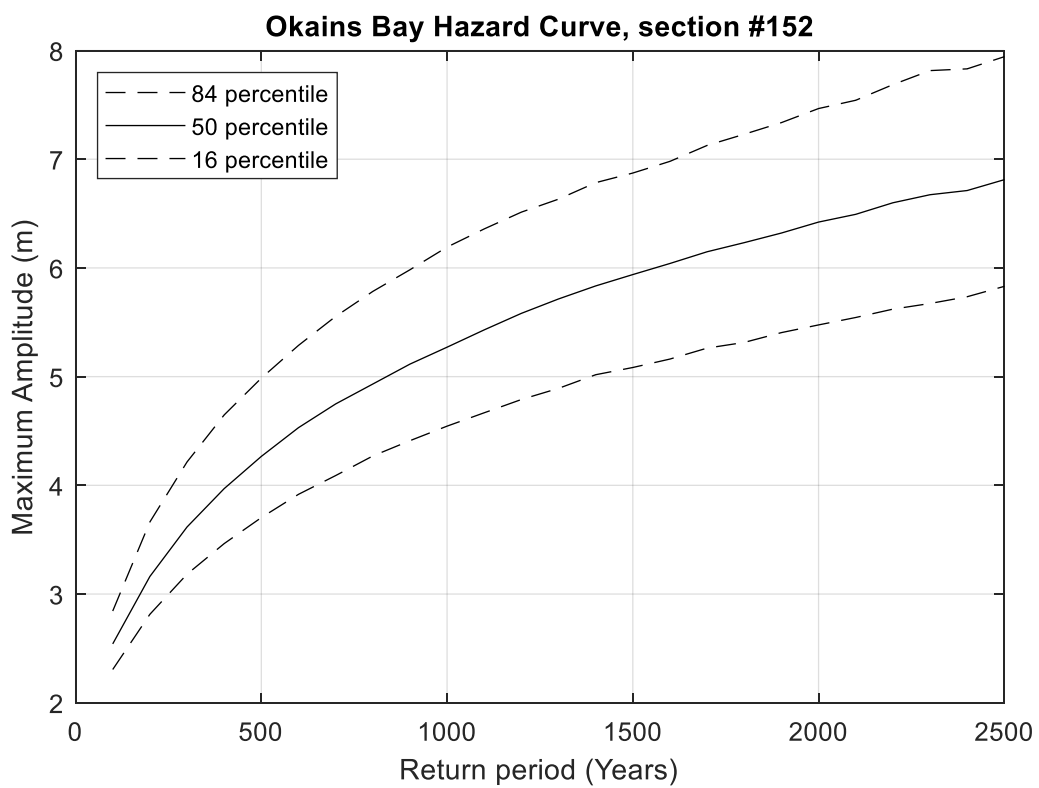
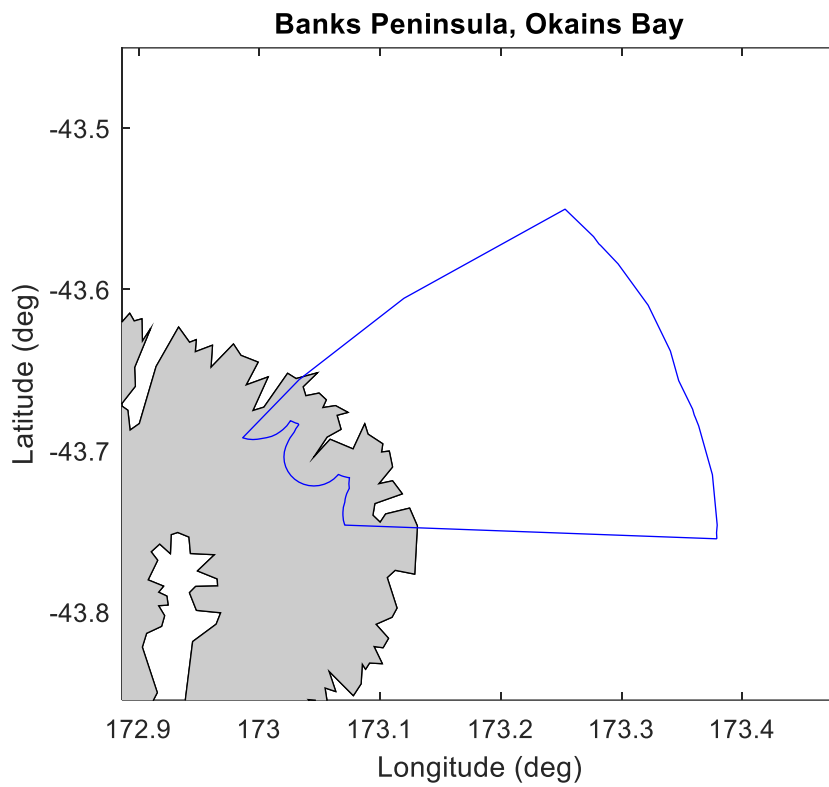
Deaggregation of Section:151, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.57 m



Deaggregation of Section:151, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.61 m

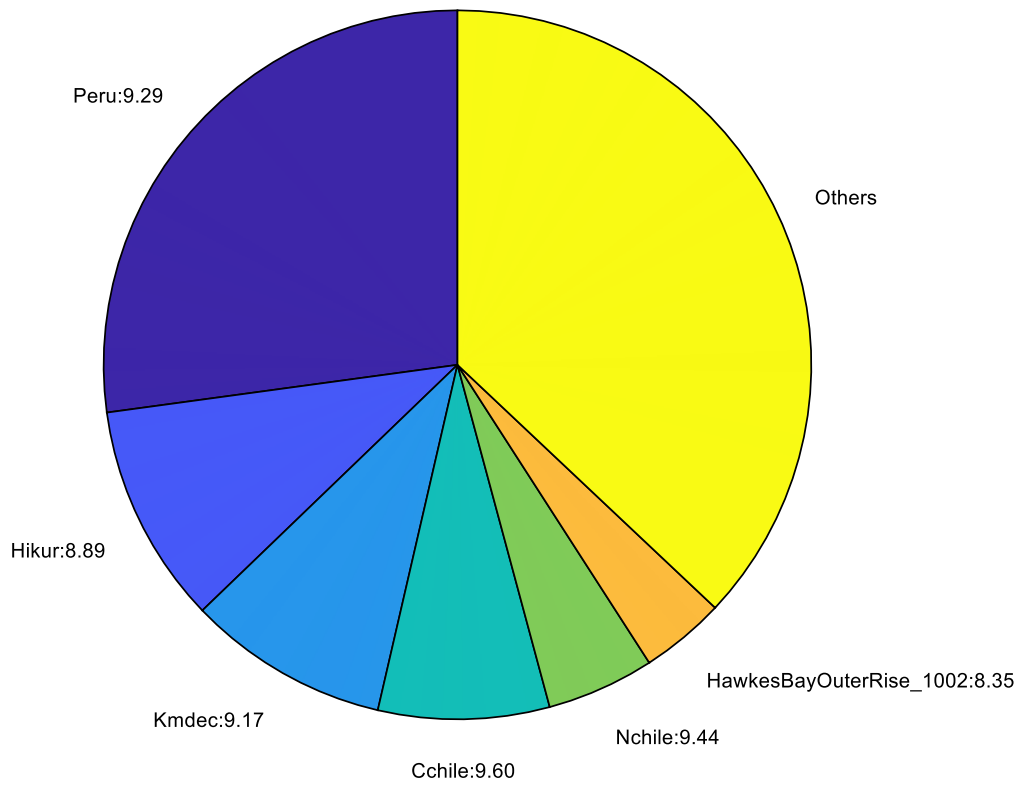


## A1.152 Coastal Section 152: Okains Bay

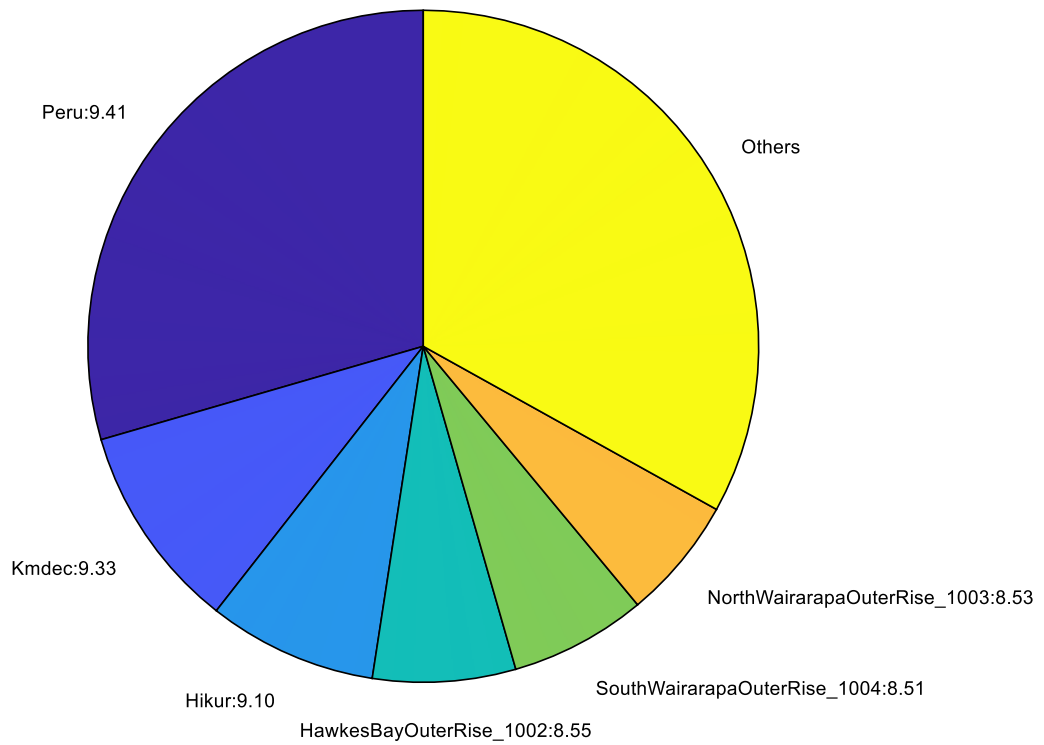




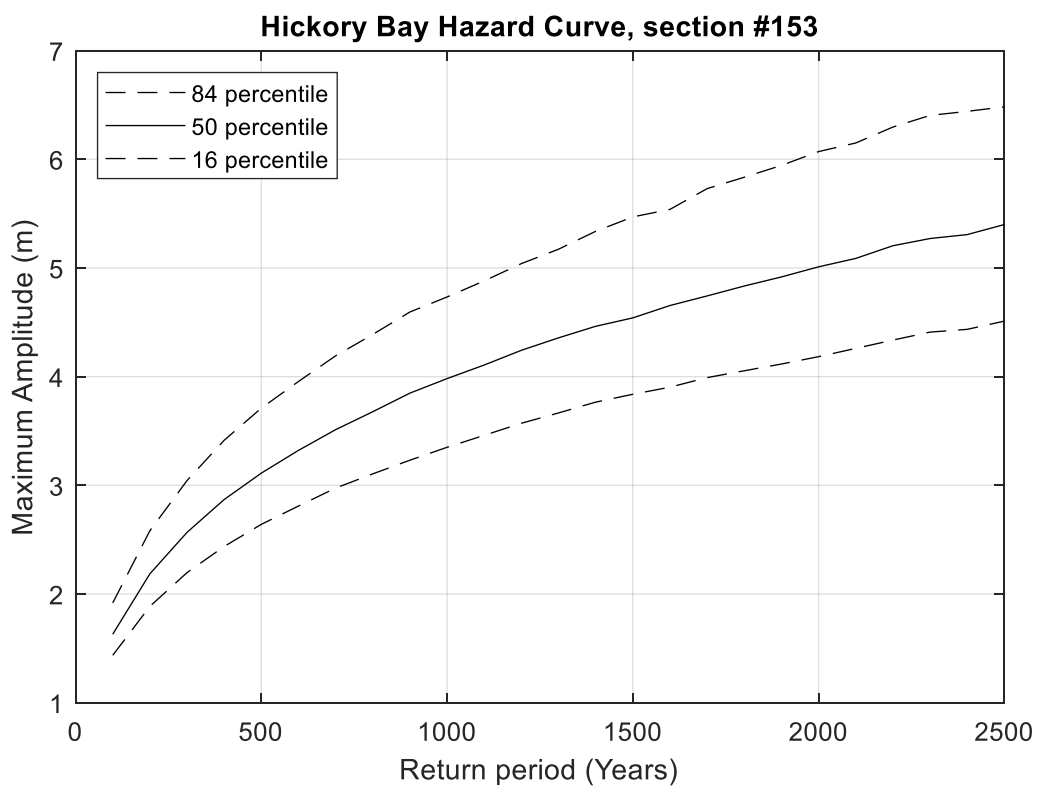
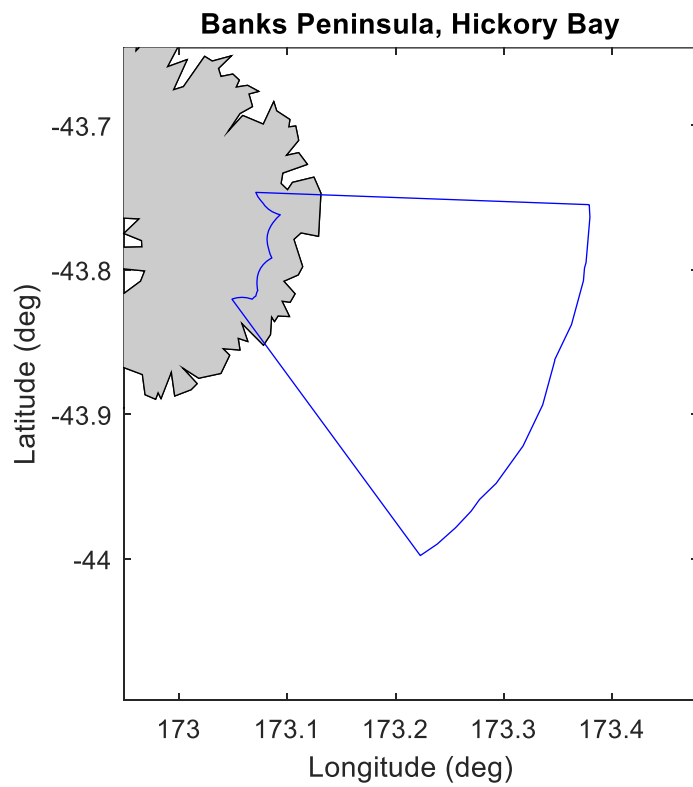
**Deaggregation of Section:152, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.26 m**



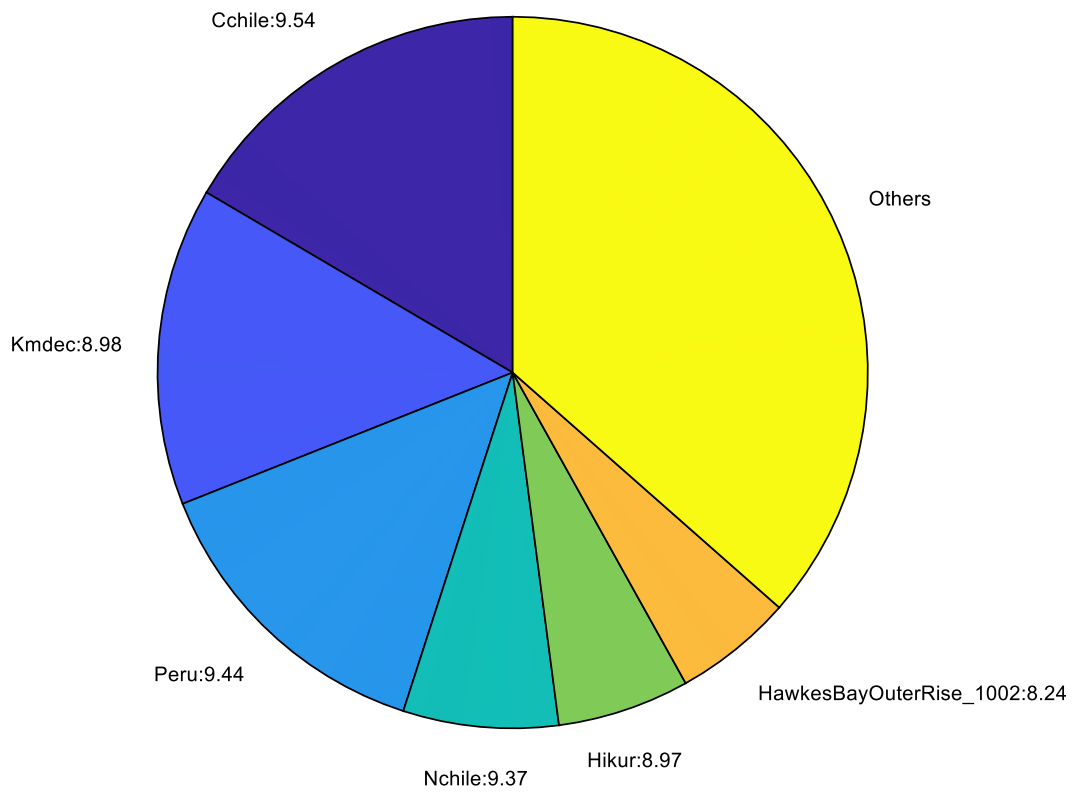
**Deaggregation of Section:152, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.81 m**



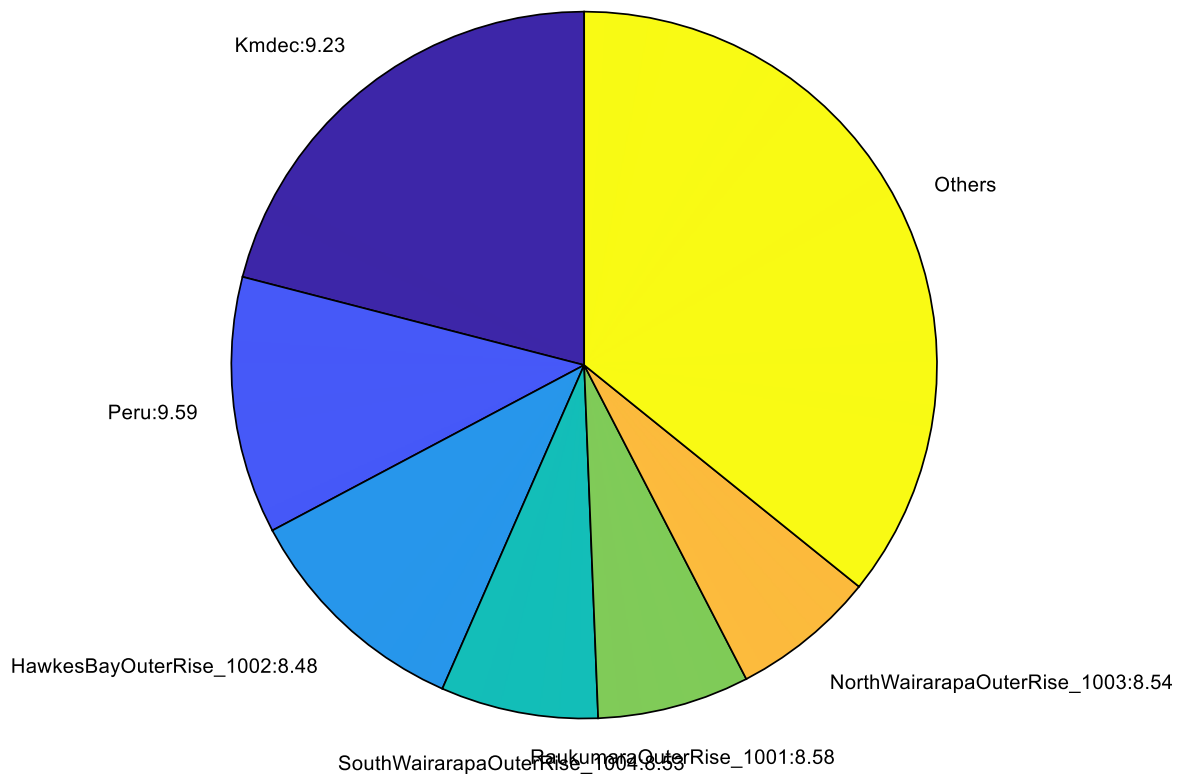
### A1.153 Coastal Section 153: Hickory Bay



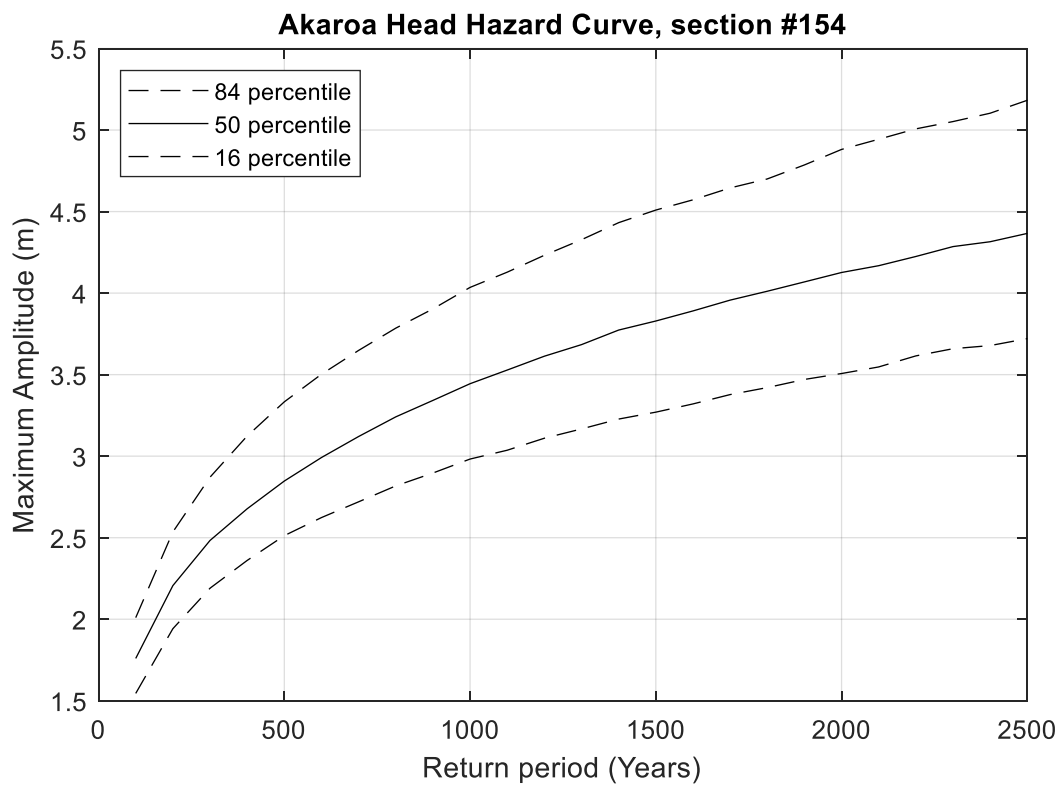
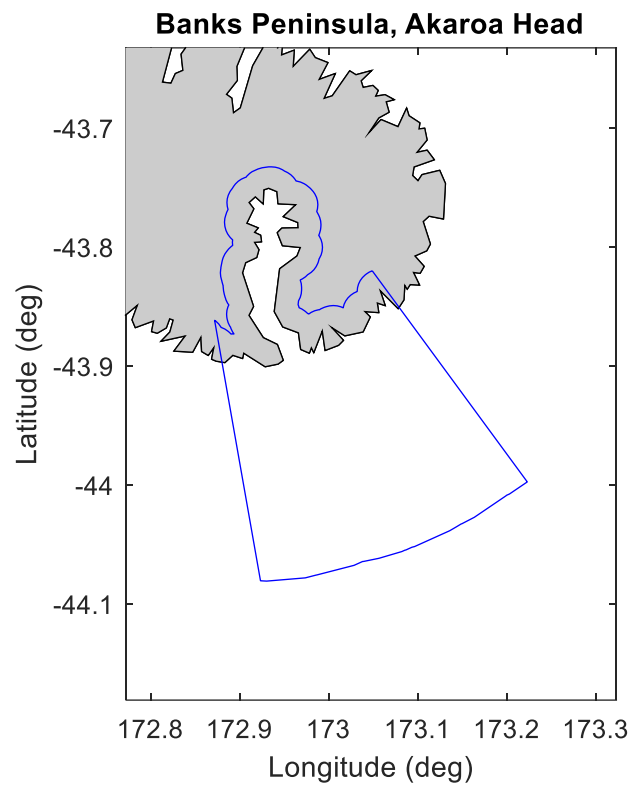
Deaggregation of Section:153, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.11 m



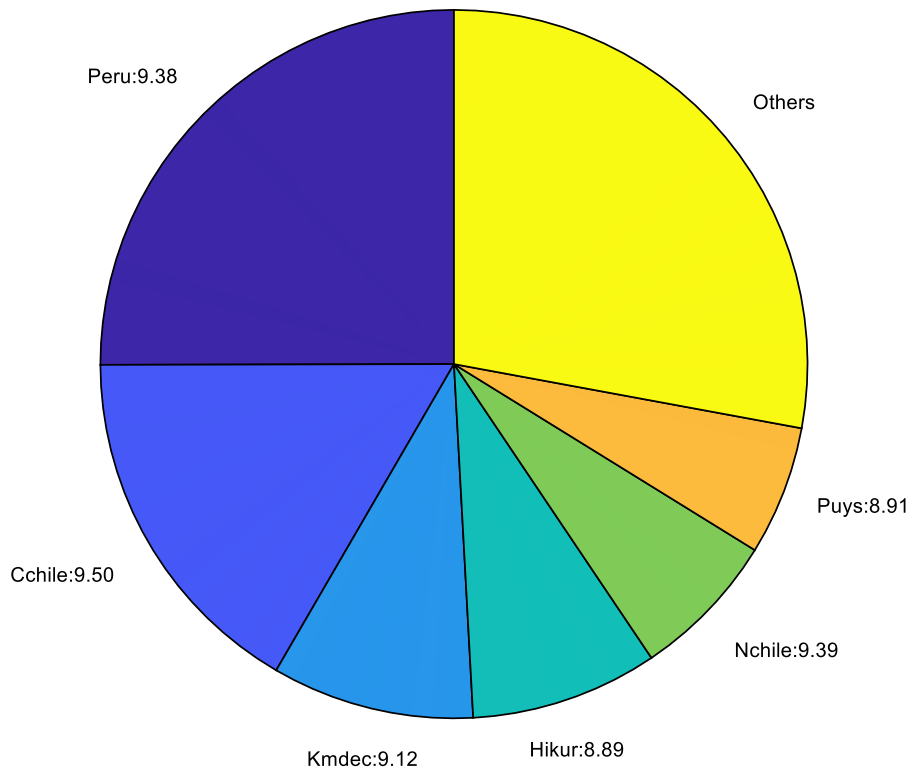
Deaggregation of Section:153, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.40 m



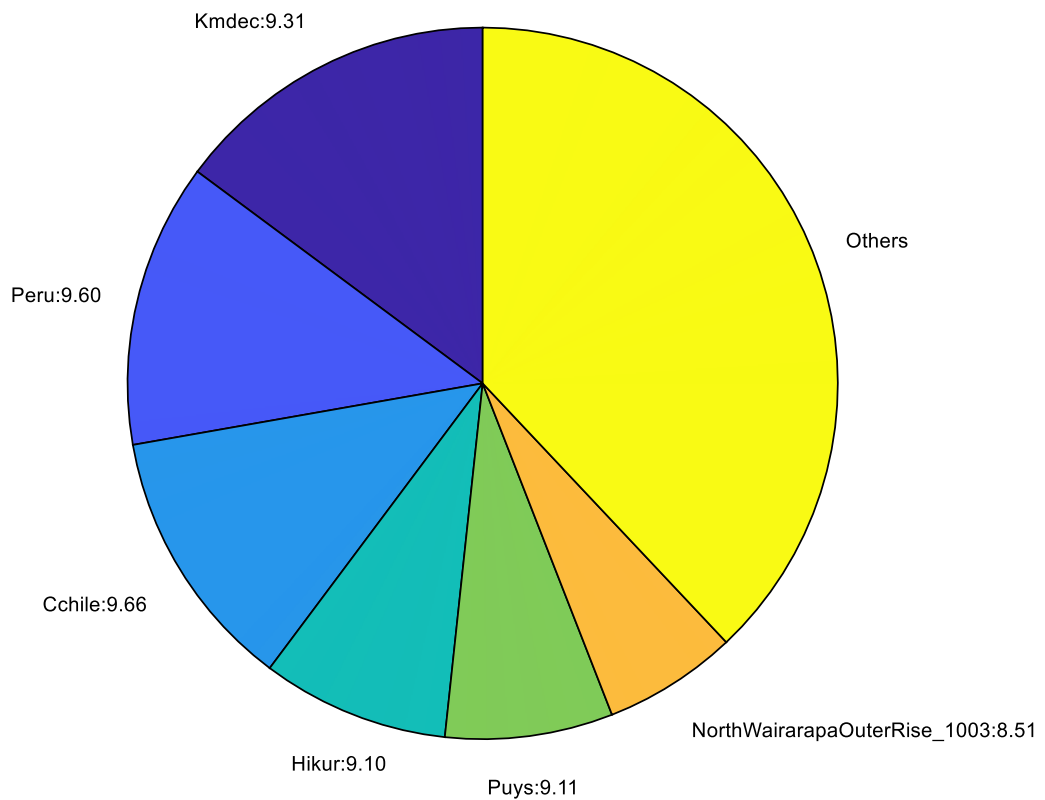
### A1.154 Coastal Section 154: Akaroa Head



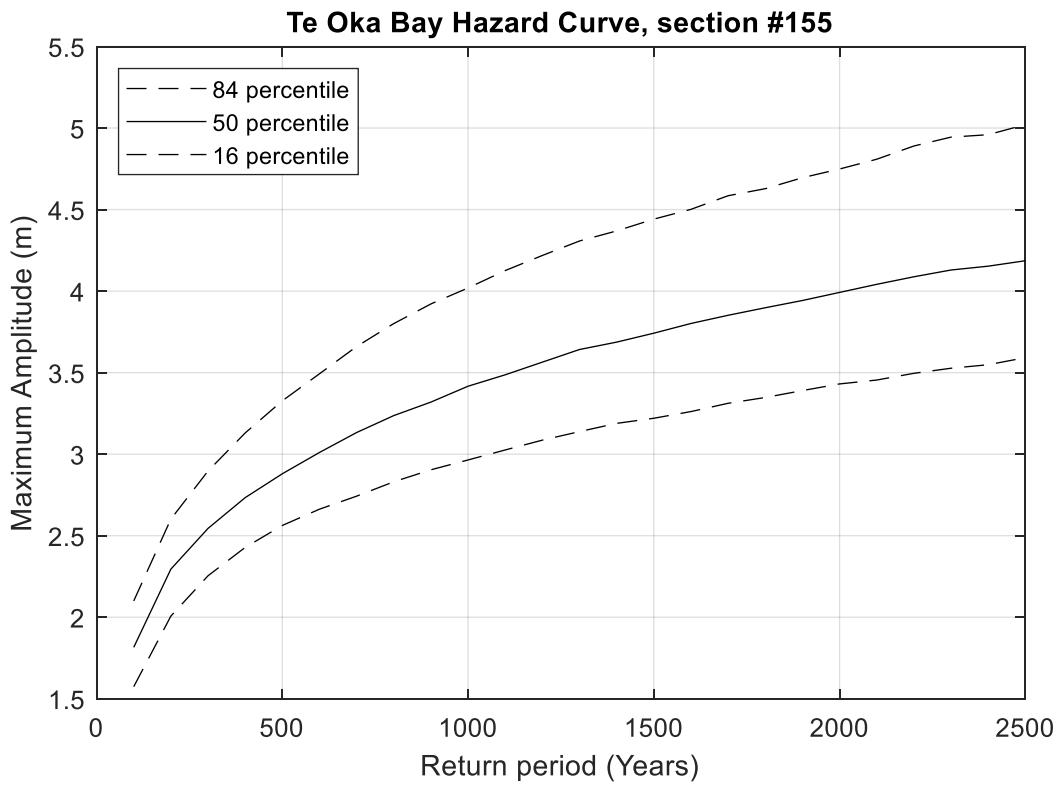
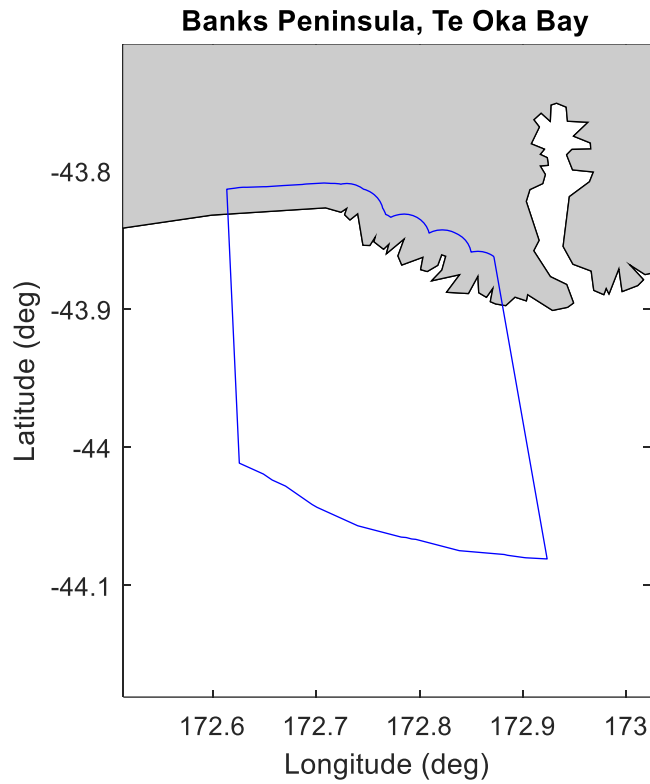
Deaggregation of Section:154, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.85 m



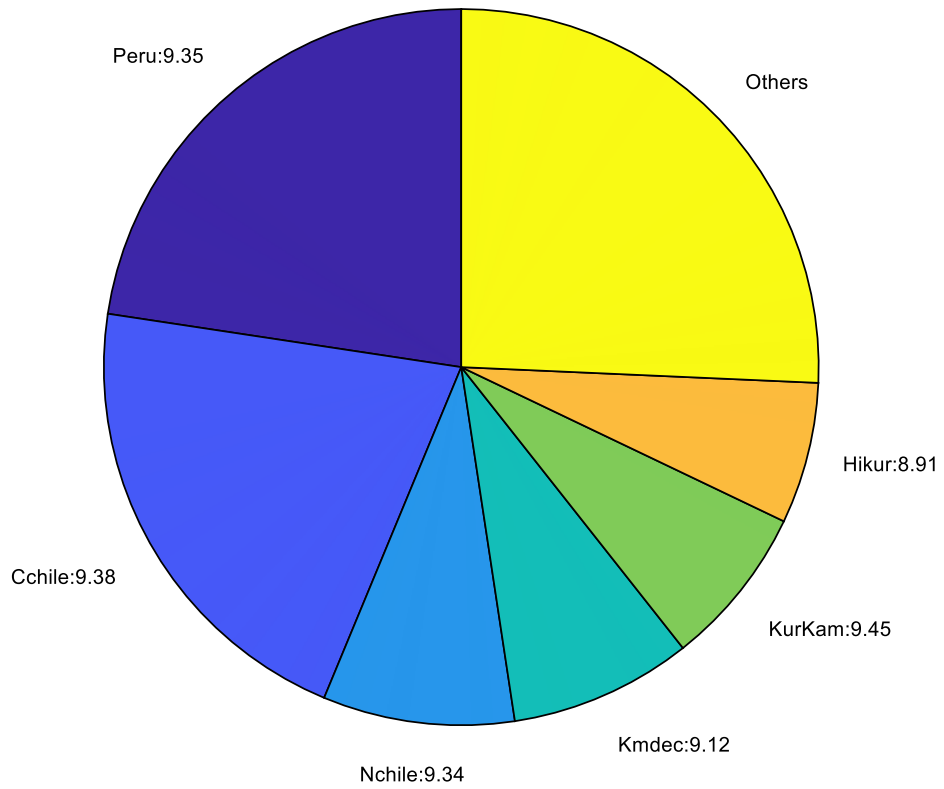
Deaggregation of Section:154, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.36 m



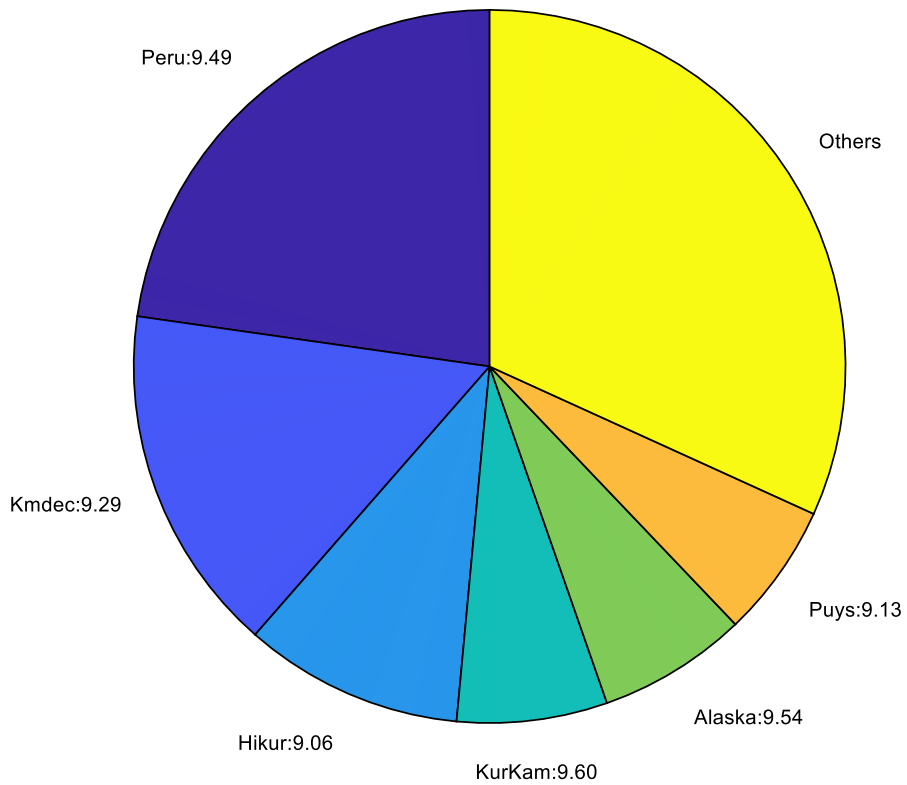
# A1.155 Coastal Section 155: Te Oka Bay



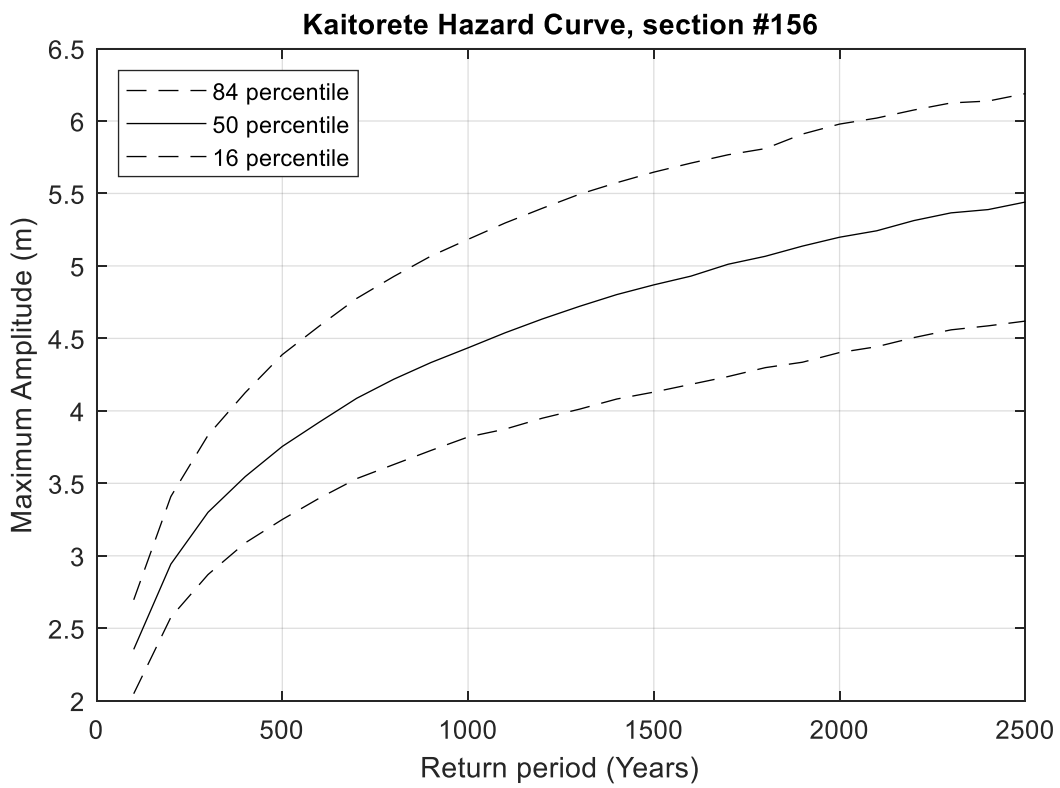
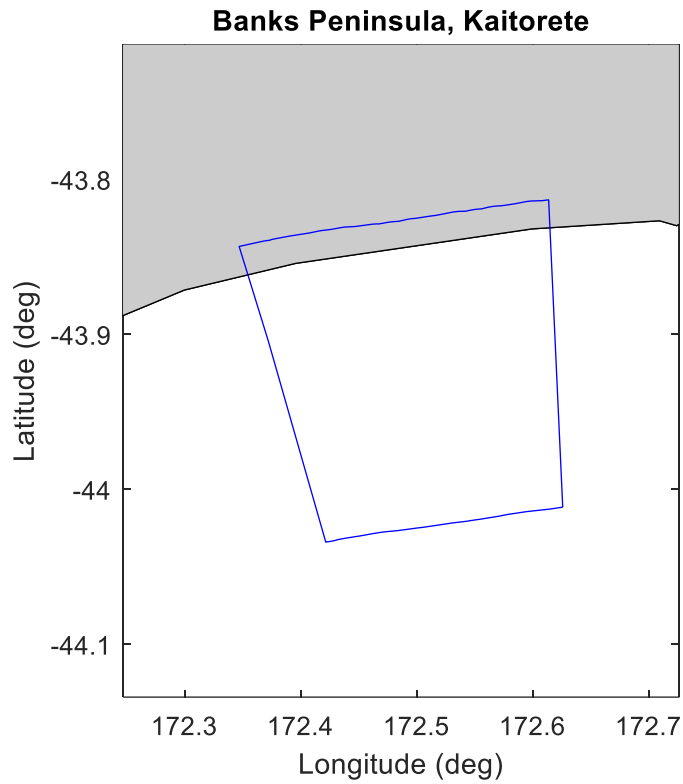
Deaggregation of Section:155, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.88 m



Deaggregation of Section:155, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.19 m

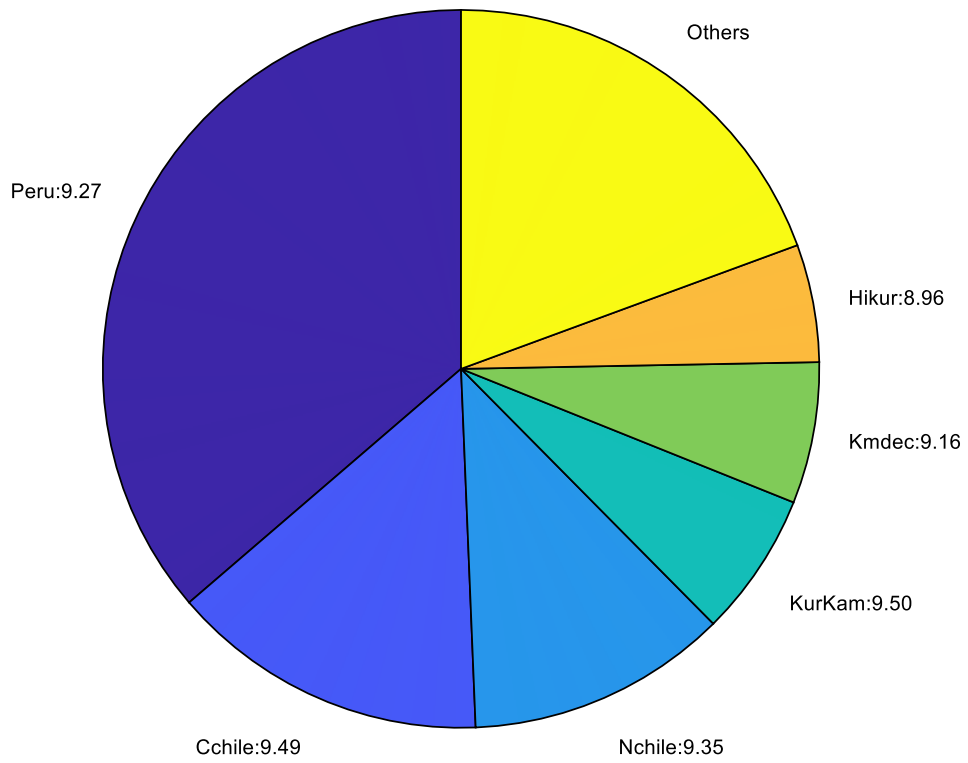


**A1.156 Coastal Section 156: Kaitorete**

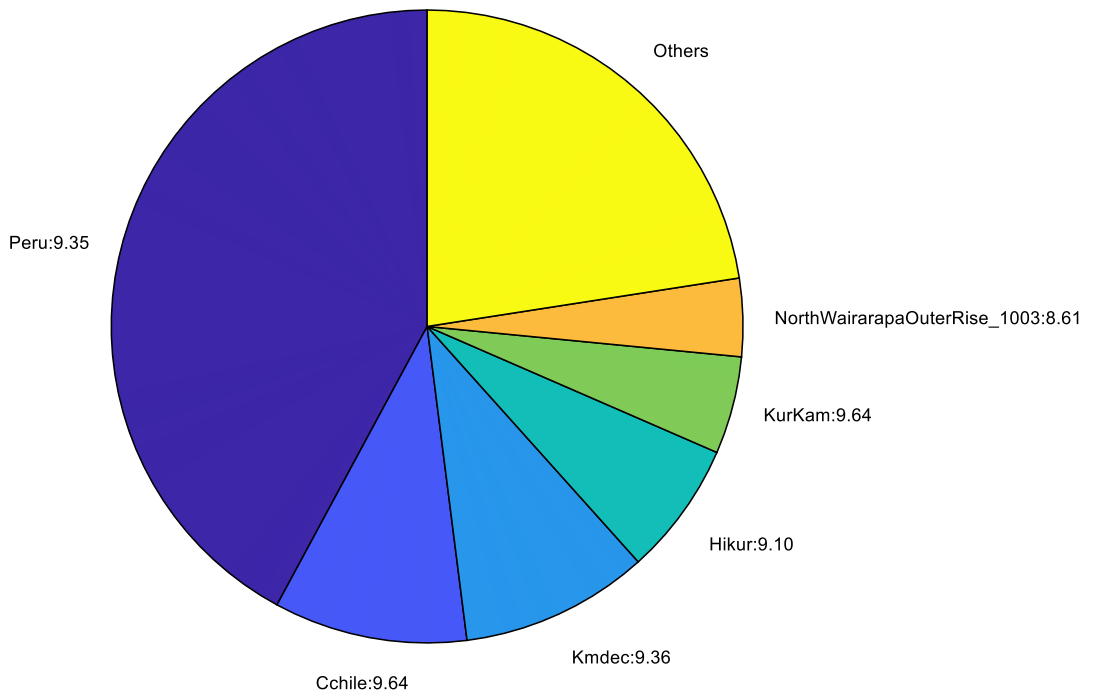




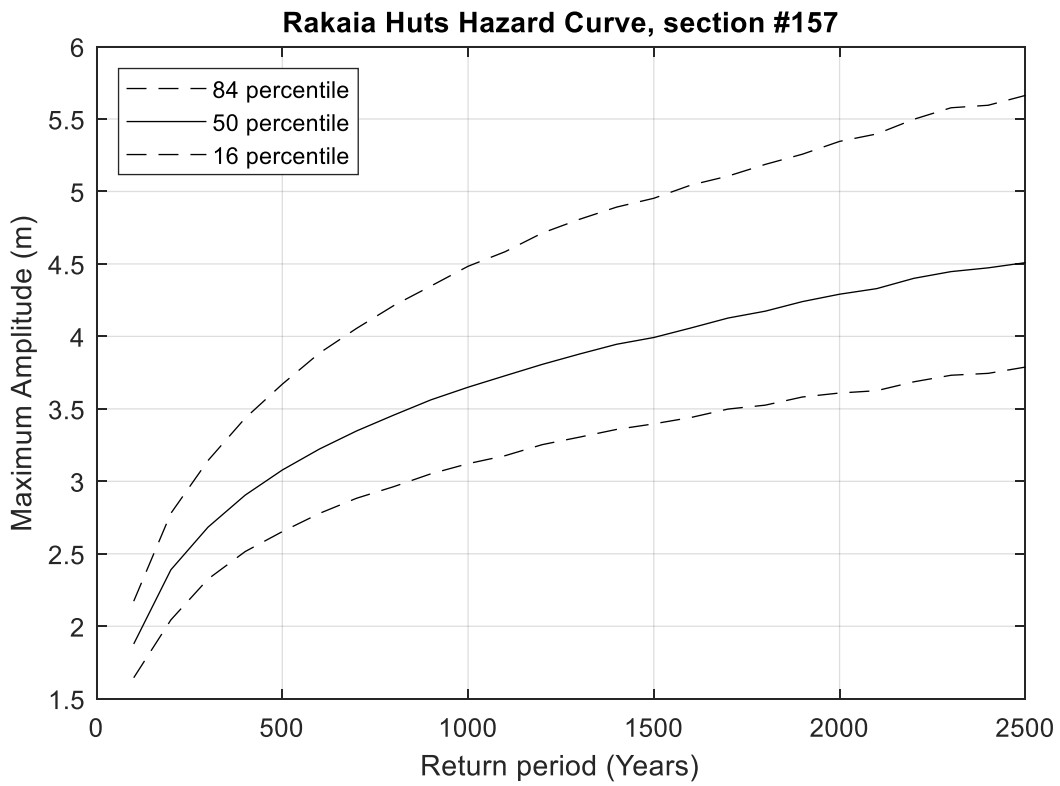
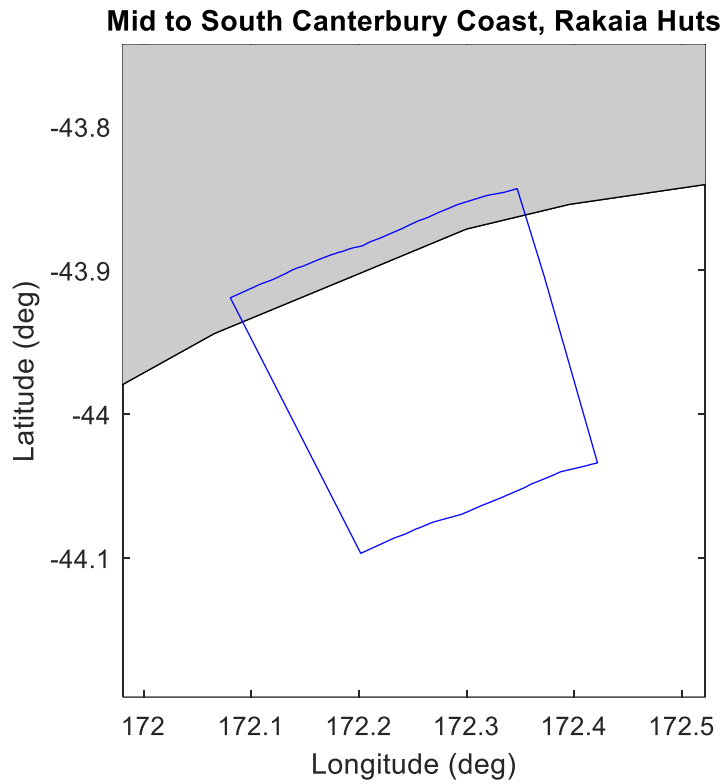
Deaggregation of Section:156, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.75 m



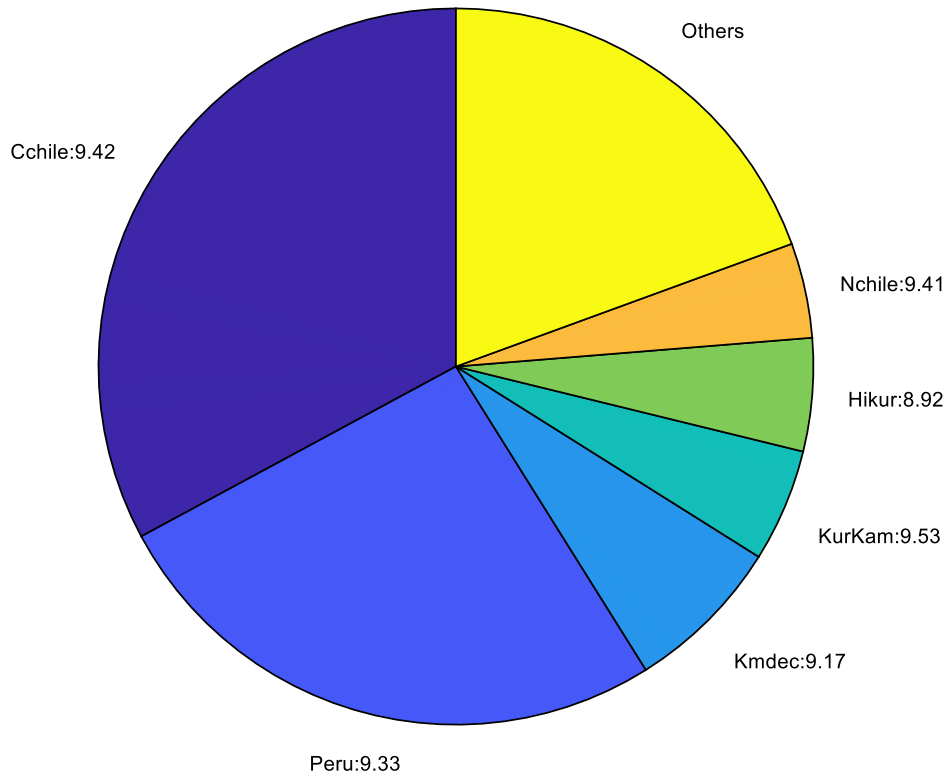
Deaggregation of Section:156, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.44 m



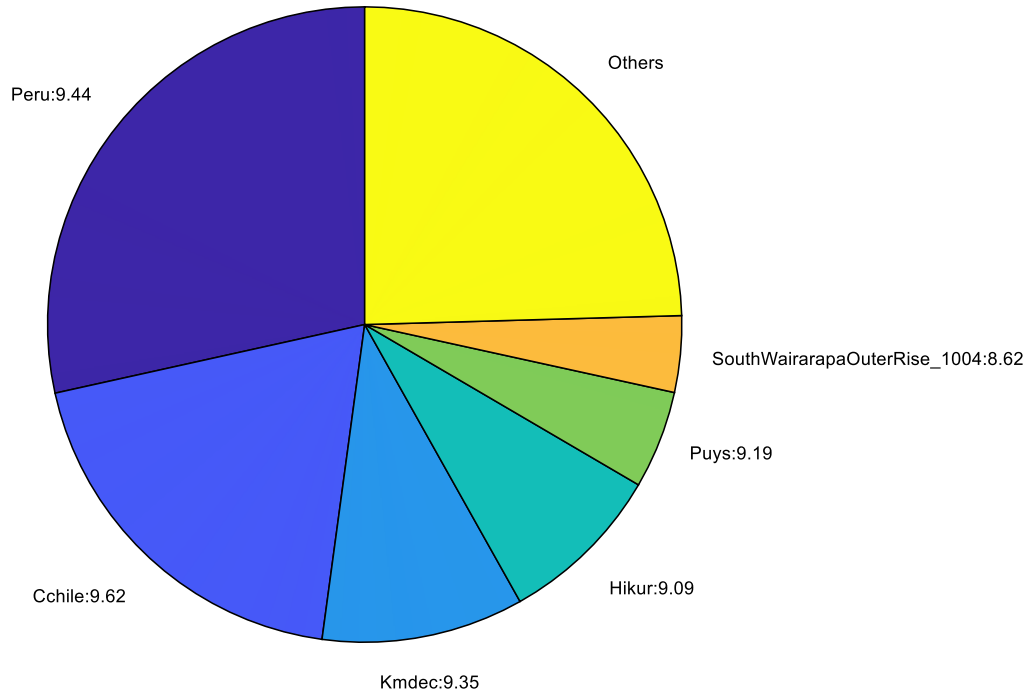
# A1.157 Coastal Section 157: Rakaia Huts



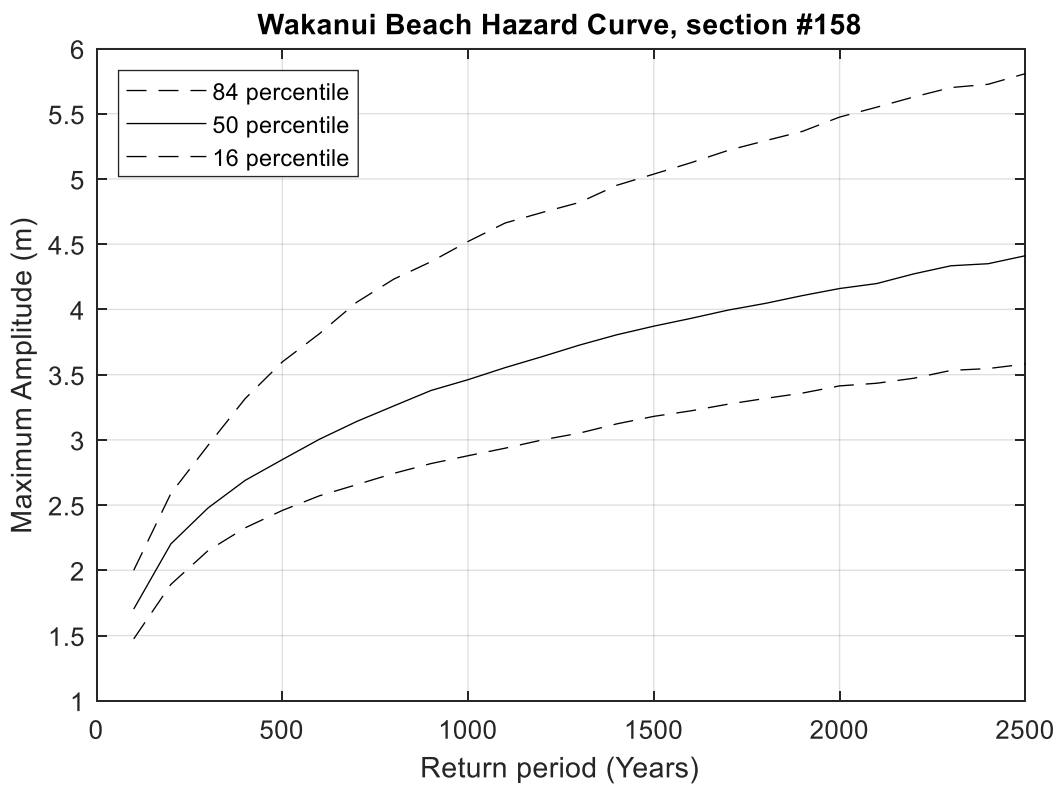
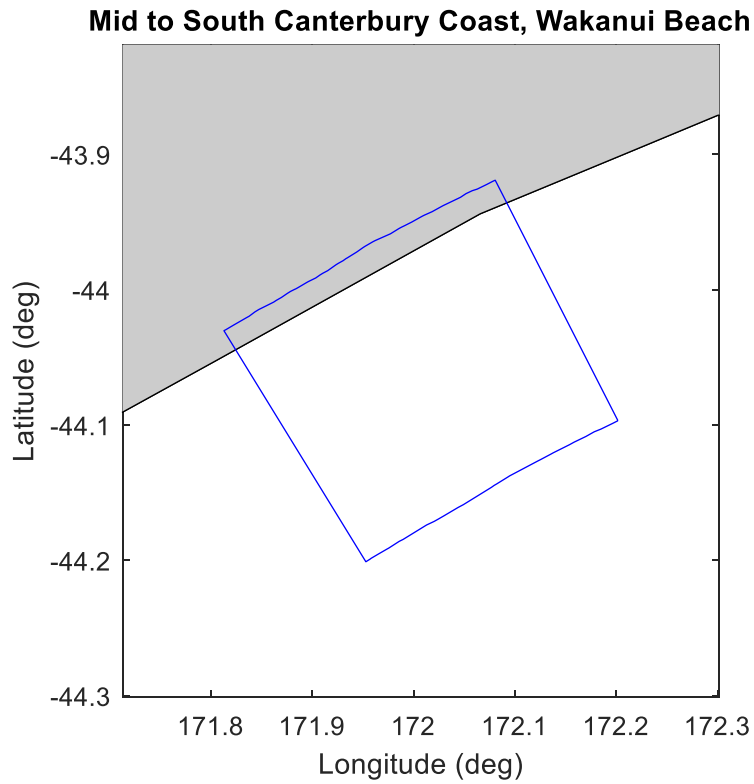
Deaggregation of Section:157, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.08 m



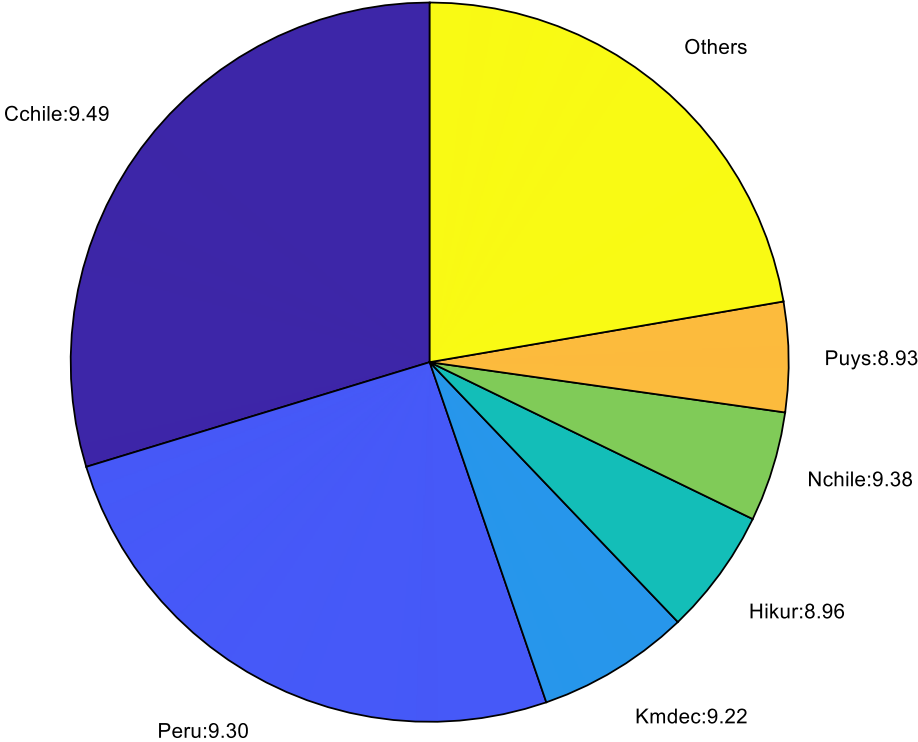
Deaggregation of Section:157, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.50 m



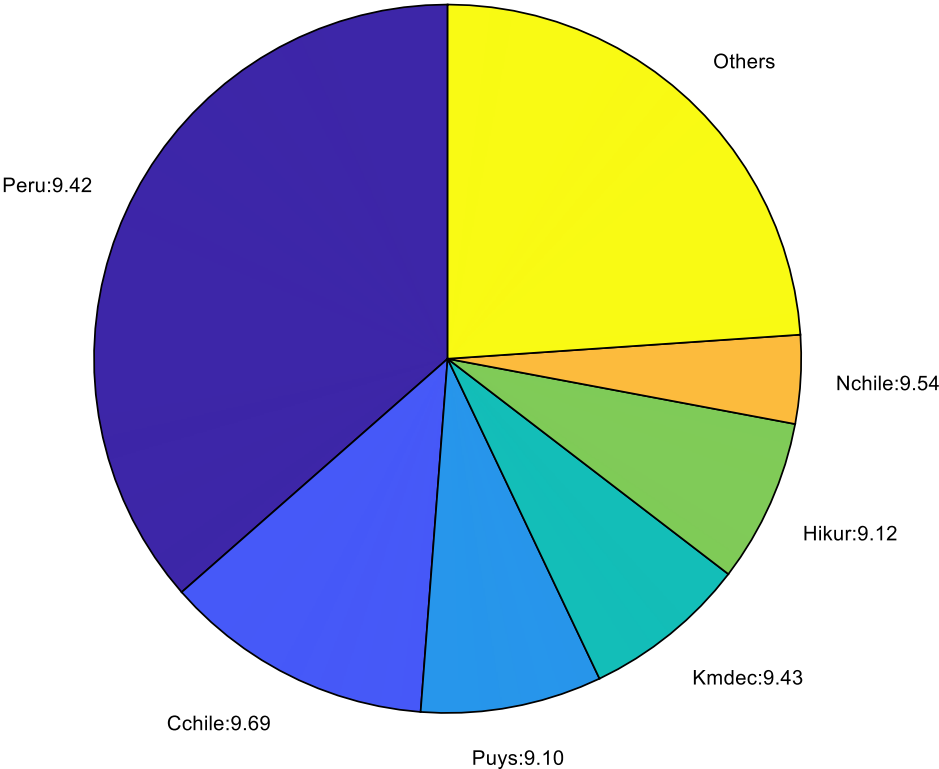
# A1.158 Coastal Section 158: Wakanui Beach



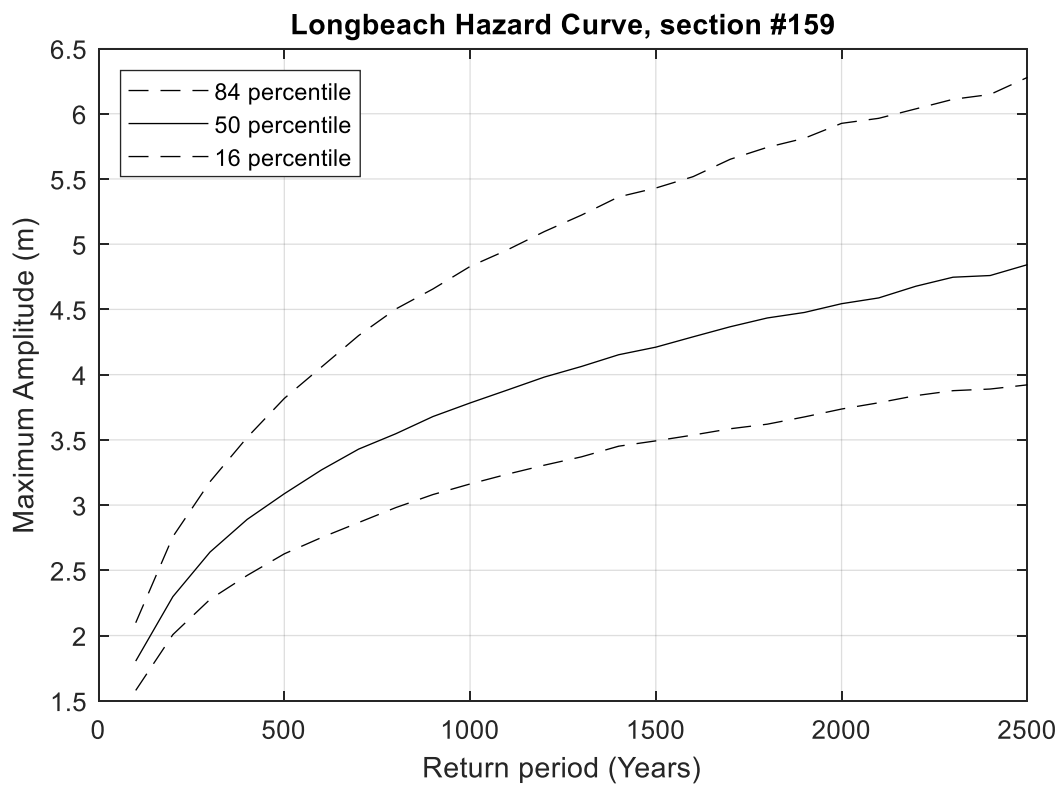
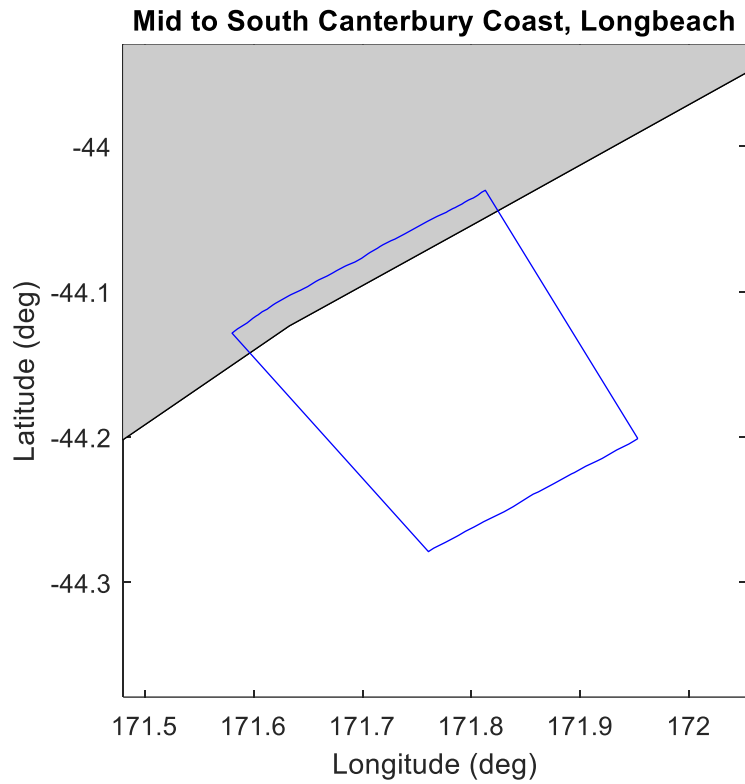
Deaggregation of Section:158, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.85 m



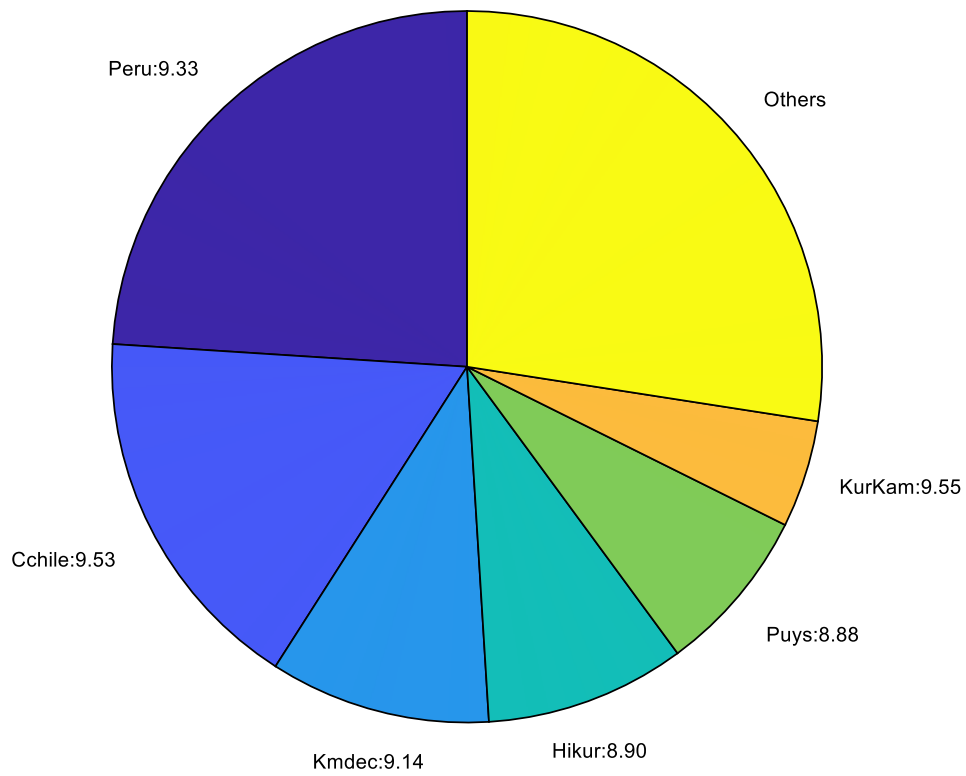
Deaggregation of Section:158, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.41 m



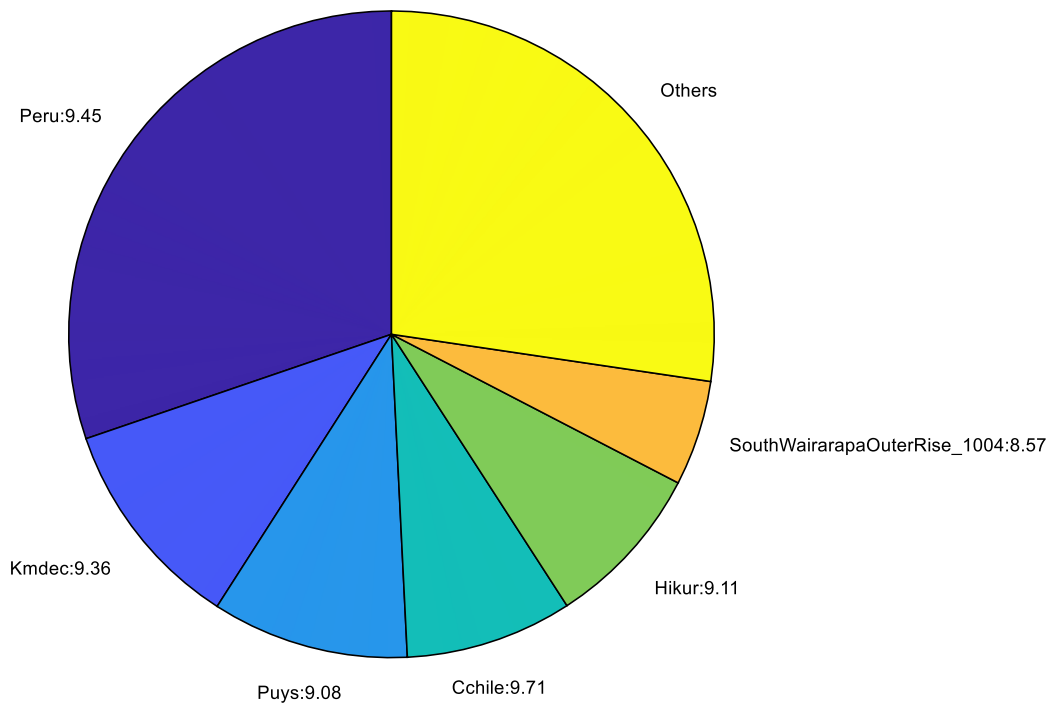
### A1.159 Coastal Section 159: Longbeach



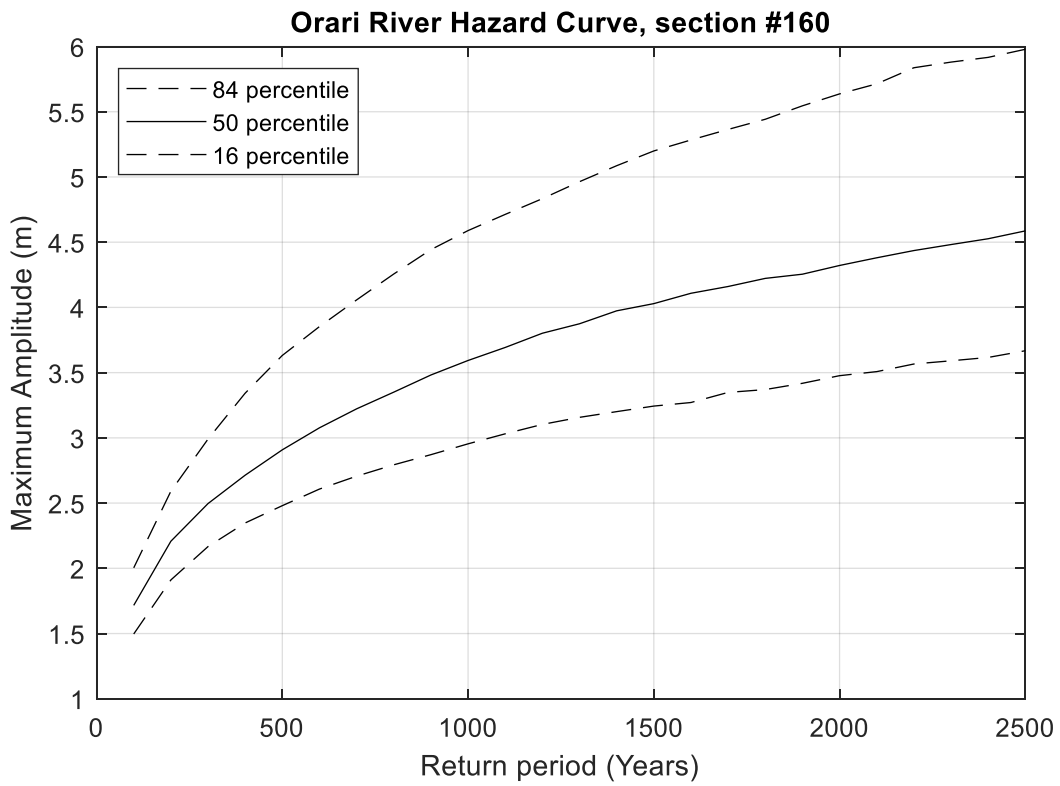
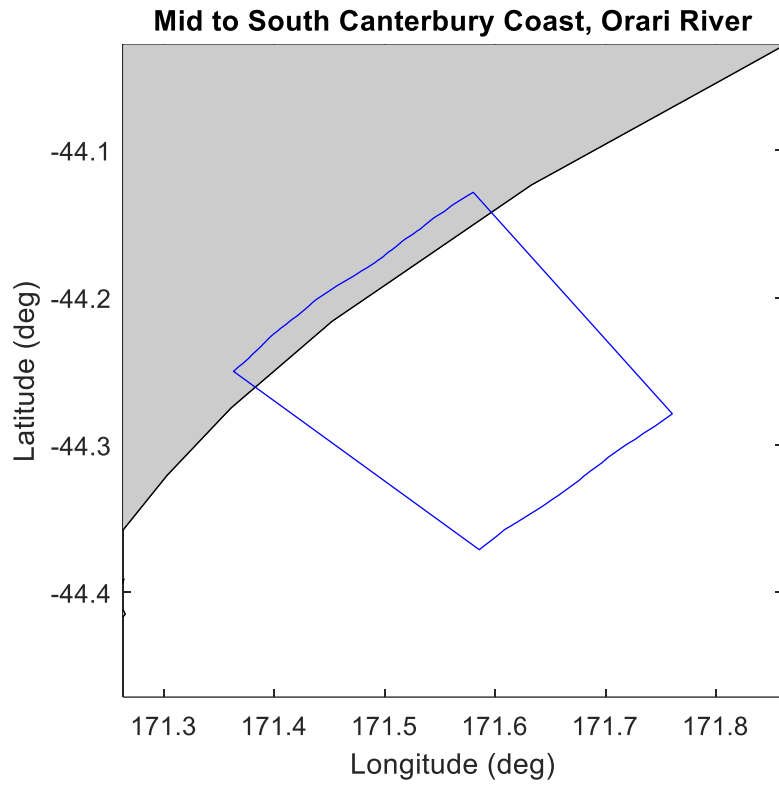
Deaggregation of Section:159, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.09 m



Deaggregation of Section:159, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.84 m

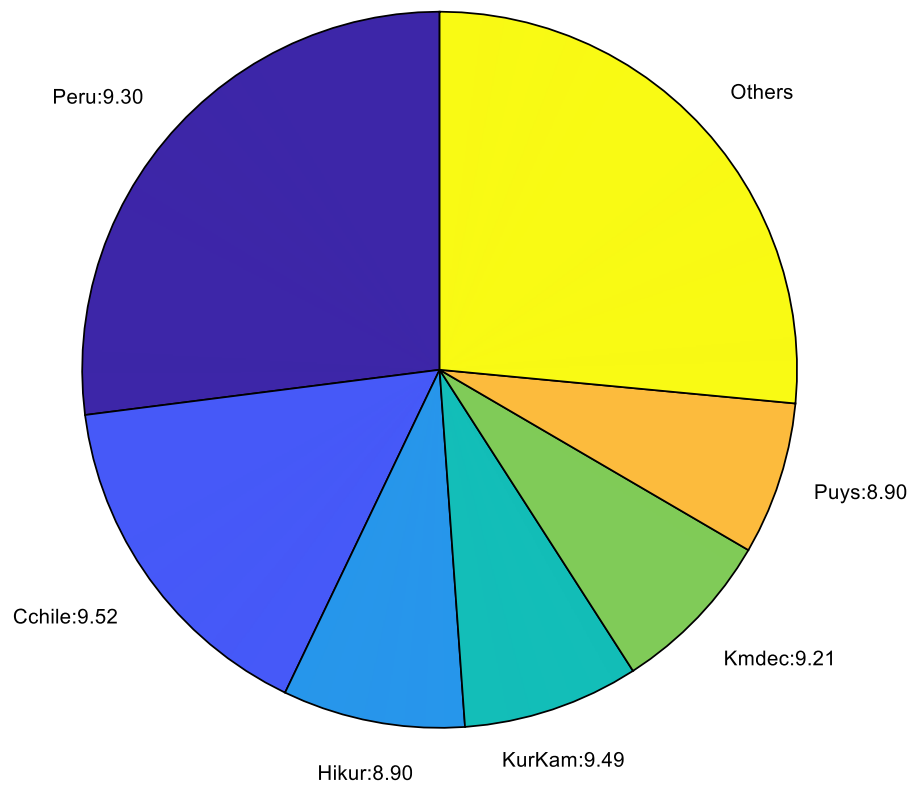


**A1.160 Coastal Section 160: Orari River**

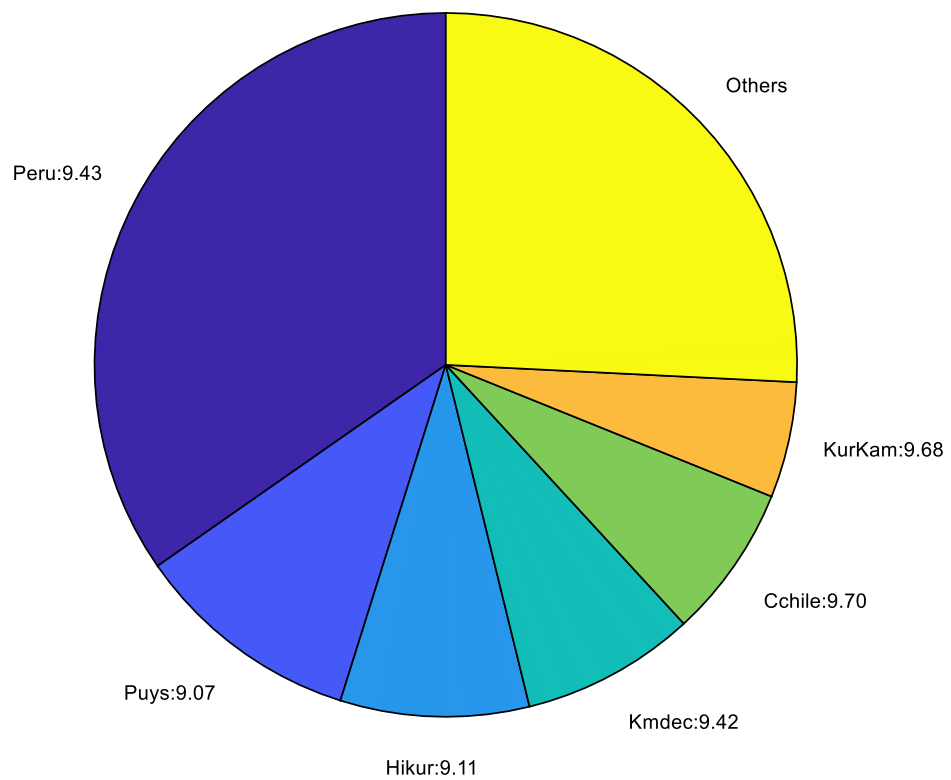




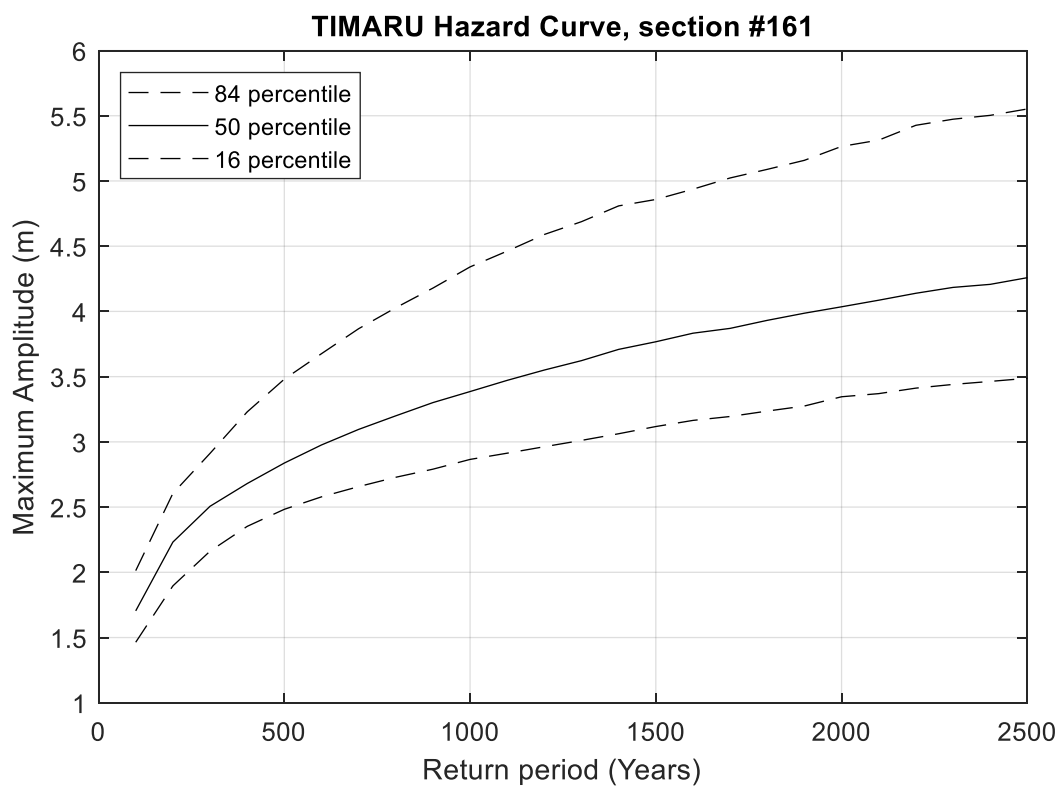
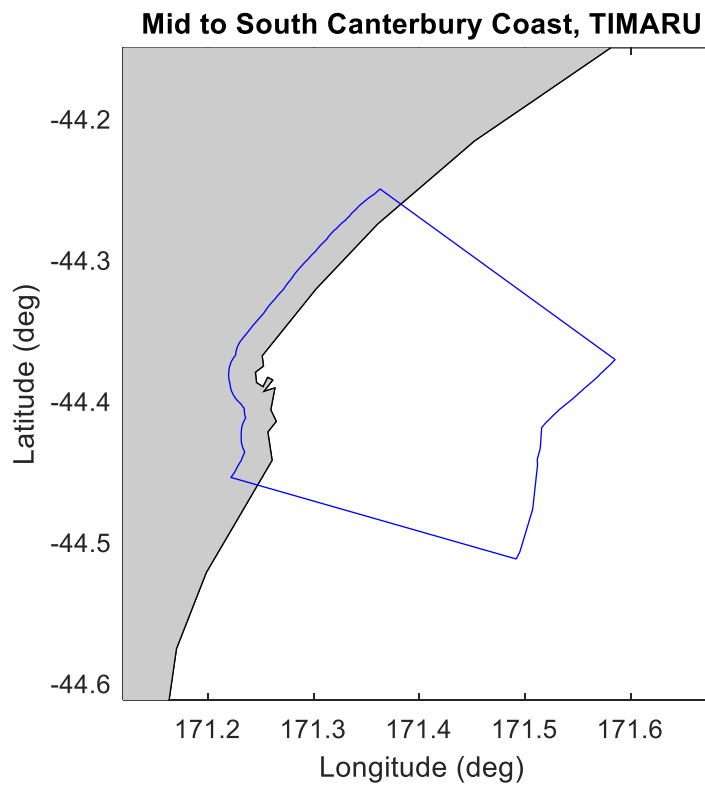
Deaggregation of Section:160, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.91 m



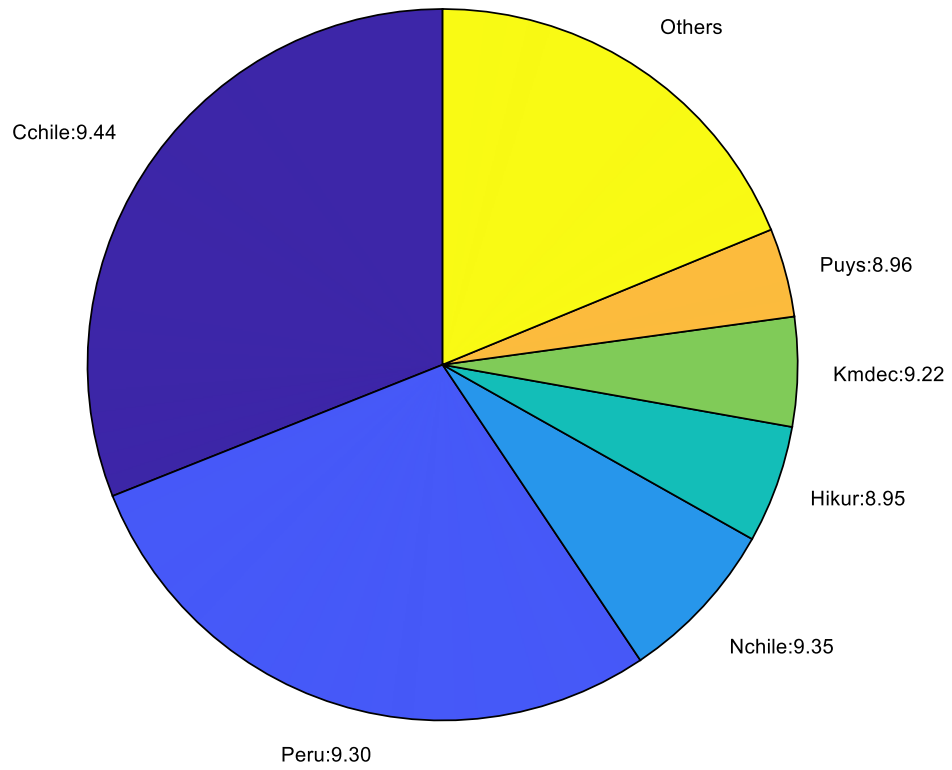
Deaggregation of Section:160, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.58 m



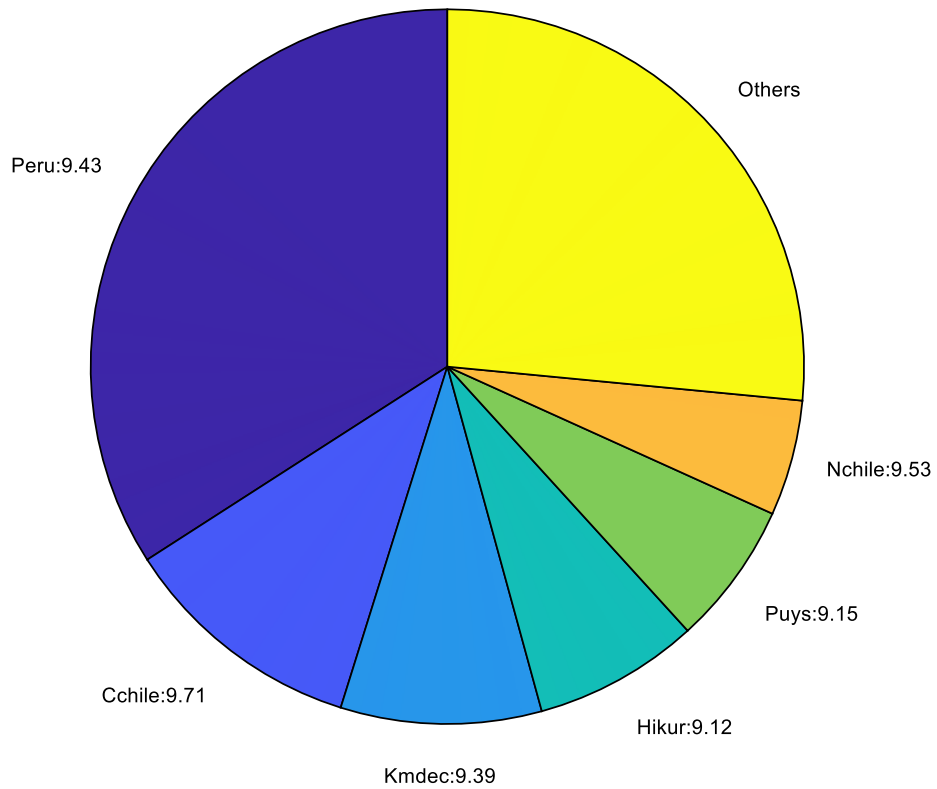
### A1.161 Coastal Section 161: Timaru



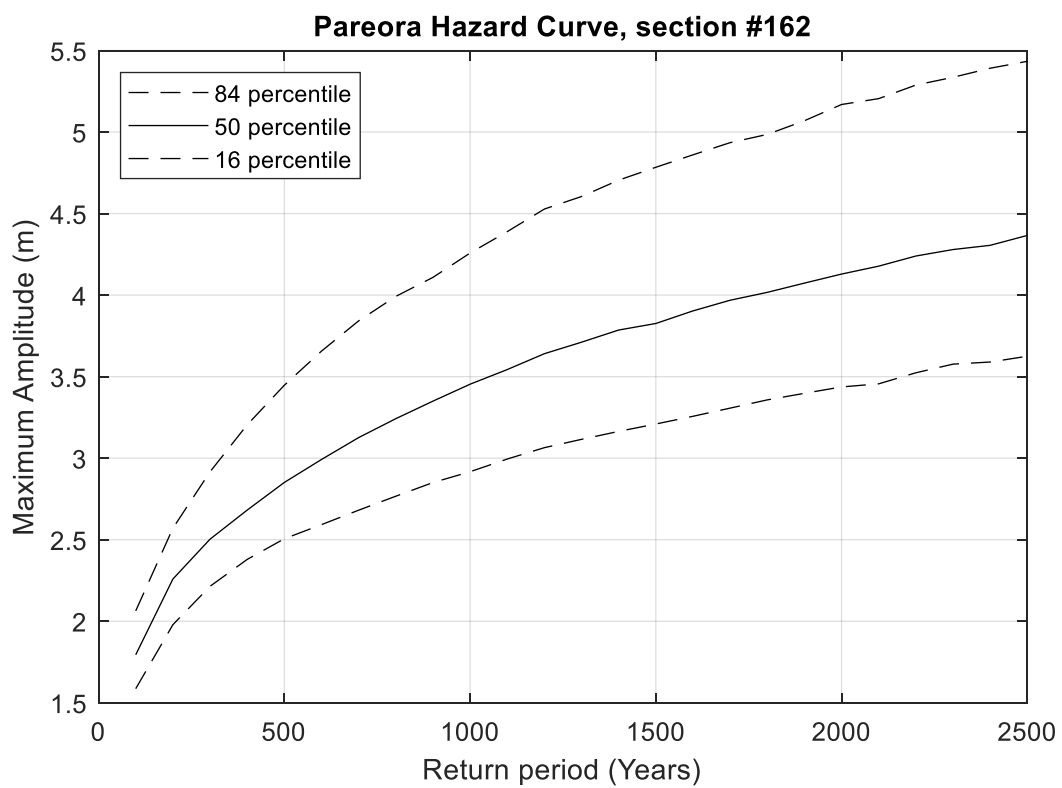
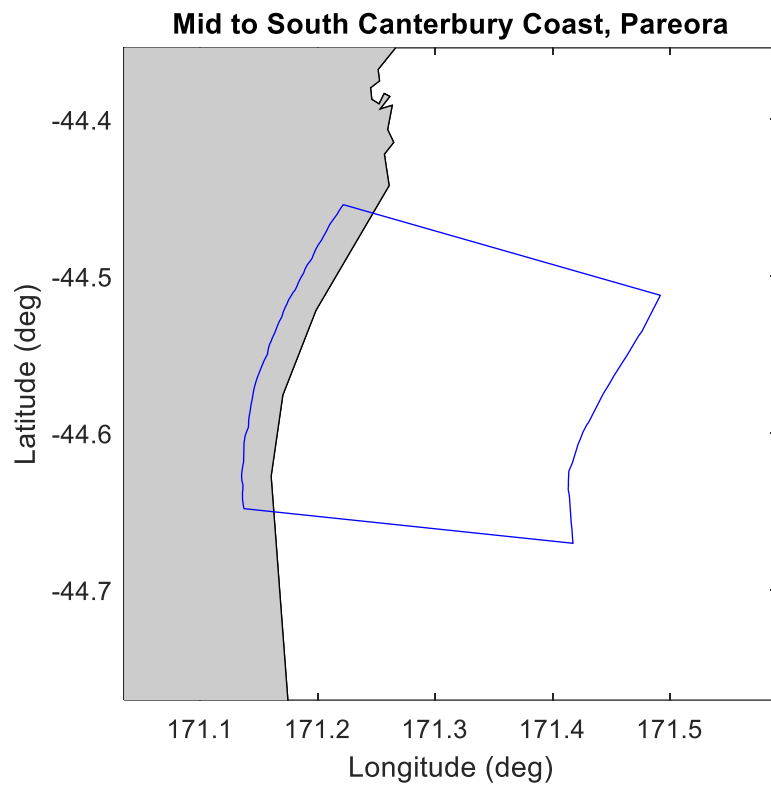
Deaggregation of Section:161, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.84 m



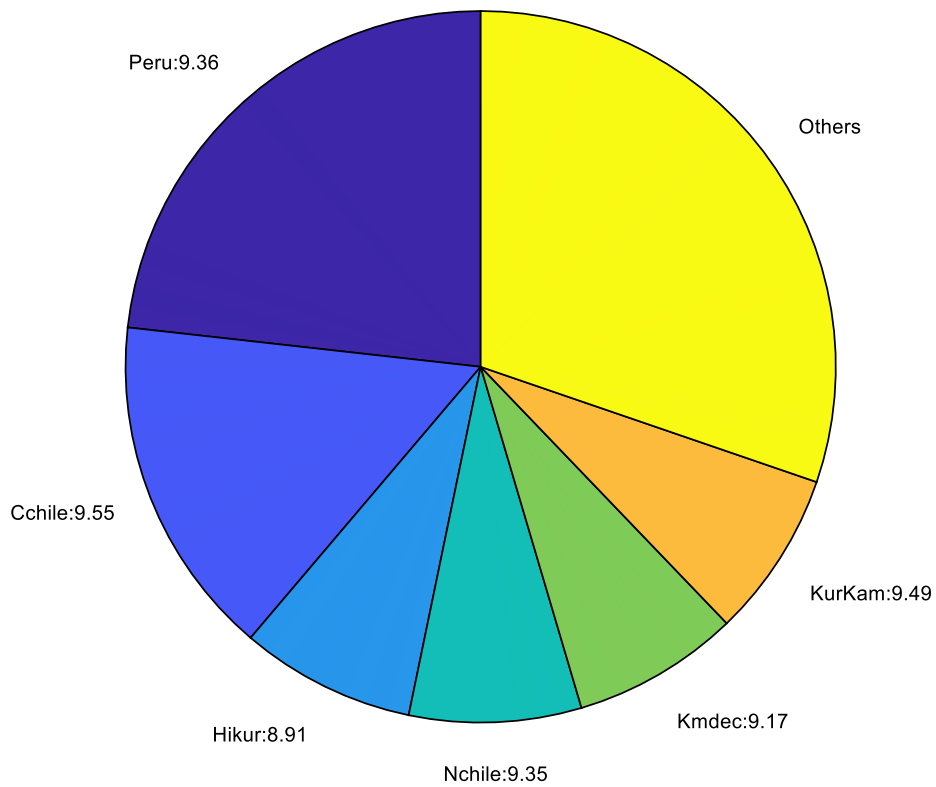
Deaggregation of Section:161, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.26 m



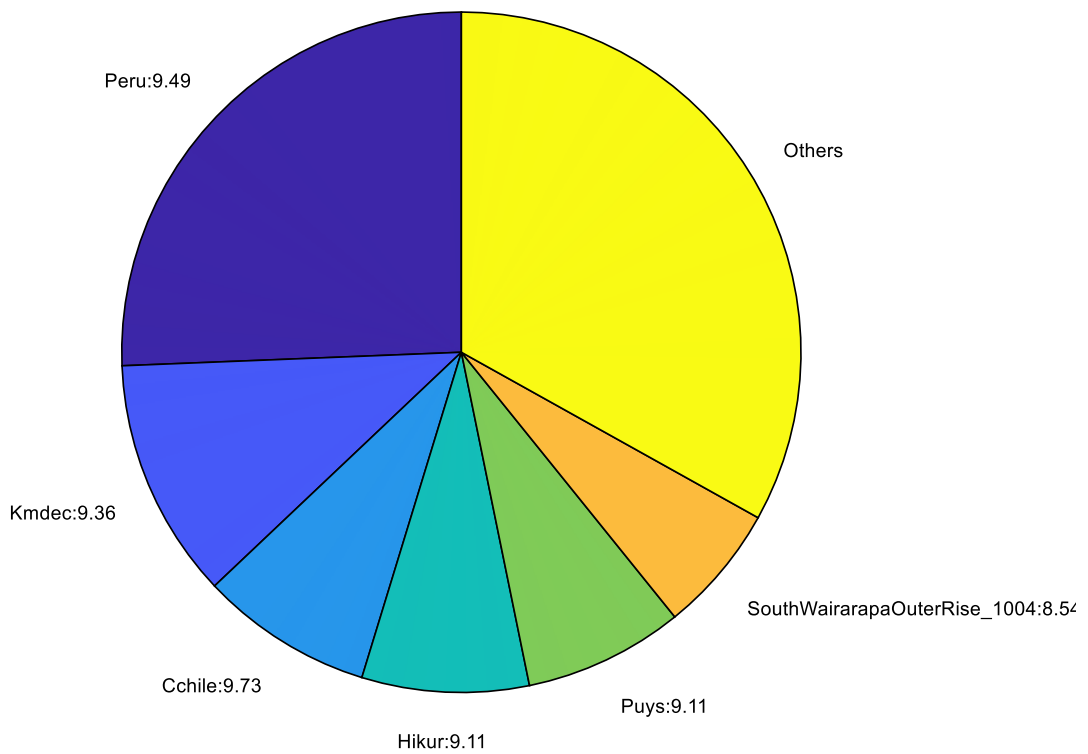
## A1.162 Coastal Section 162: Pareora



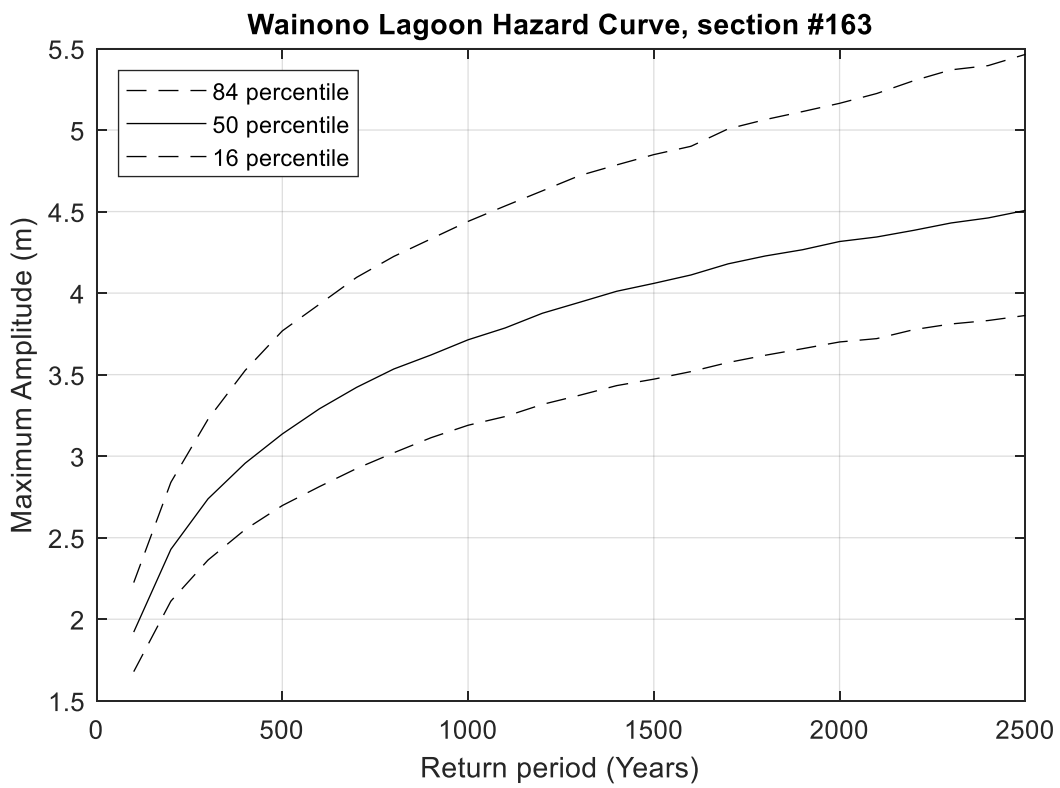
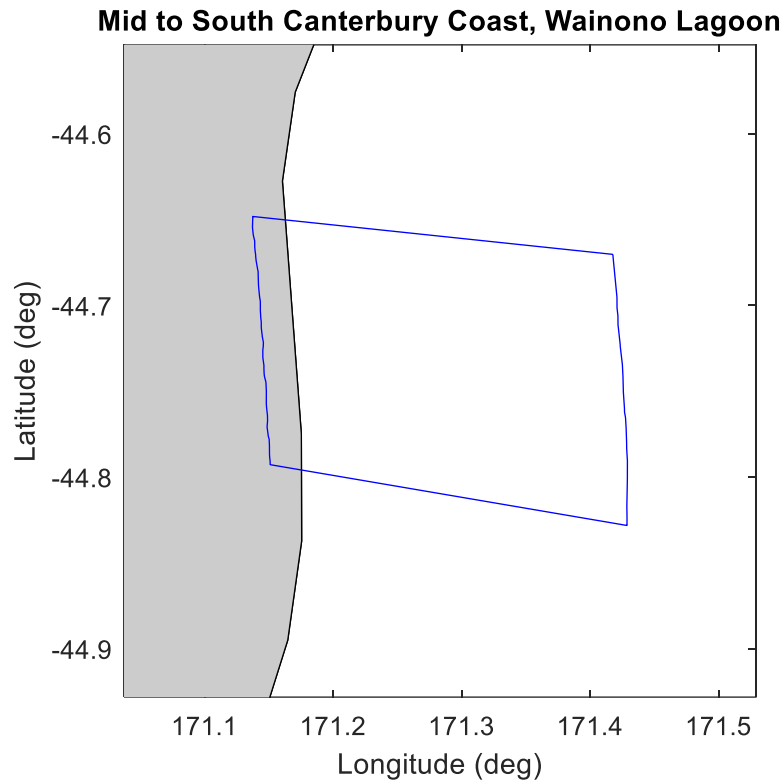
Deaggregation of Section:162, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.85 m



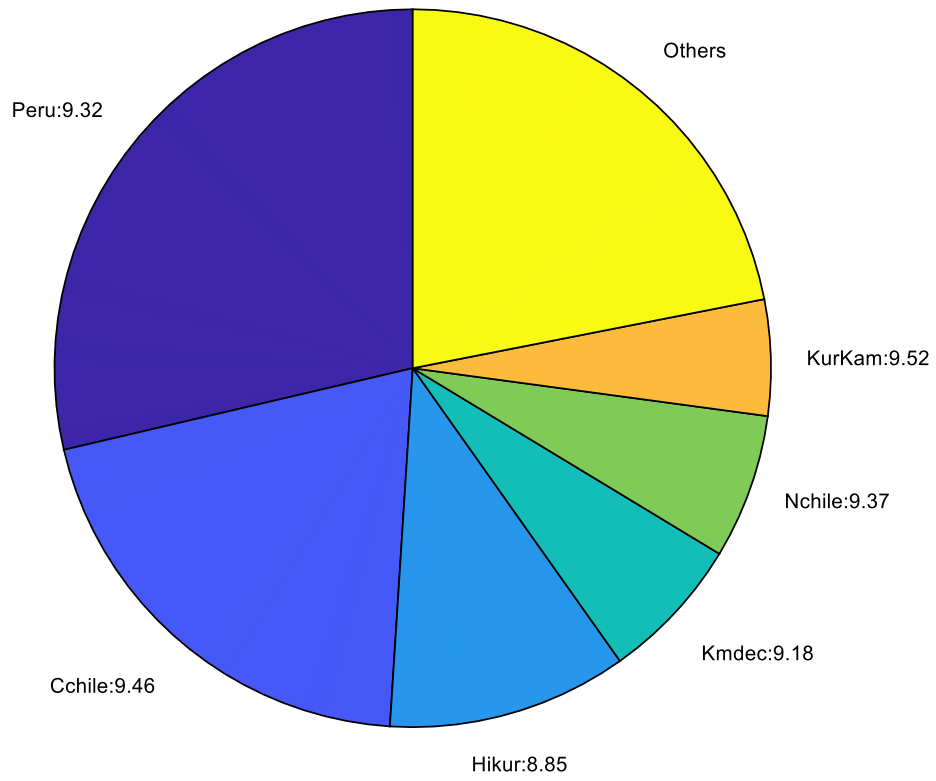
Deaggregation of Section:162, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.36 m



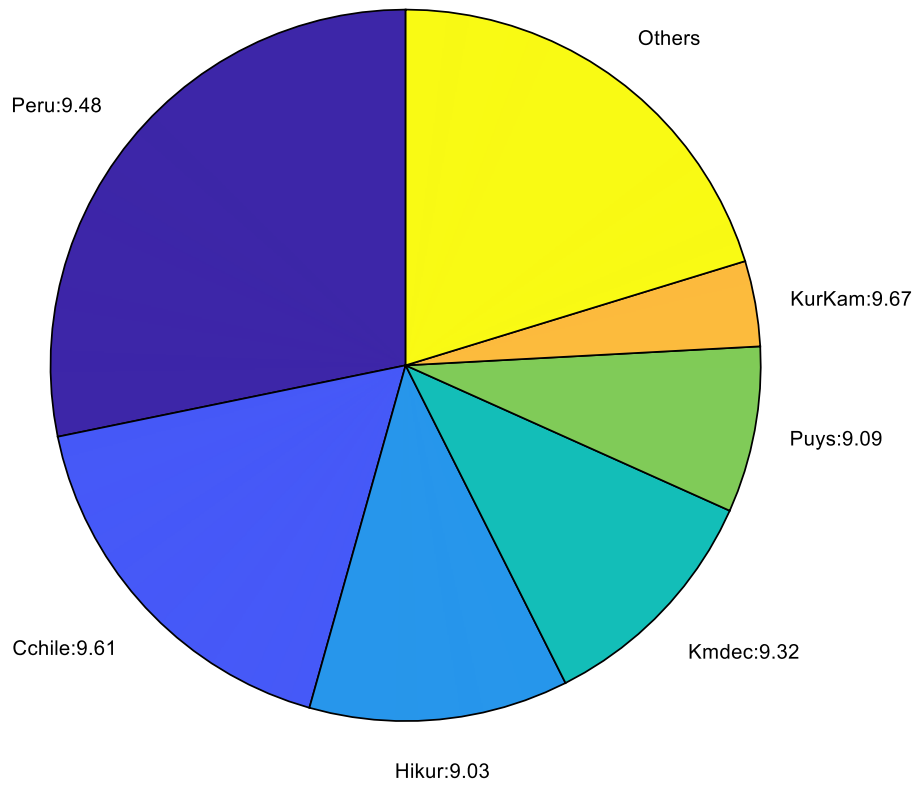
### A1.163 Coastal Section 163: Wainono Lagoon



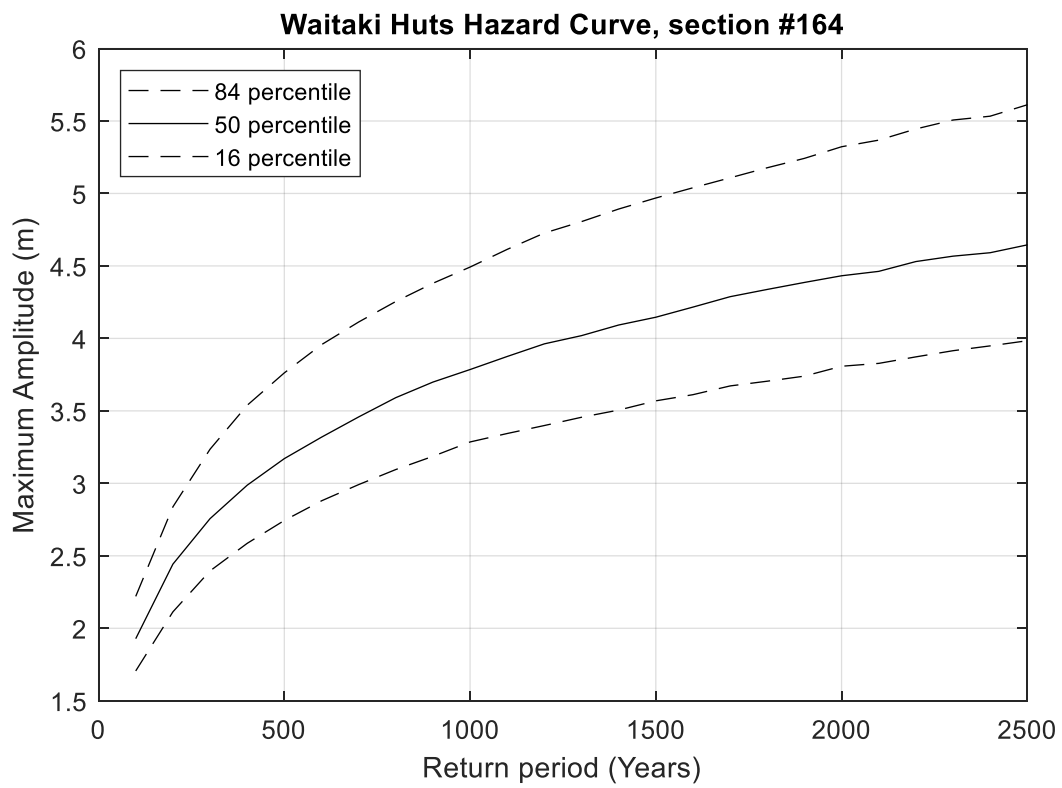
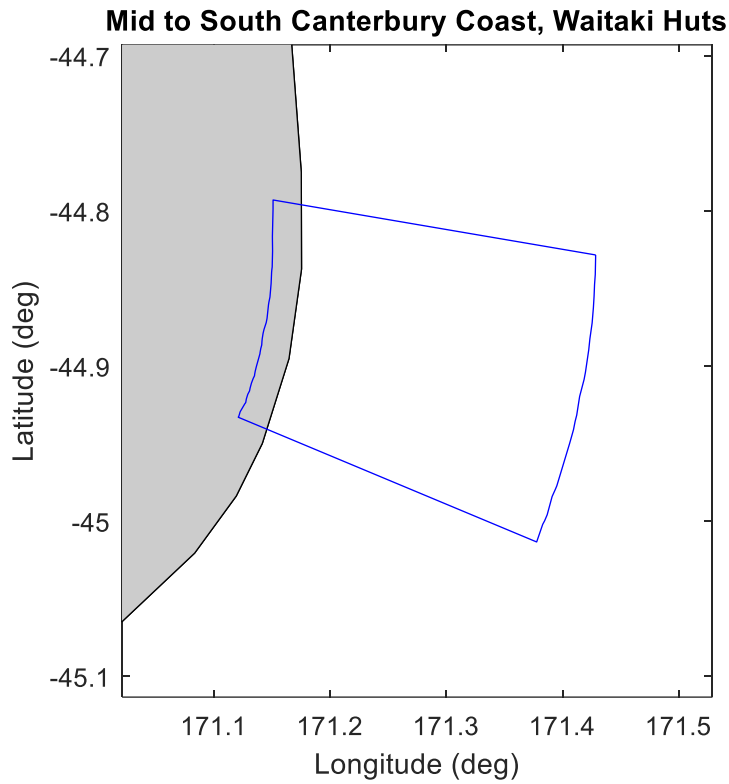
Deaggregation of Section:163, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.14 m



Deaggregation of Section:163, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.51 m

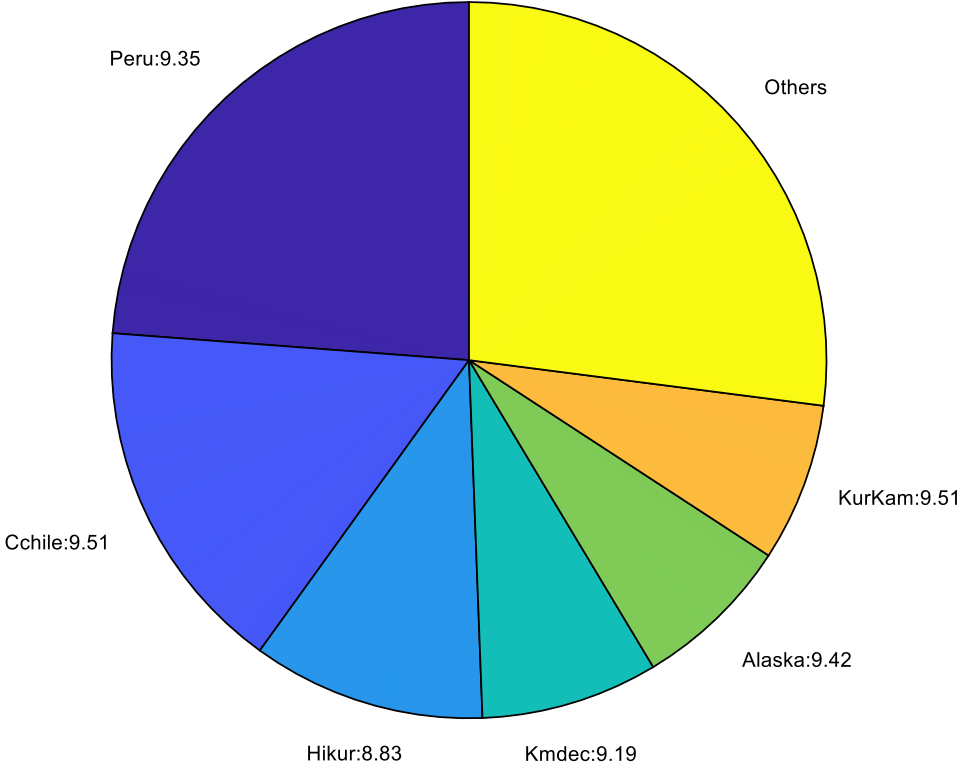


## A1.164 Coastal Section 164: Waitaki Huts

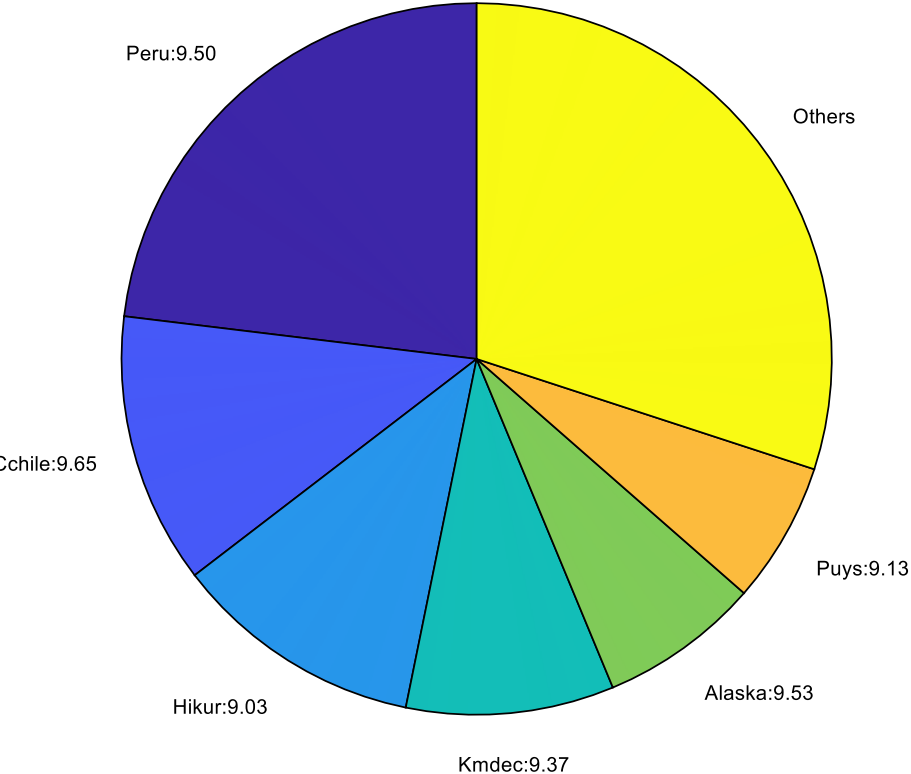




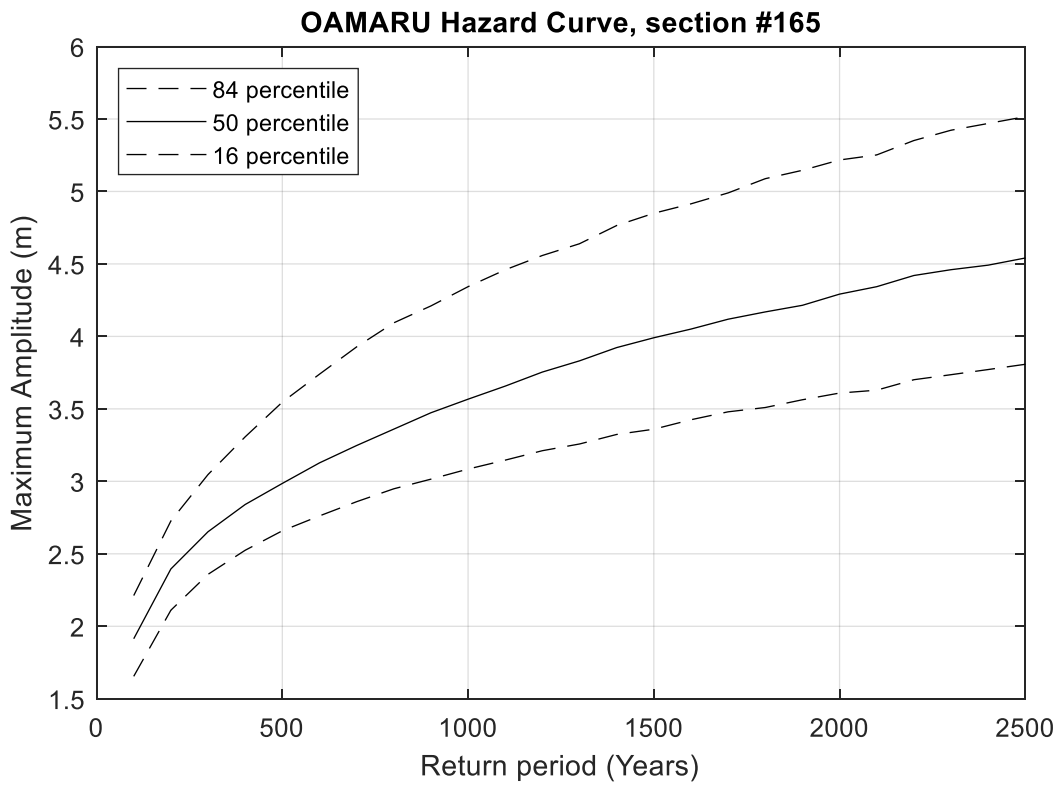
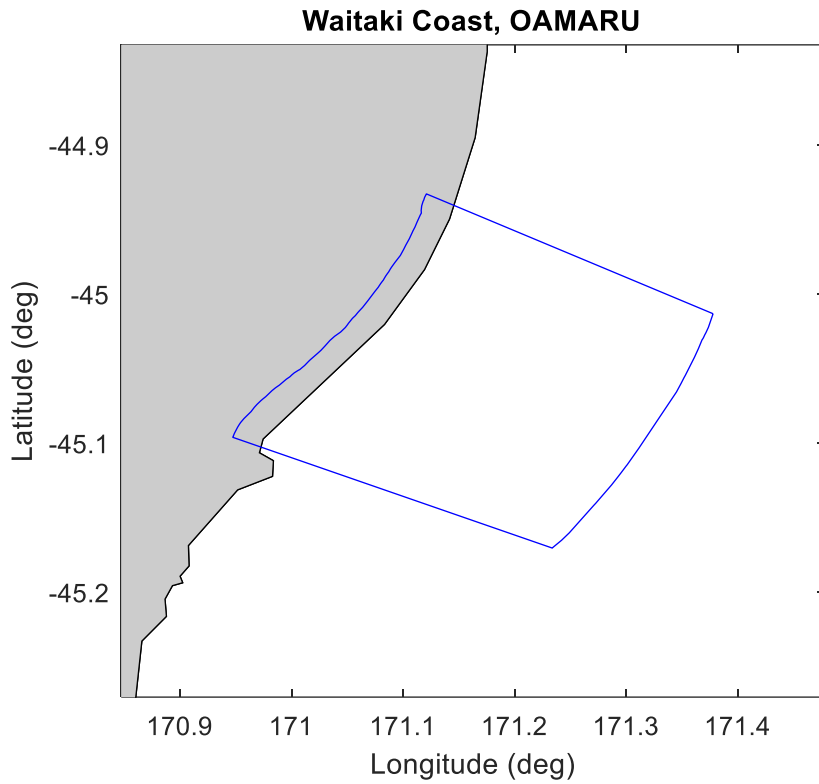
Deaggregation of Section:164, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.17 m



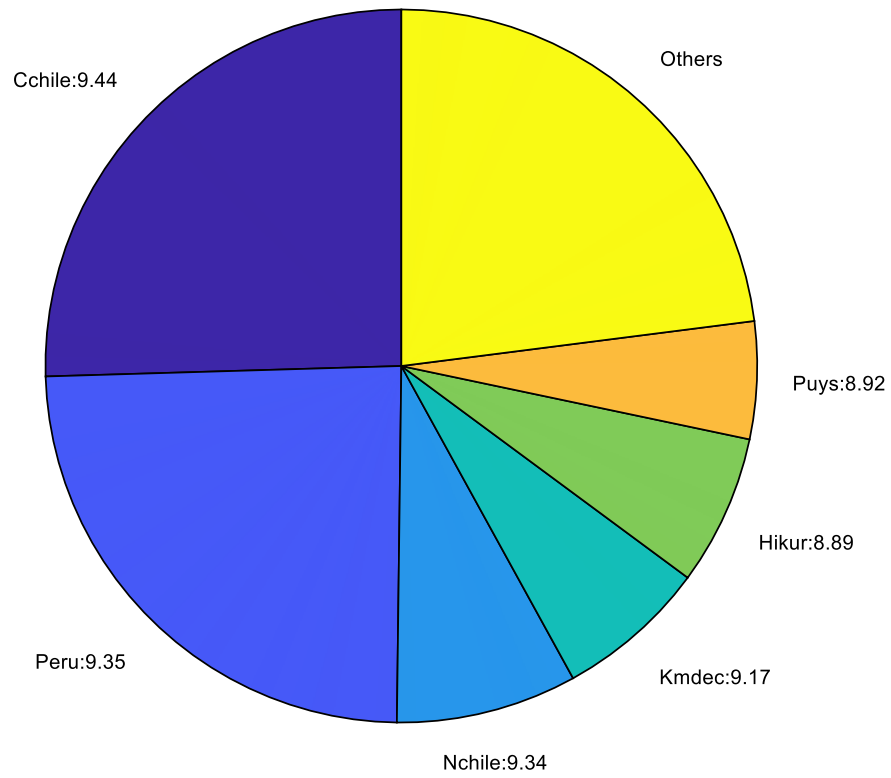
Deaggregation of Section:164, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.65 m



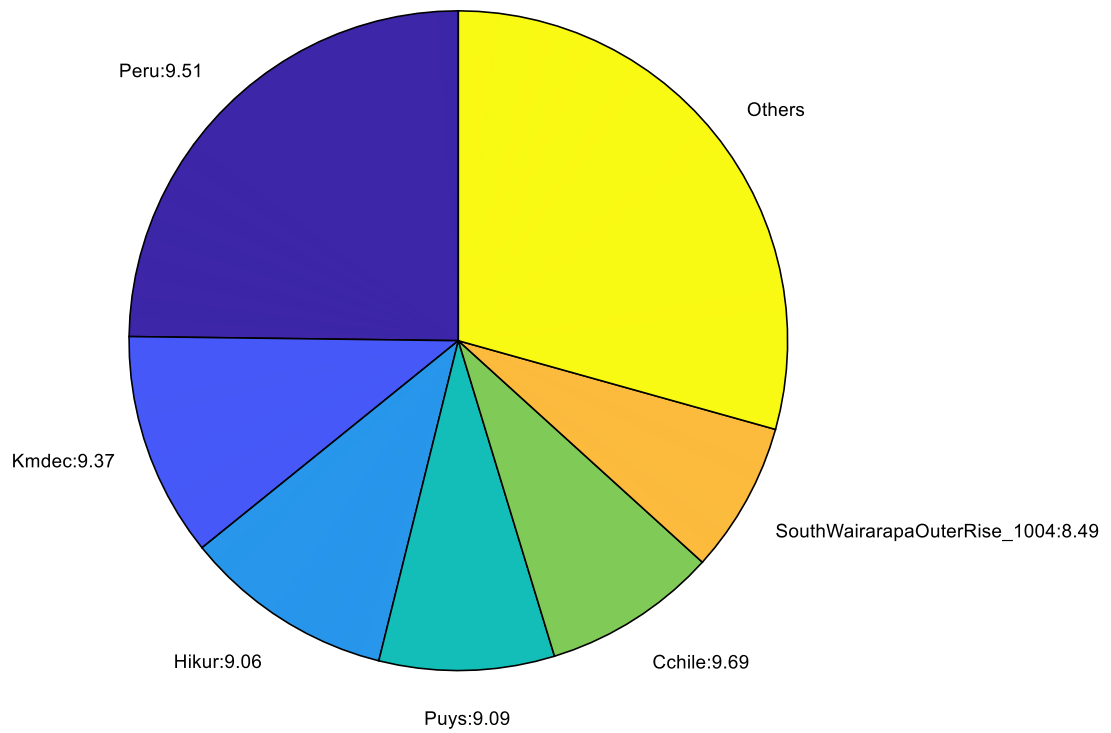
**A1.165 Coastal Section 165: Oamaru**



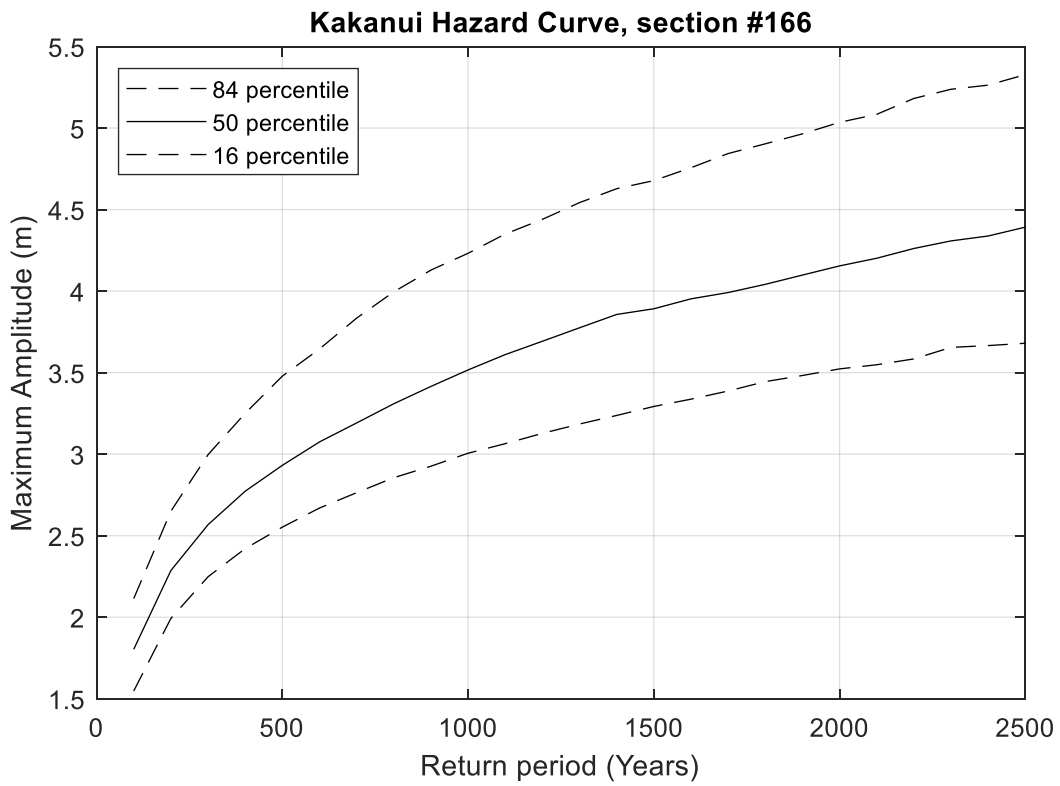
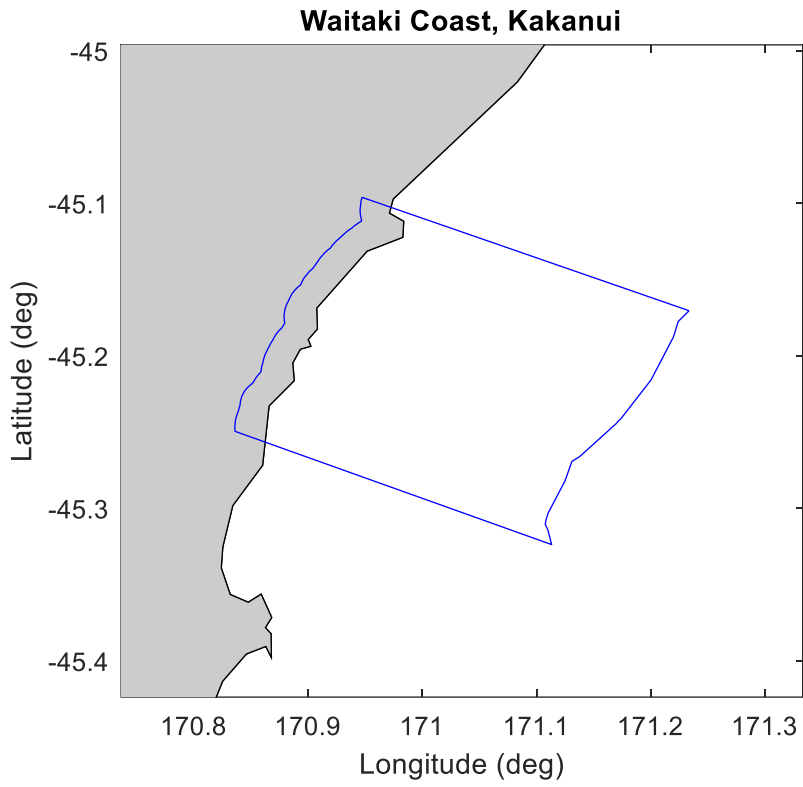
Deaggregation of Section:165, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.99 m



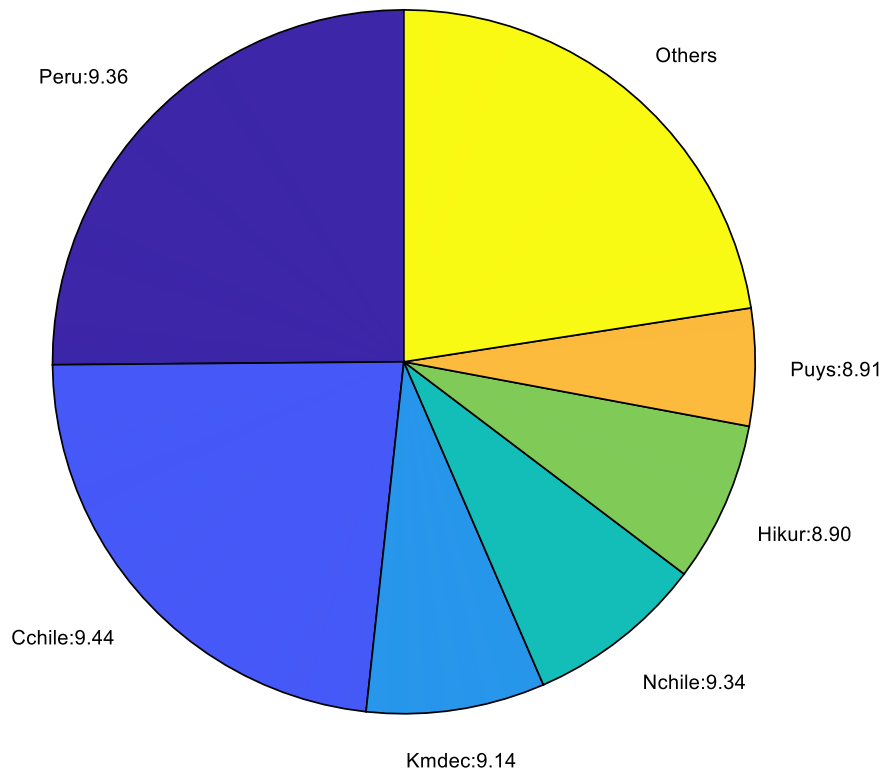
Deaggregation of Section:165, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.54 m



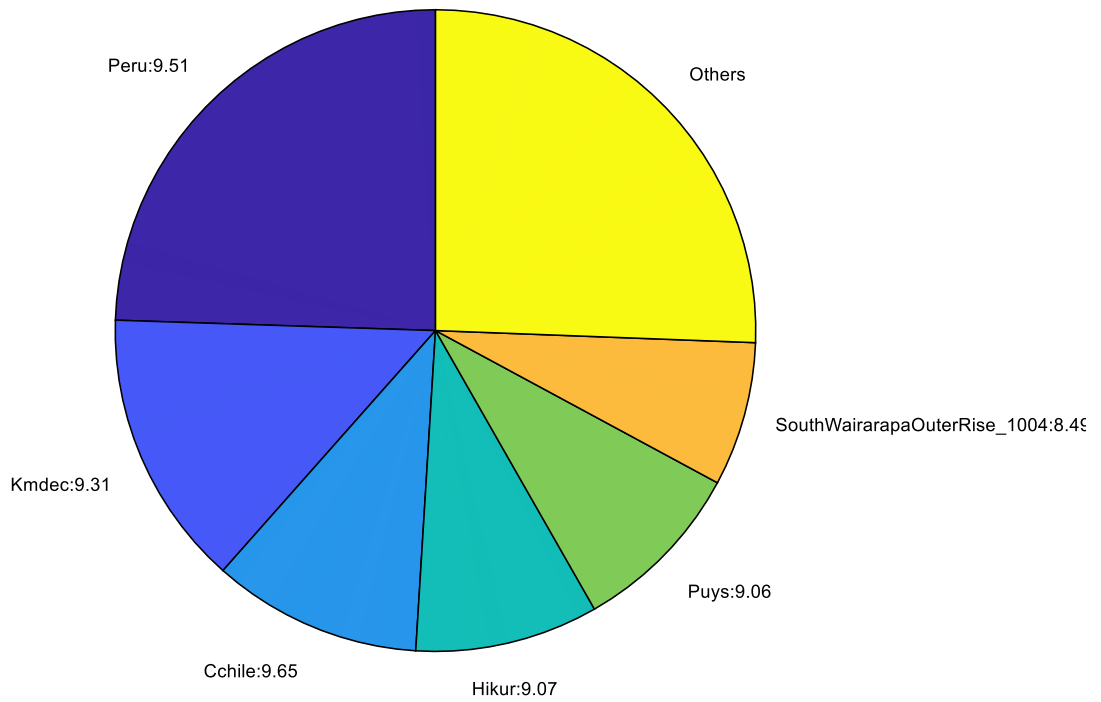
**A1.166 Coastal Section 166: Kakanui**



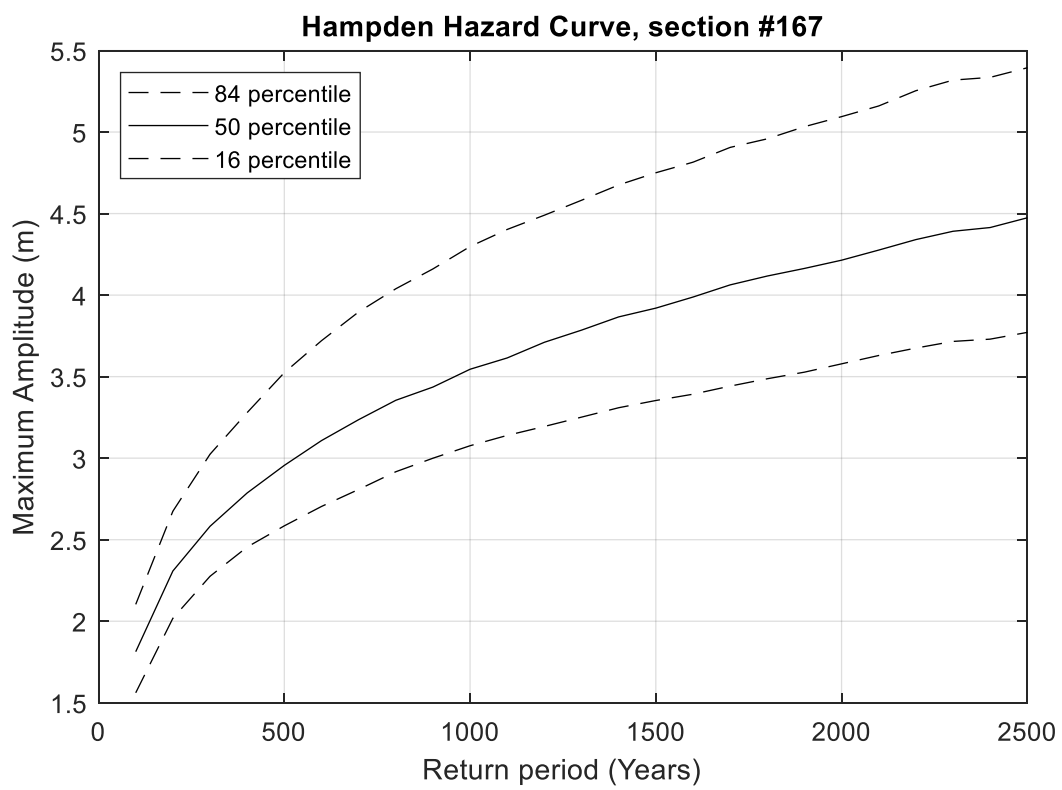
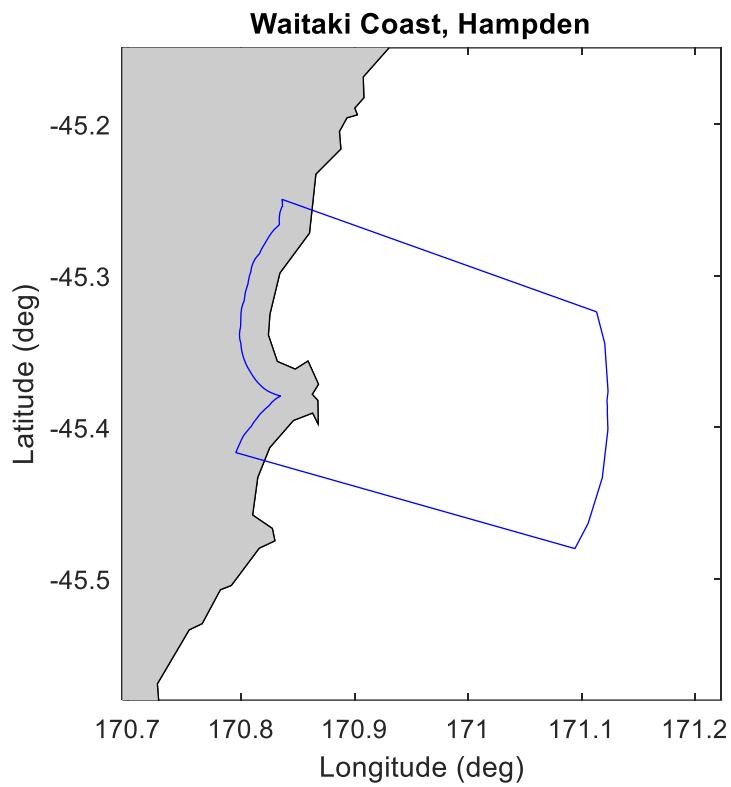
Deaggregation of Section:166, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.93 m



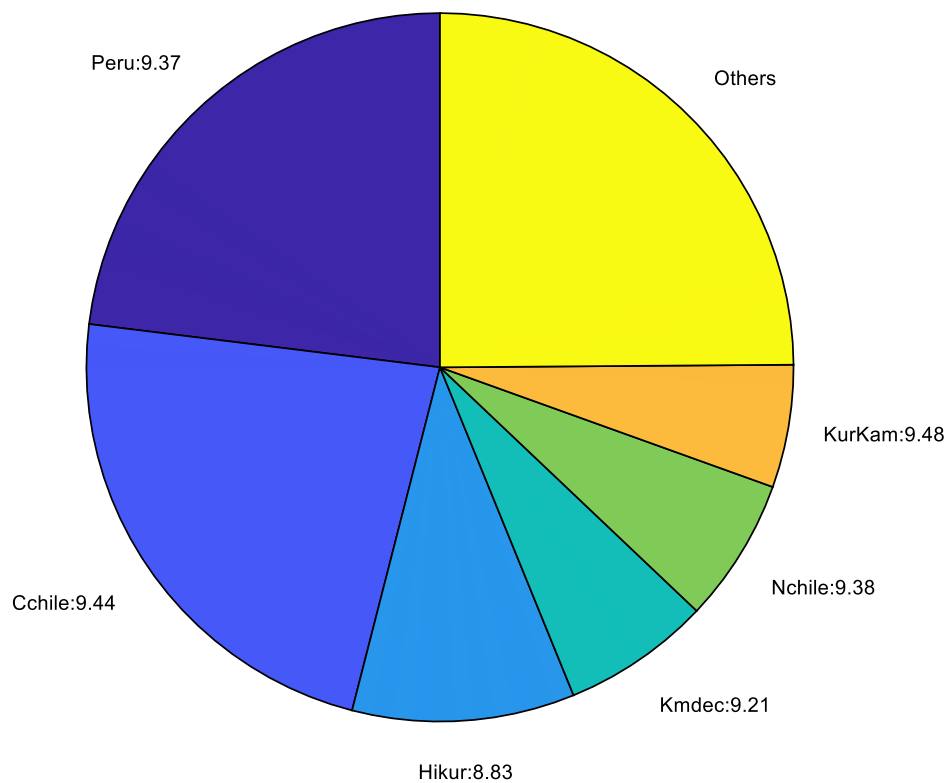
Deaggregation of Section:166, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.39 m



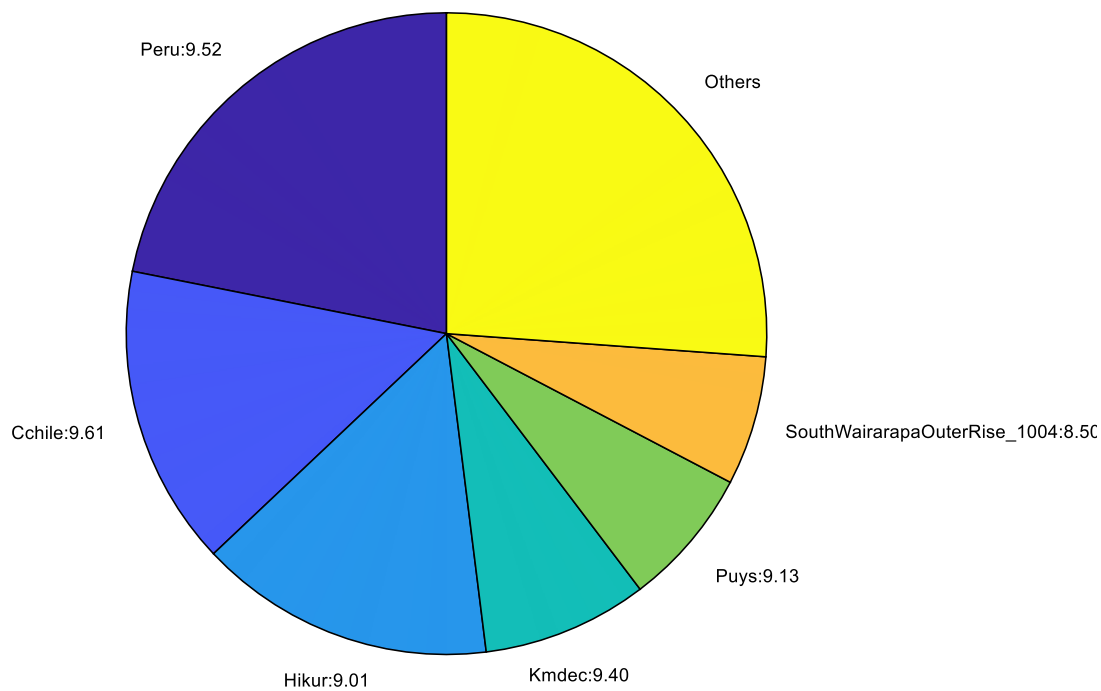
### A1.167 Coastal Section 167: Hampden



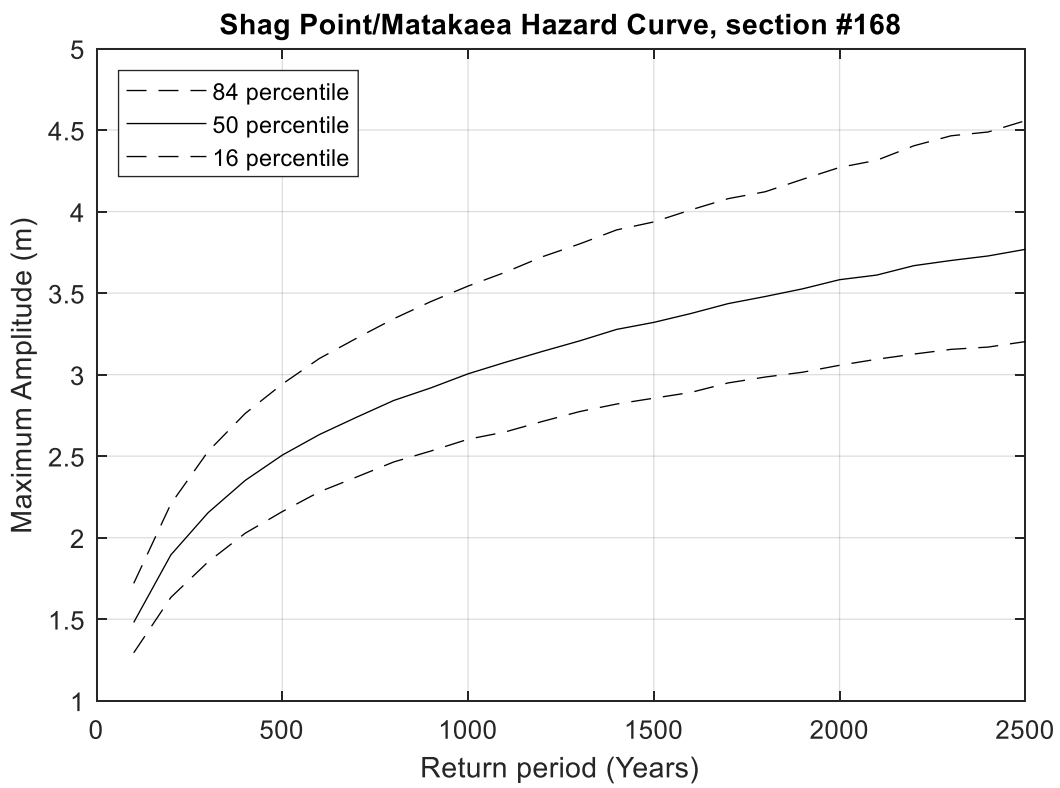
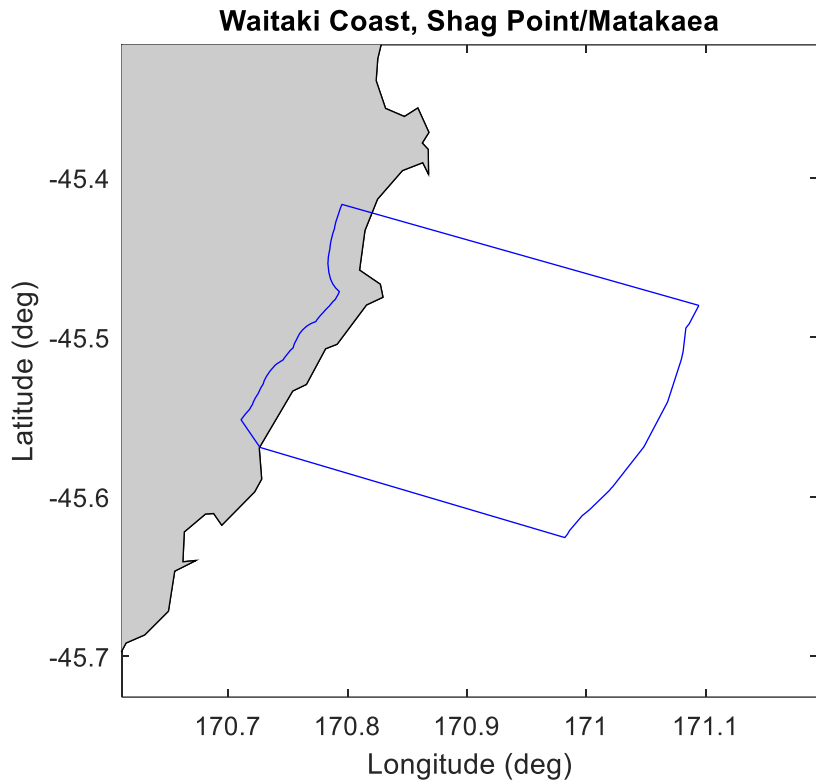
Deaggregation of Section:167, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.96 m



Deaggregation of Section:167, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.47 m

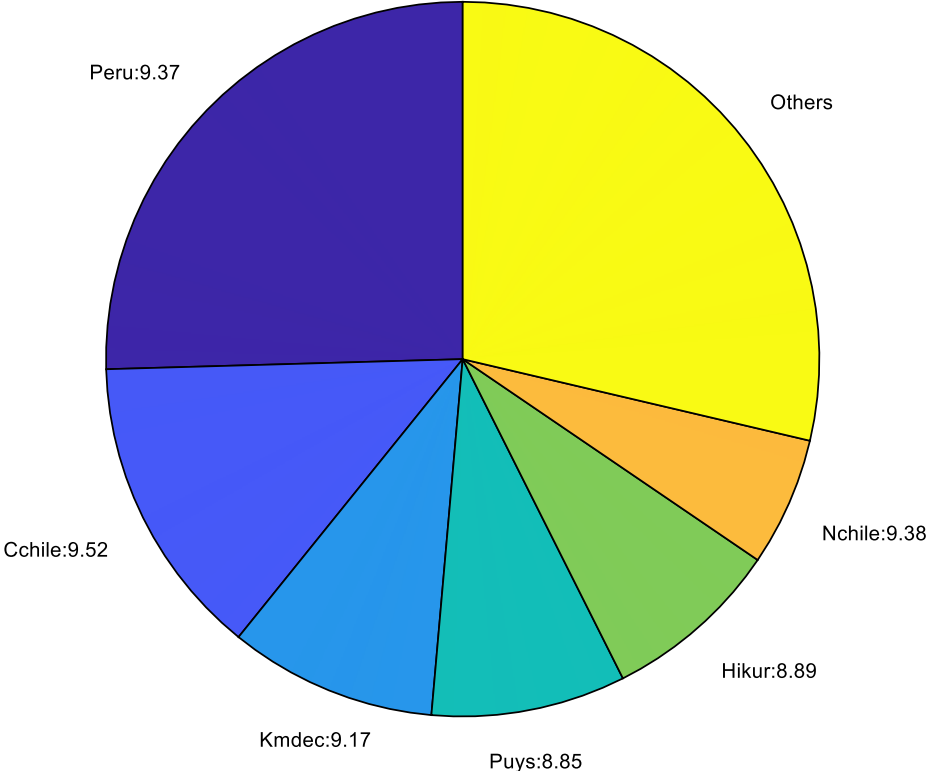


**A1.168 Coastal Section 168: Shag Point / Matakaea**

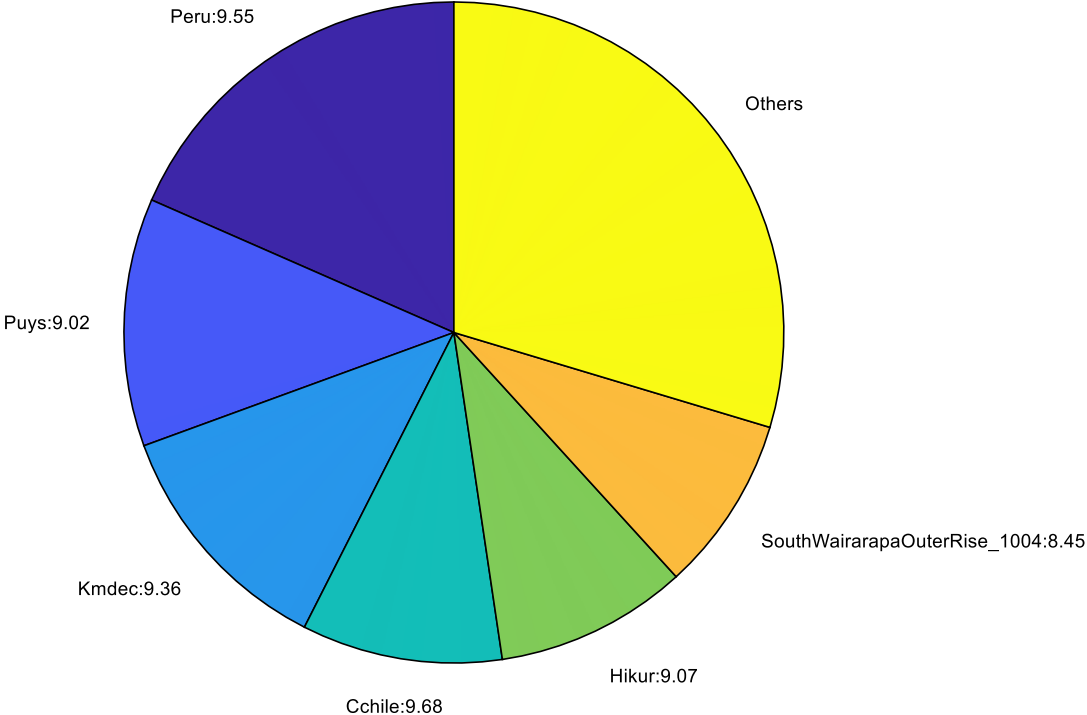




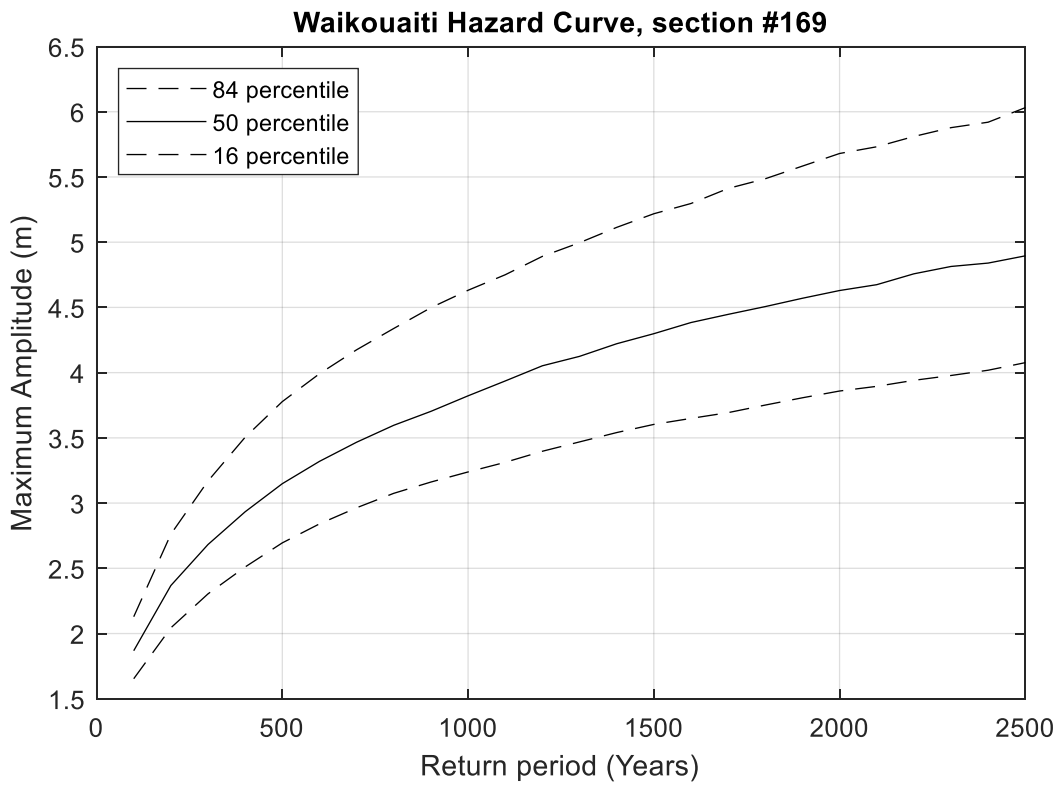
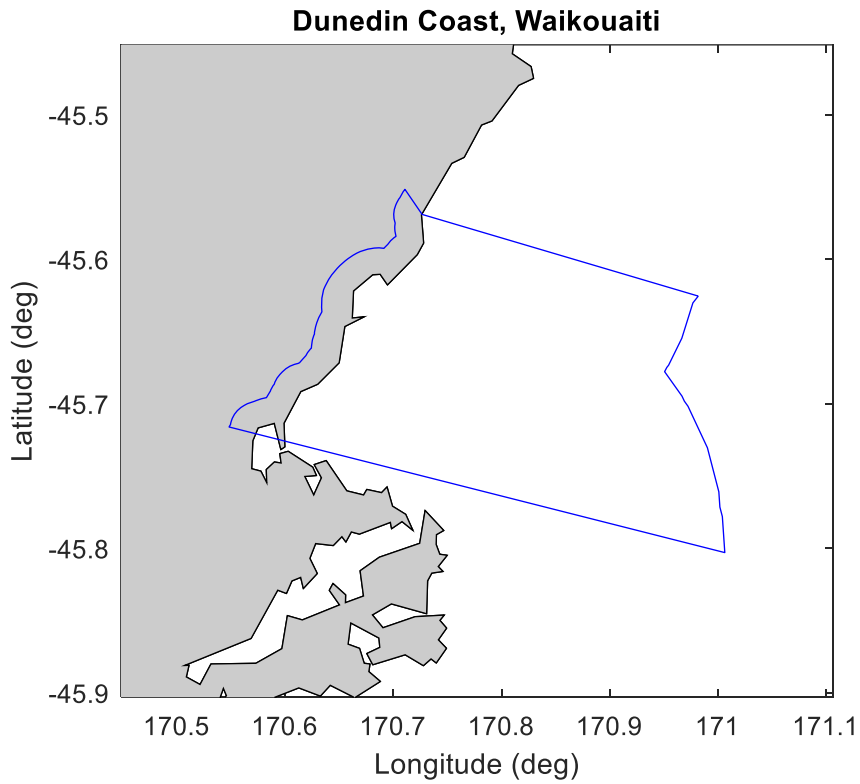
Deaggregation of Section:168, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.51 m



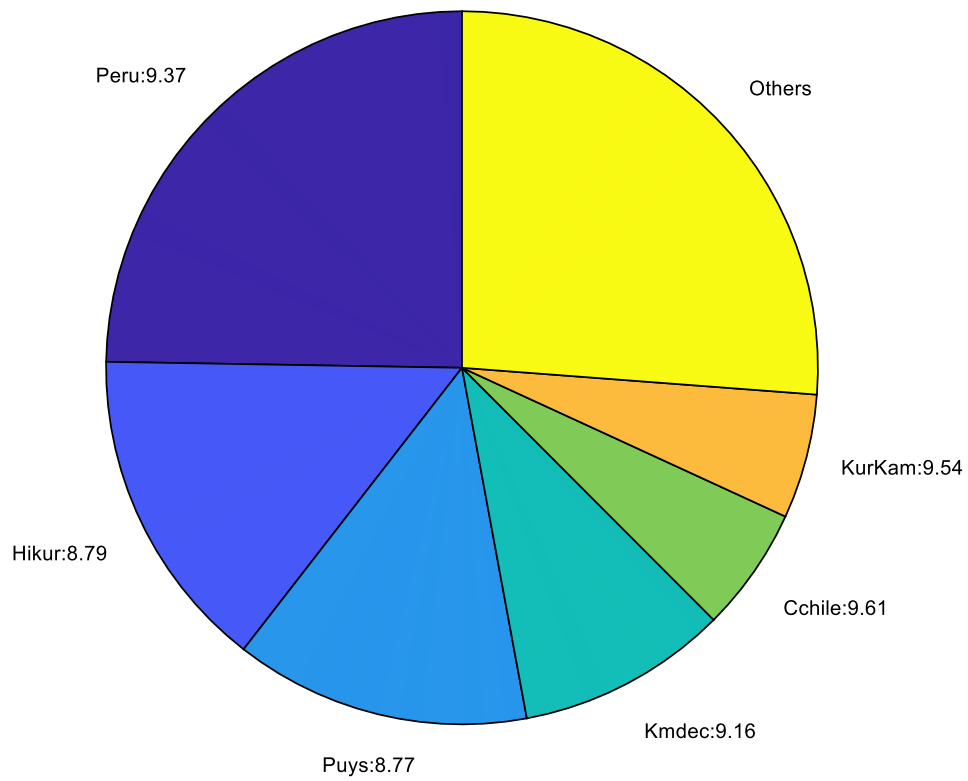
Deaggregation of Section:168, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.77 m



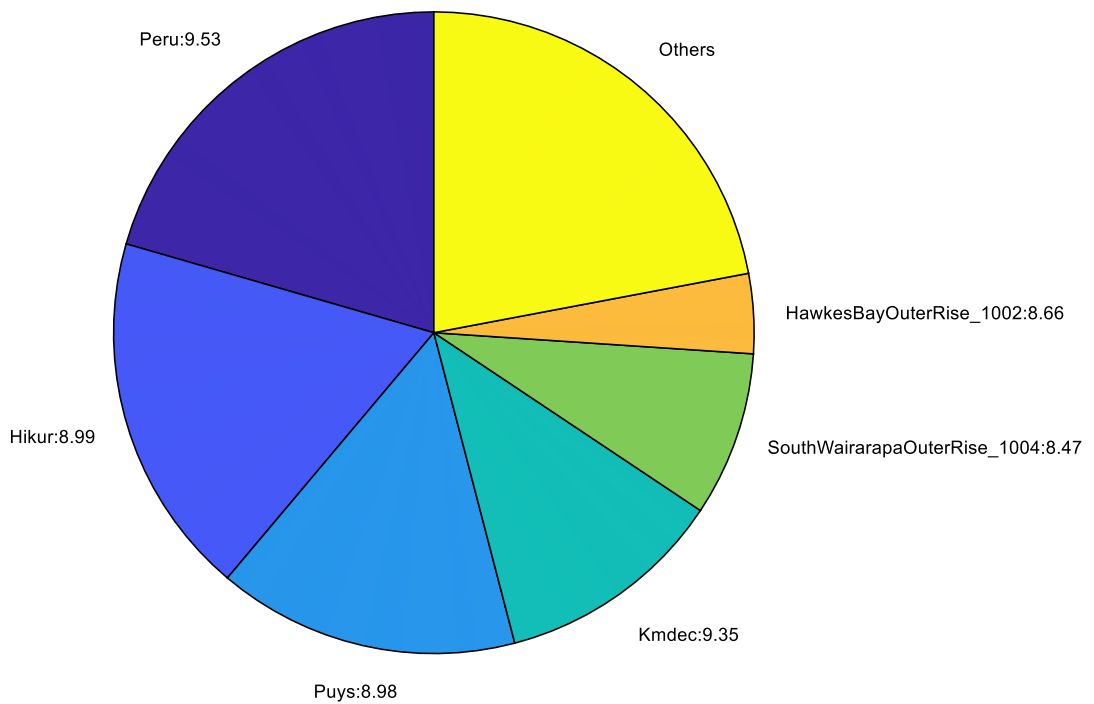
**A1.169 Coastal Section 169: Waikouaiti**



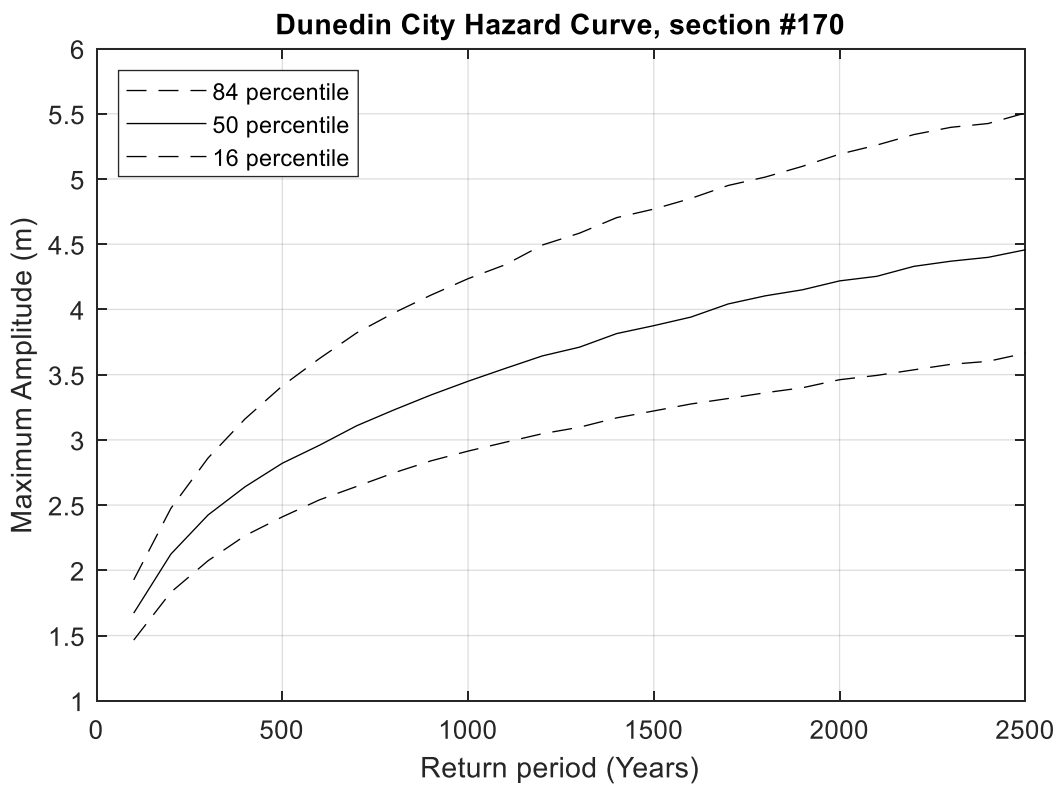
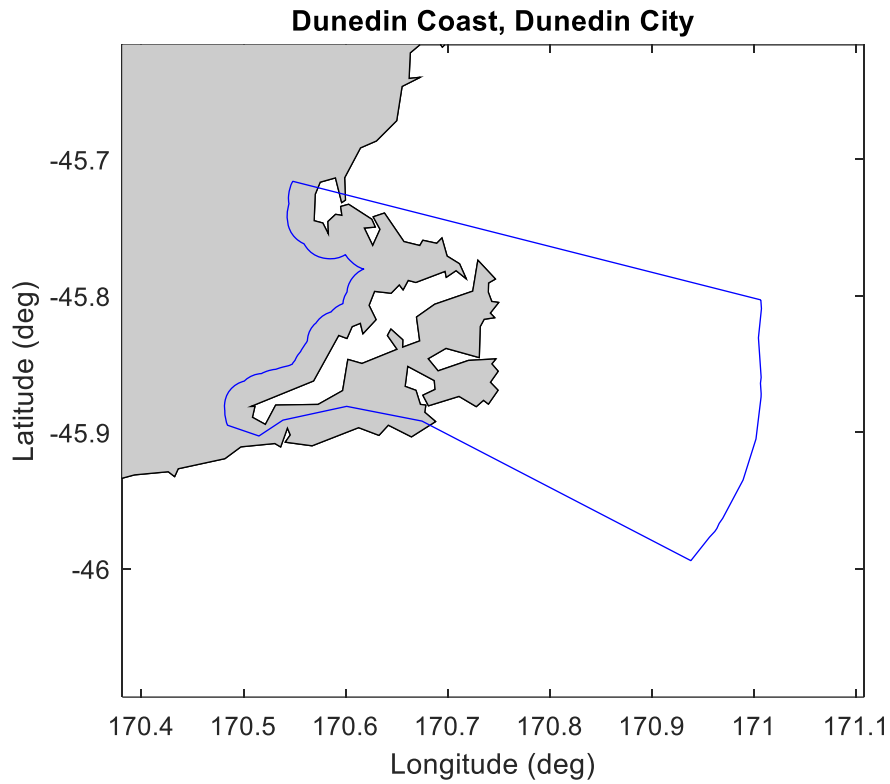
Deaggregation of Section:169, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.15 m



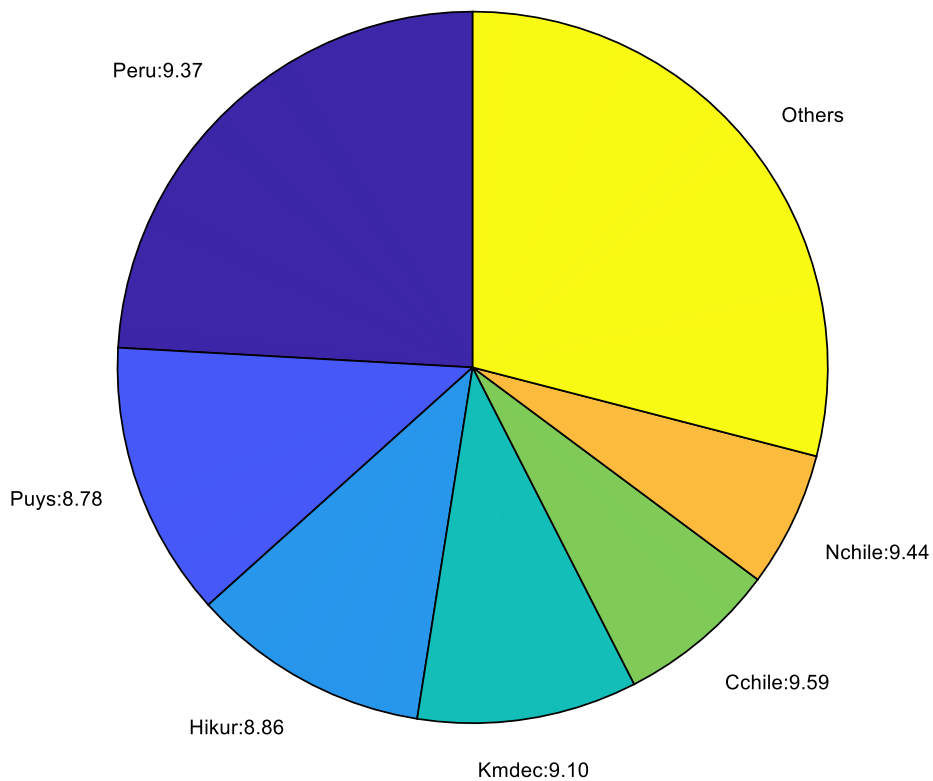
Deaggregation of Section:169, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.89 m



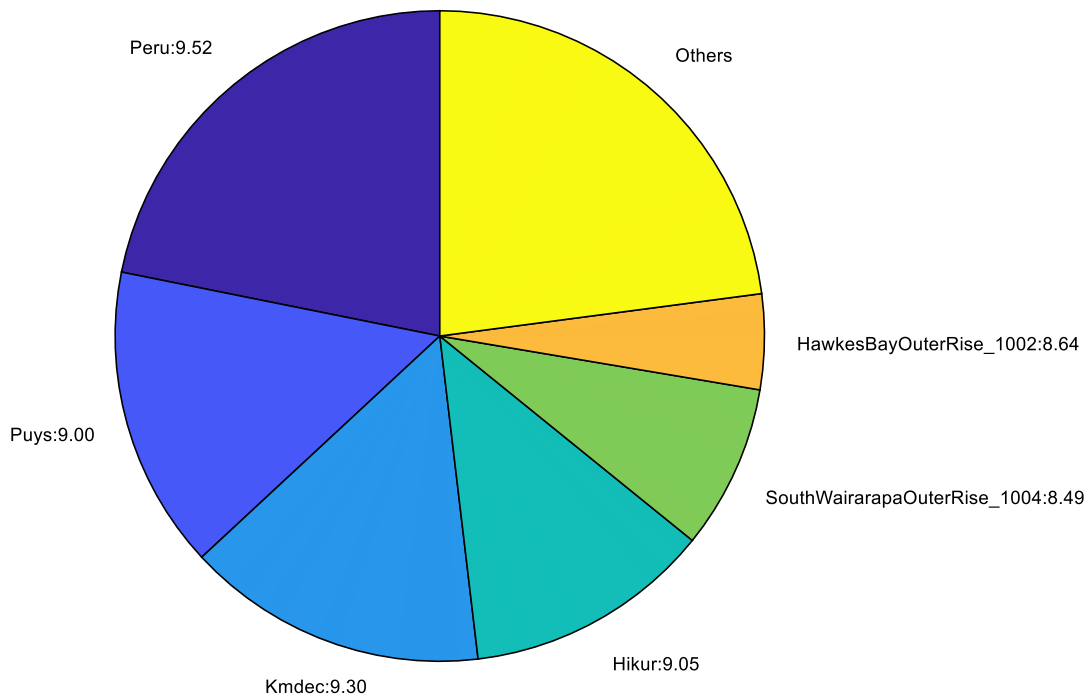
### A1.170 Coastal Section 170: Dunedin City



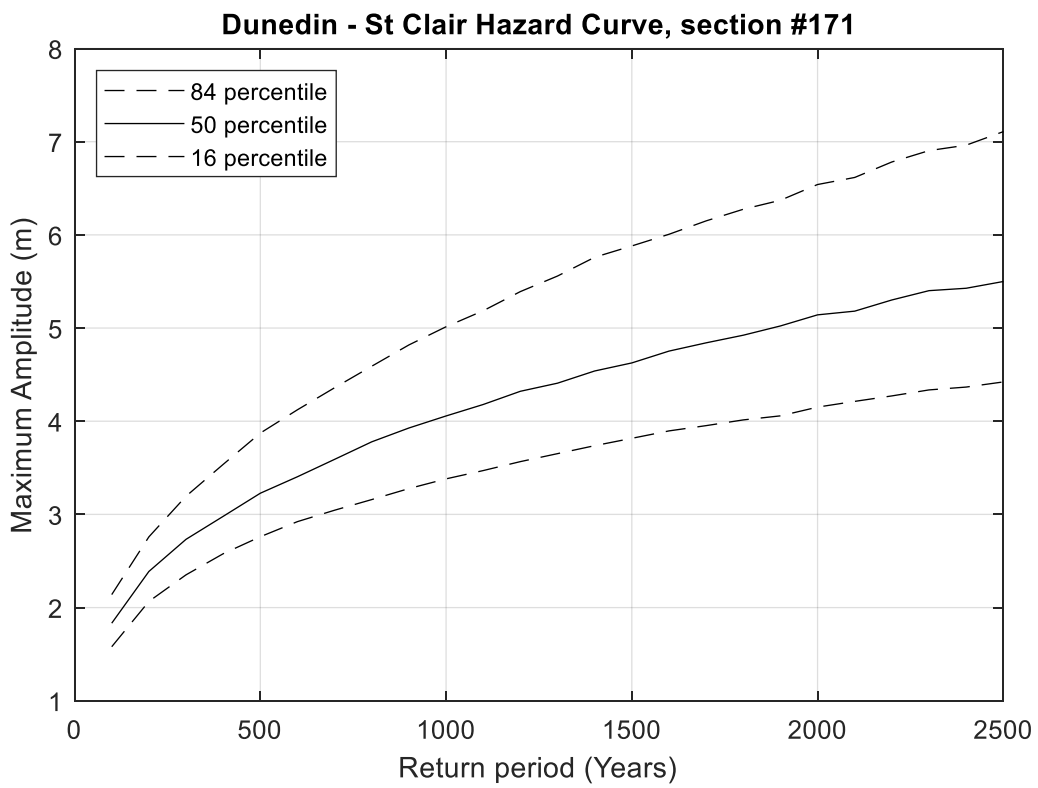
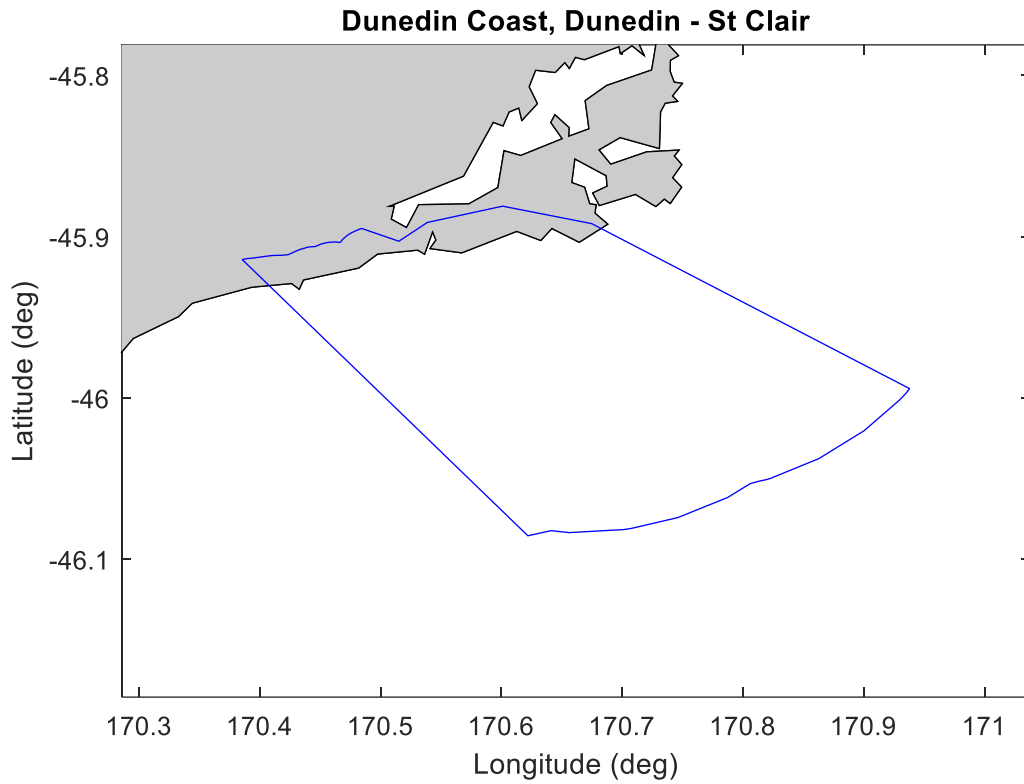
Deaggregation of Section:170, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.82 m



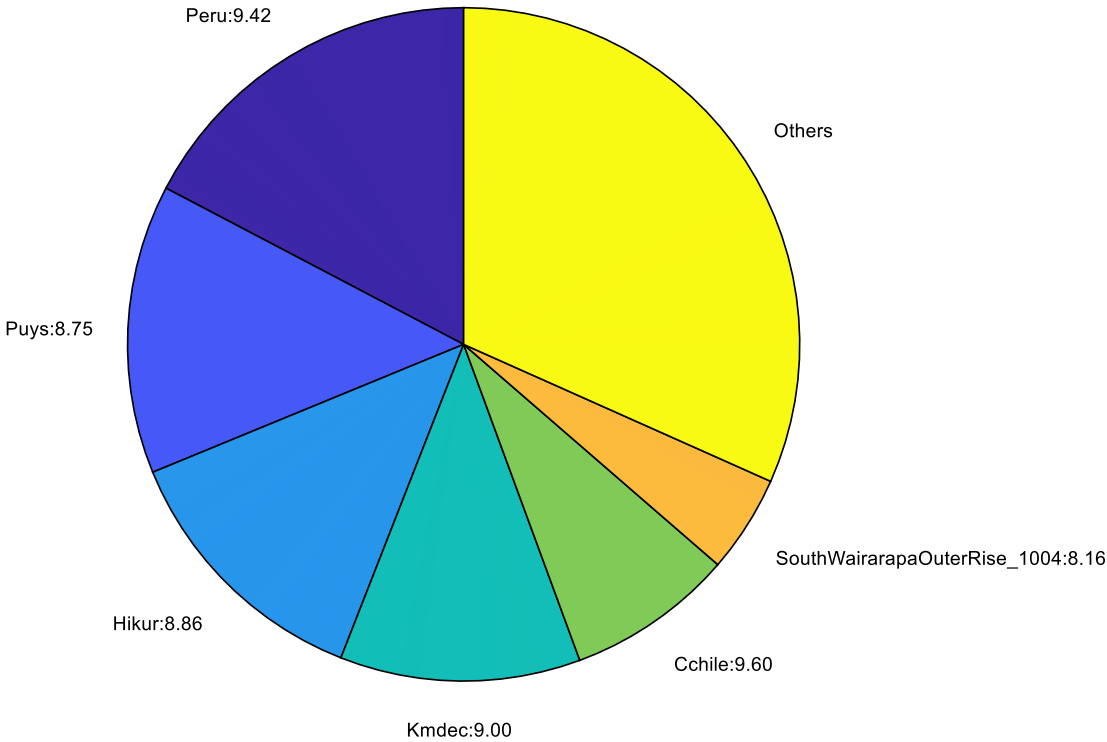
Deaggregation of Section:170, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.45 m



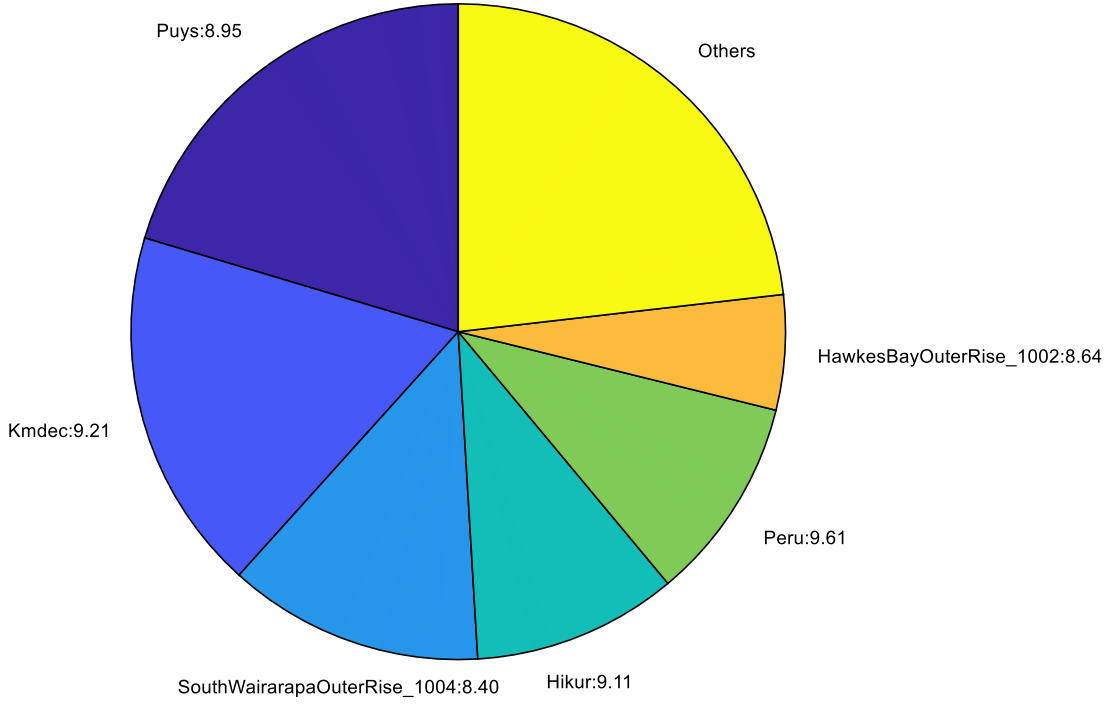
### A1.171 Coastal Section 171: Dunedin – St Clair



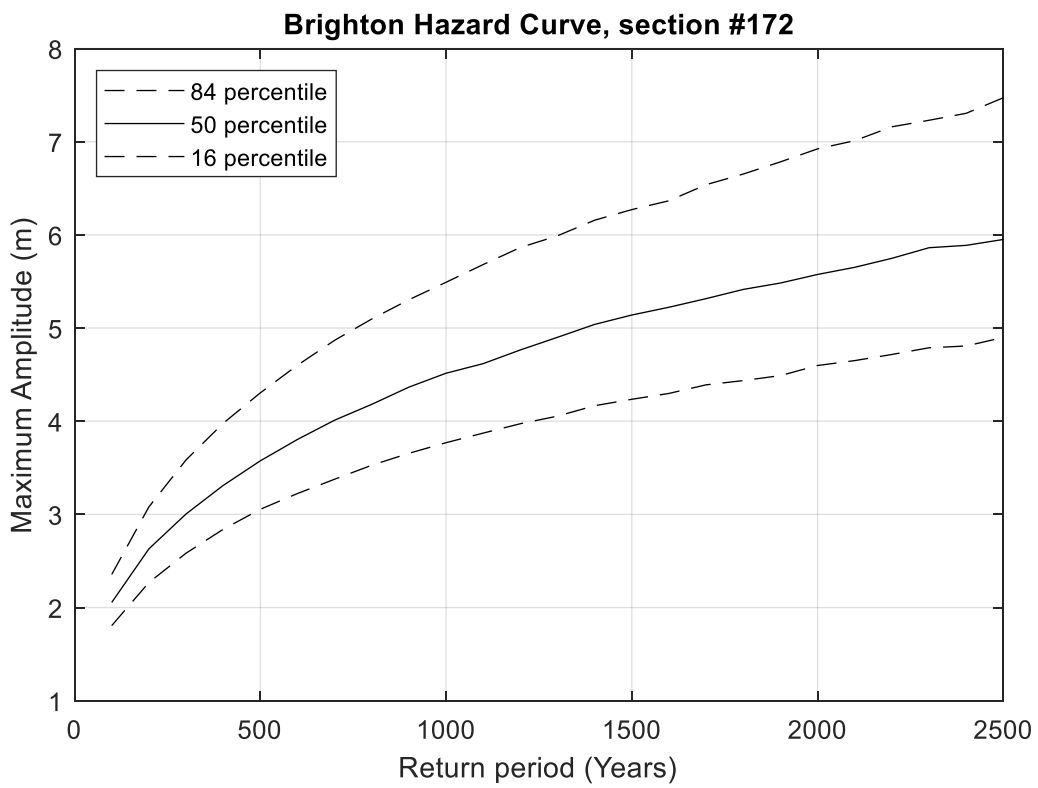
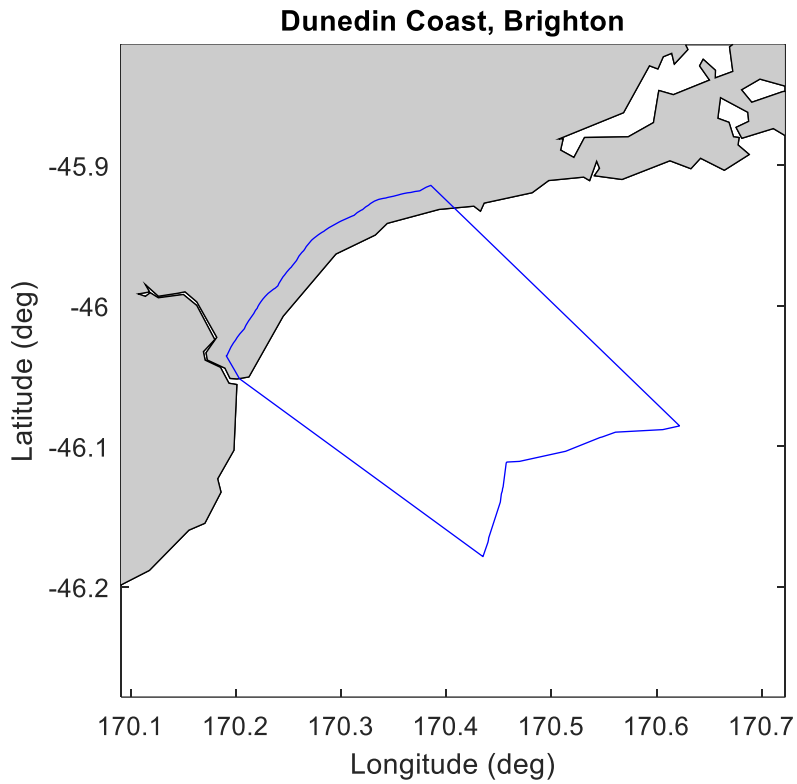
Deaggregation of Section:171, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.23 m



Deaggregation of Section:171, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.50 m

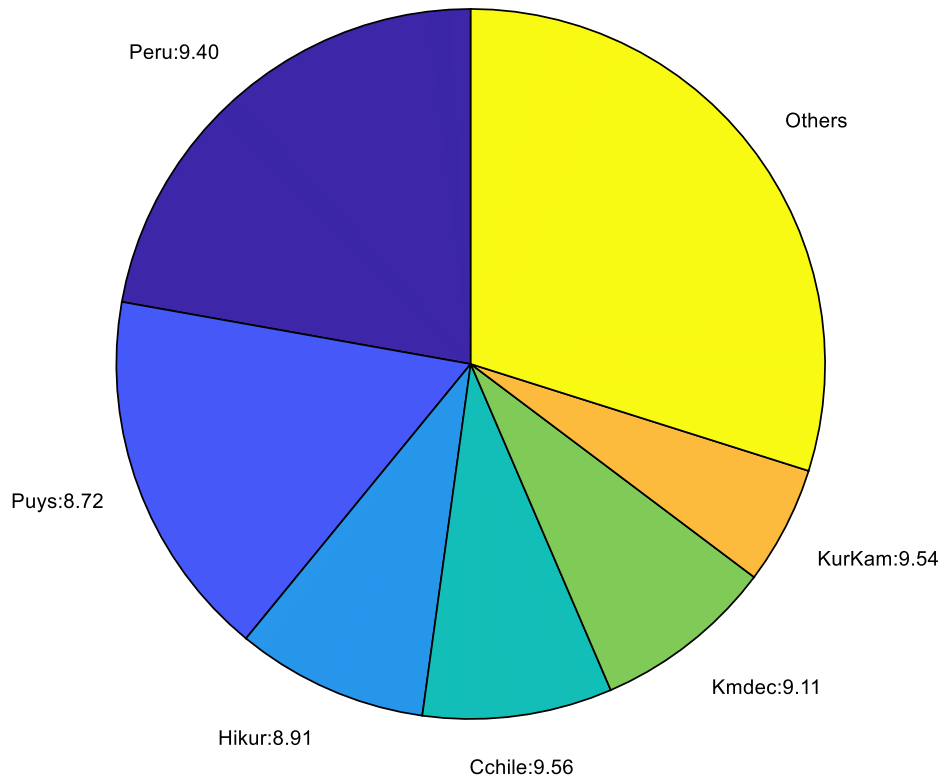


# A1.172 Coastal Section 172: Brighton

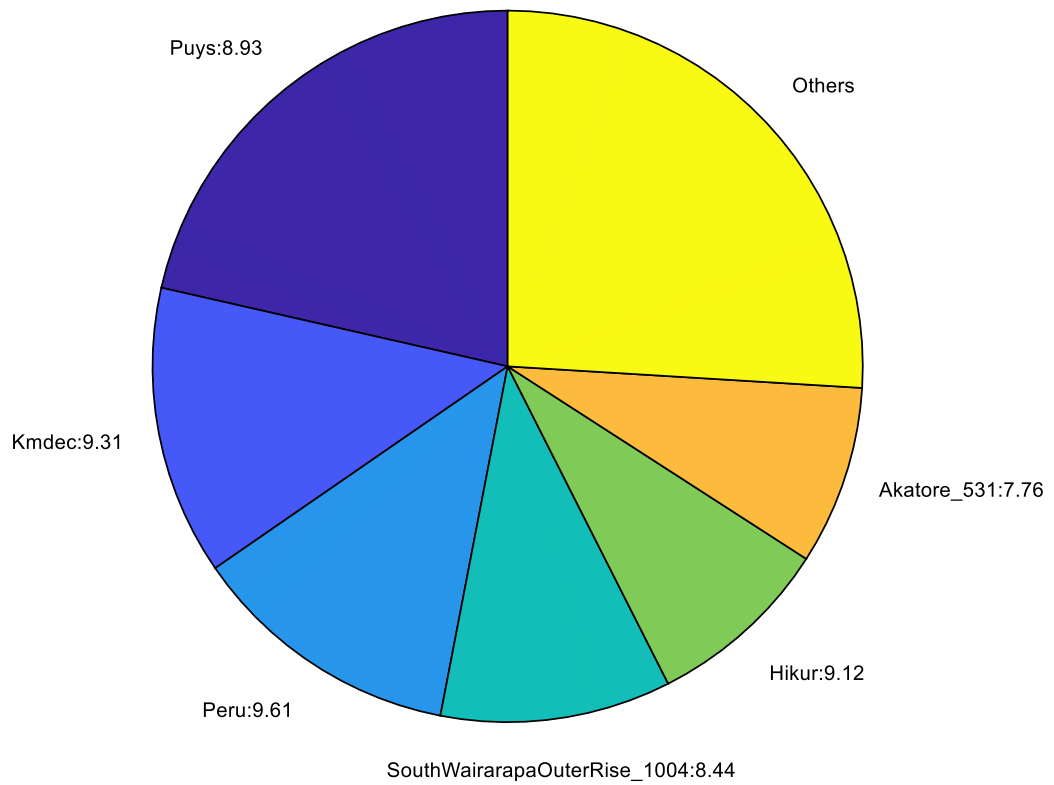




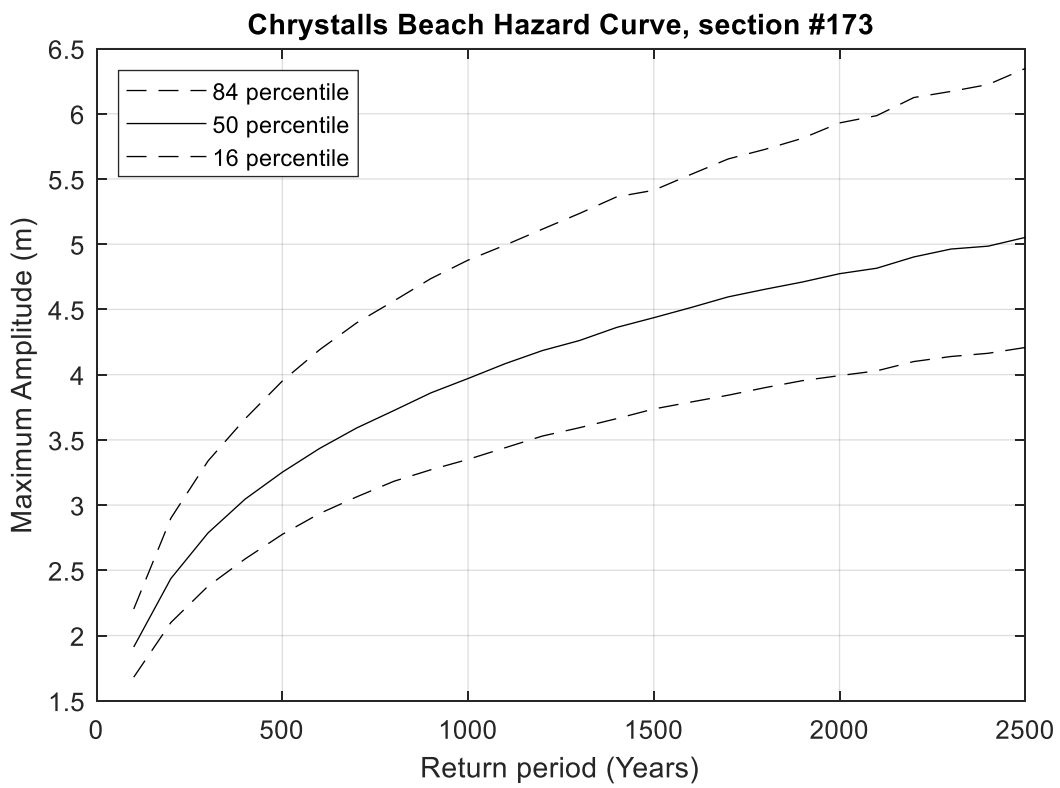
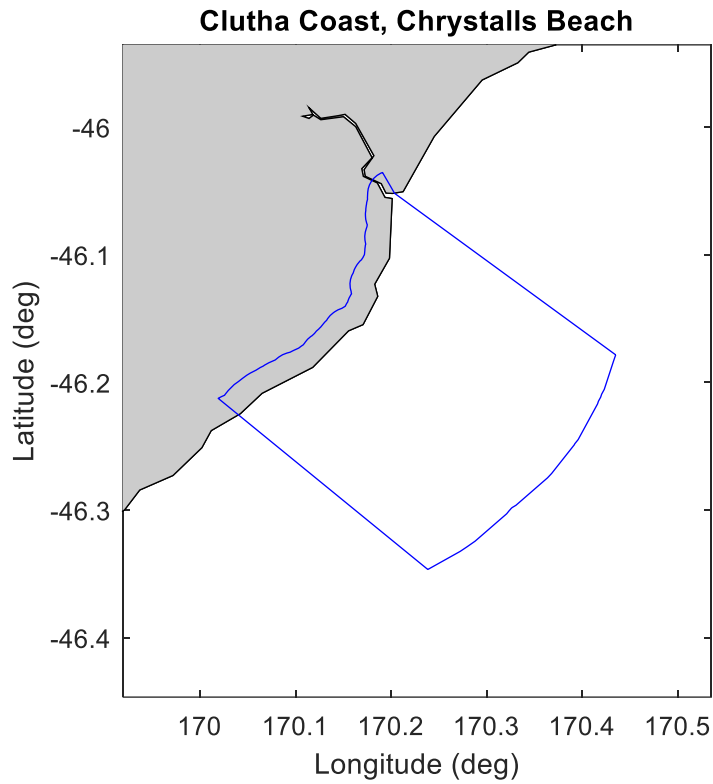
Deaggregation of Section:172, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.57 m



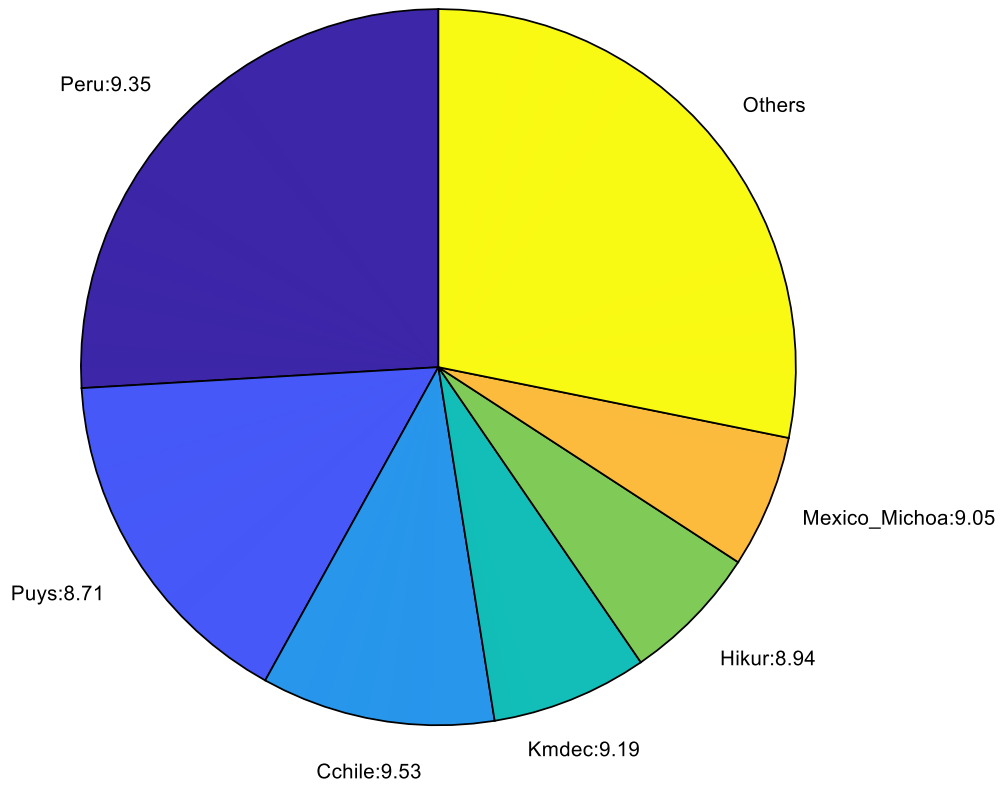
Deaggregation of Section:172, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.95 m



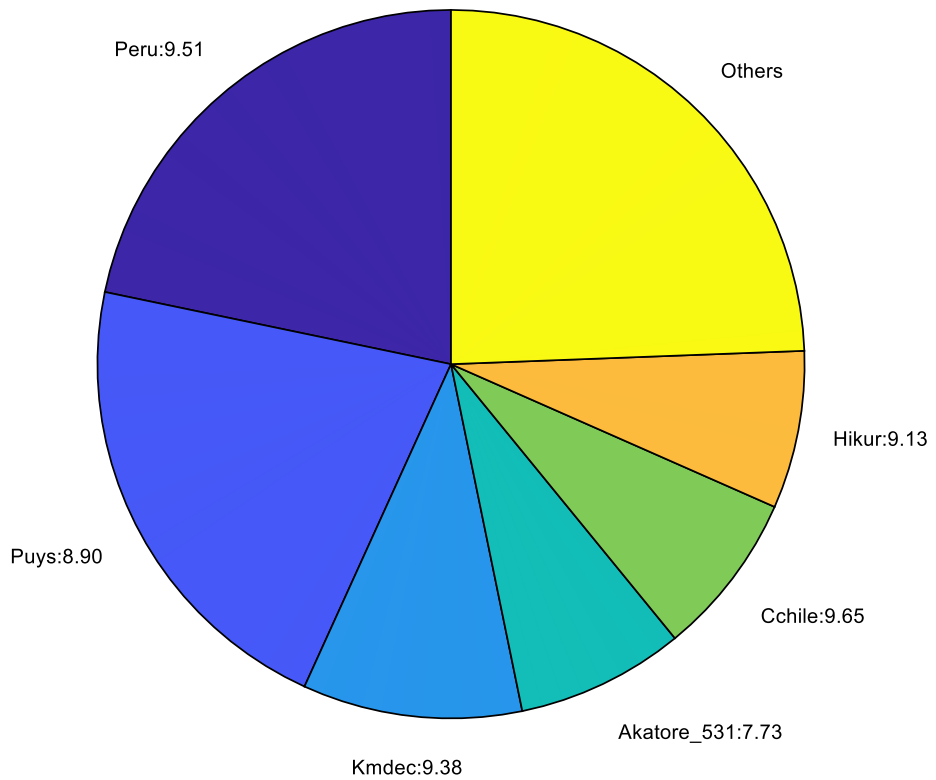
### A1.173 Coastal Section 173: Chrystalls Beach



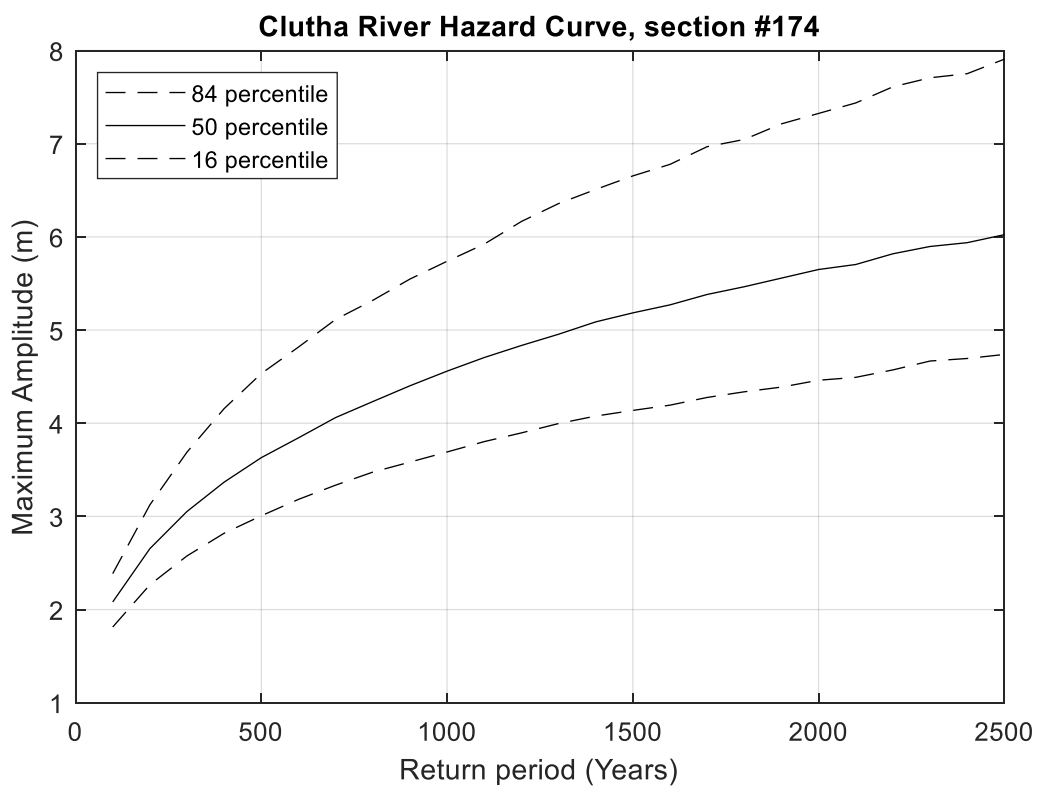
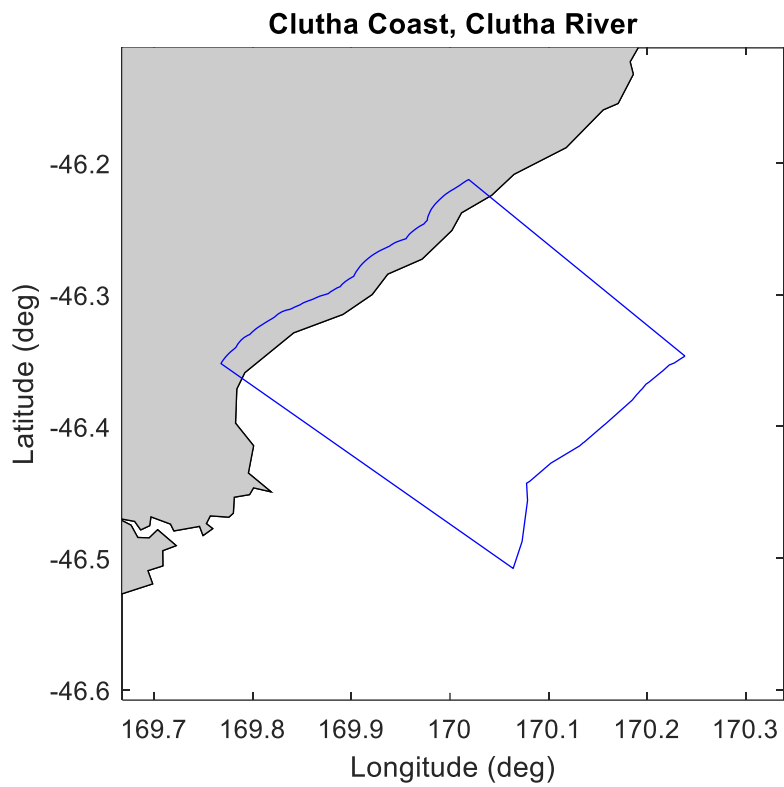
Deaggregation of Section:173, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.25 m



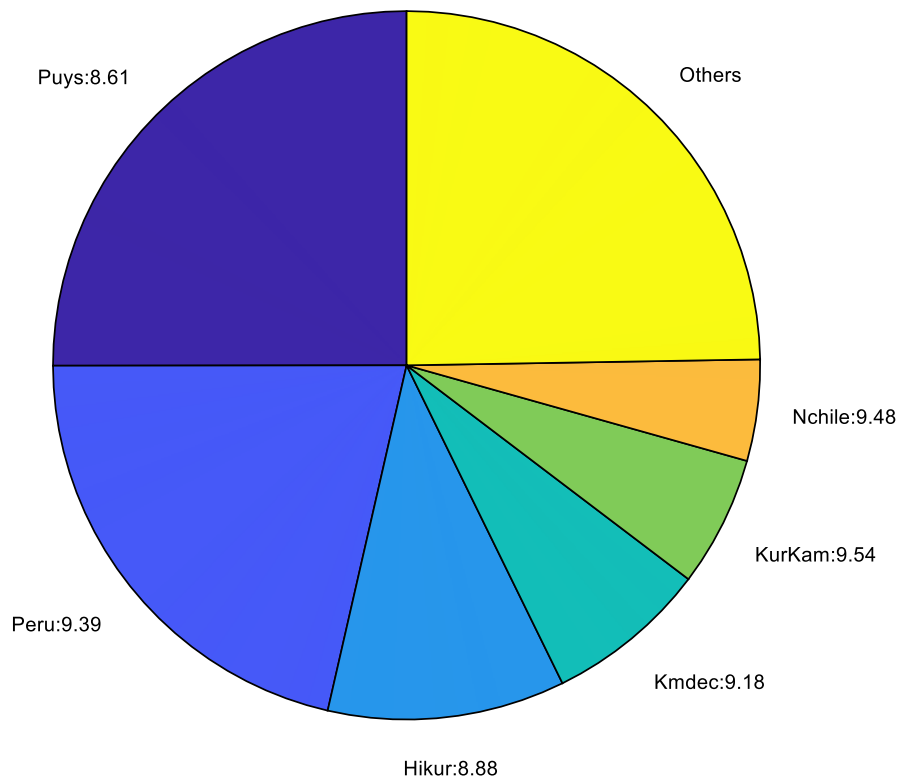
Deaggregation of Section:173, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.05 m



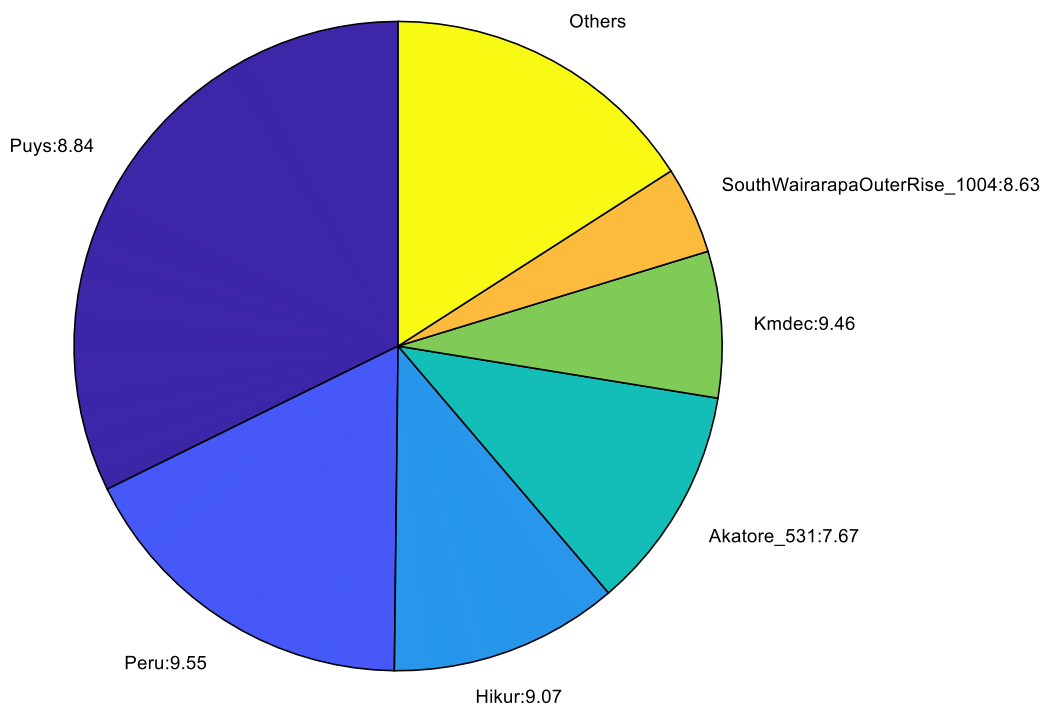
### A1.174 Coastal Section 174: Clutha River



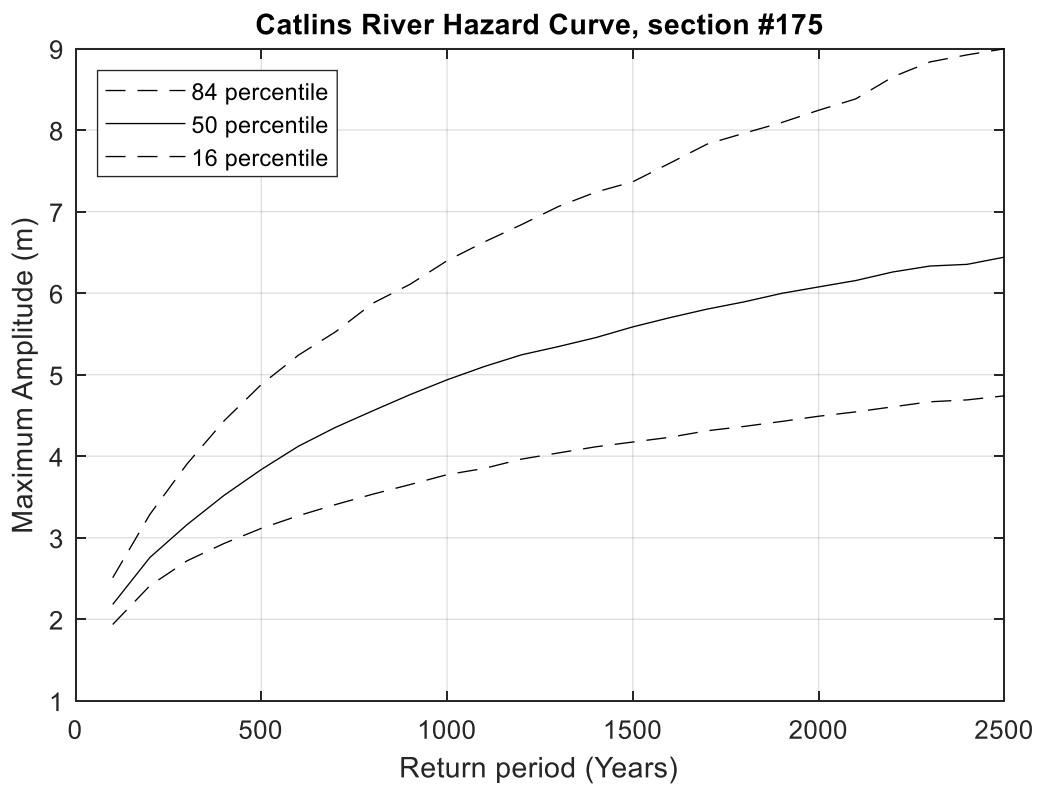
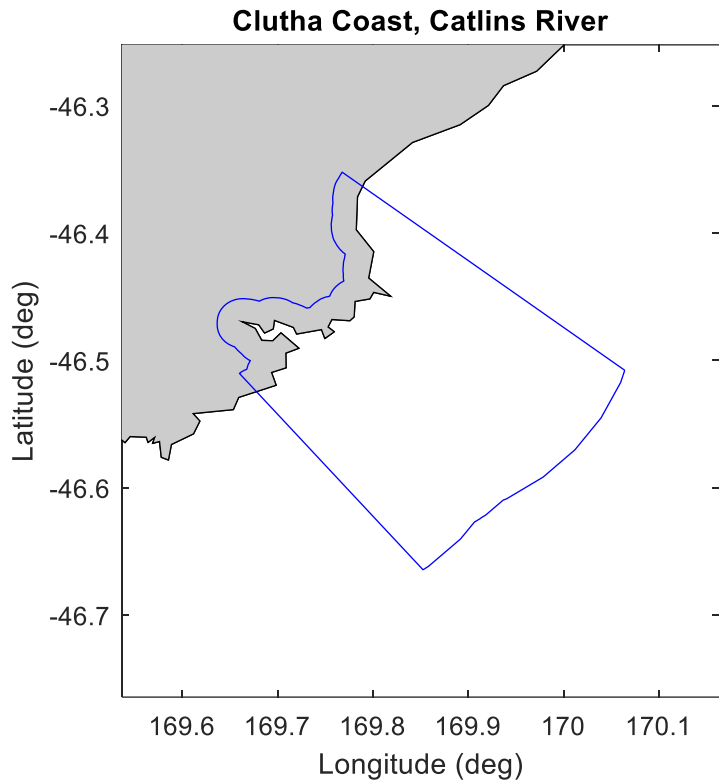
Deaggregation of Section:174, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.63 m



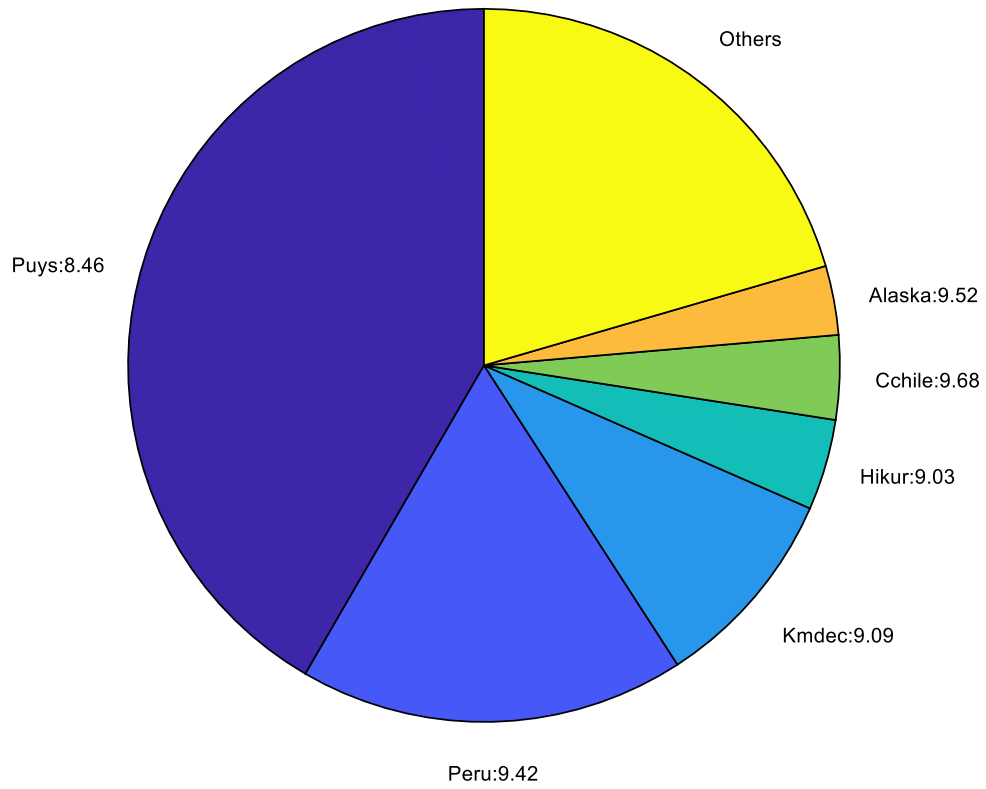
Deaggregation of Section:174, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.02 m



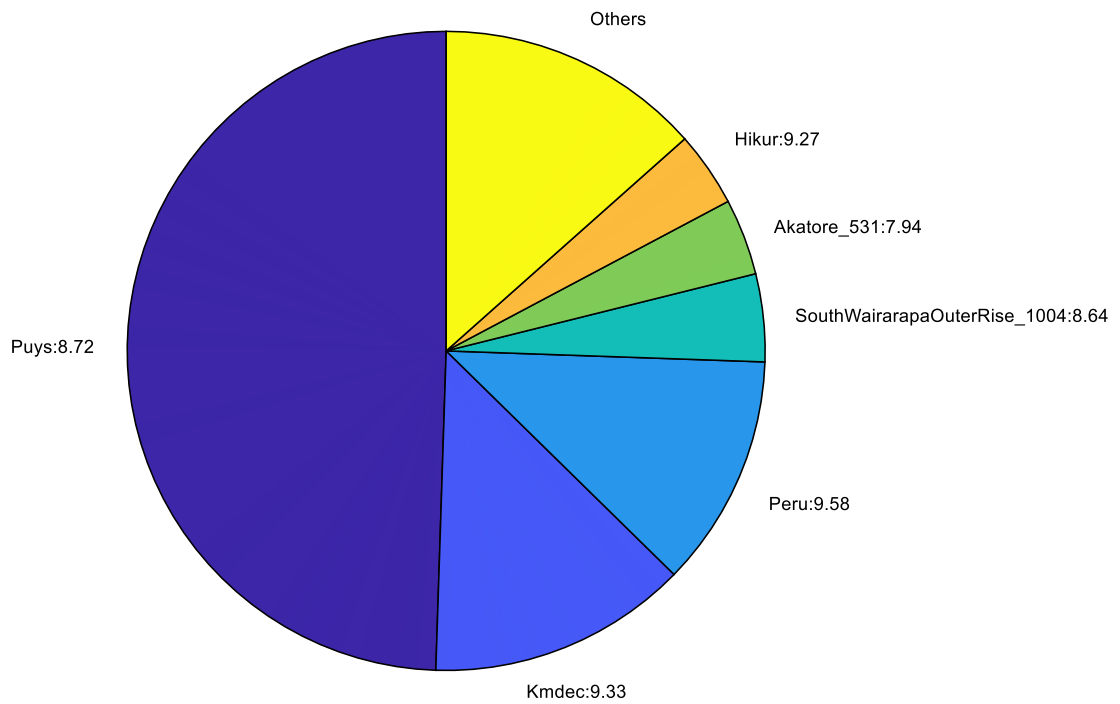
### A1.175 Coastal Section 175: Catlins River



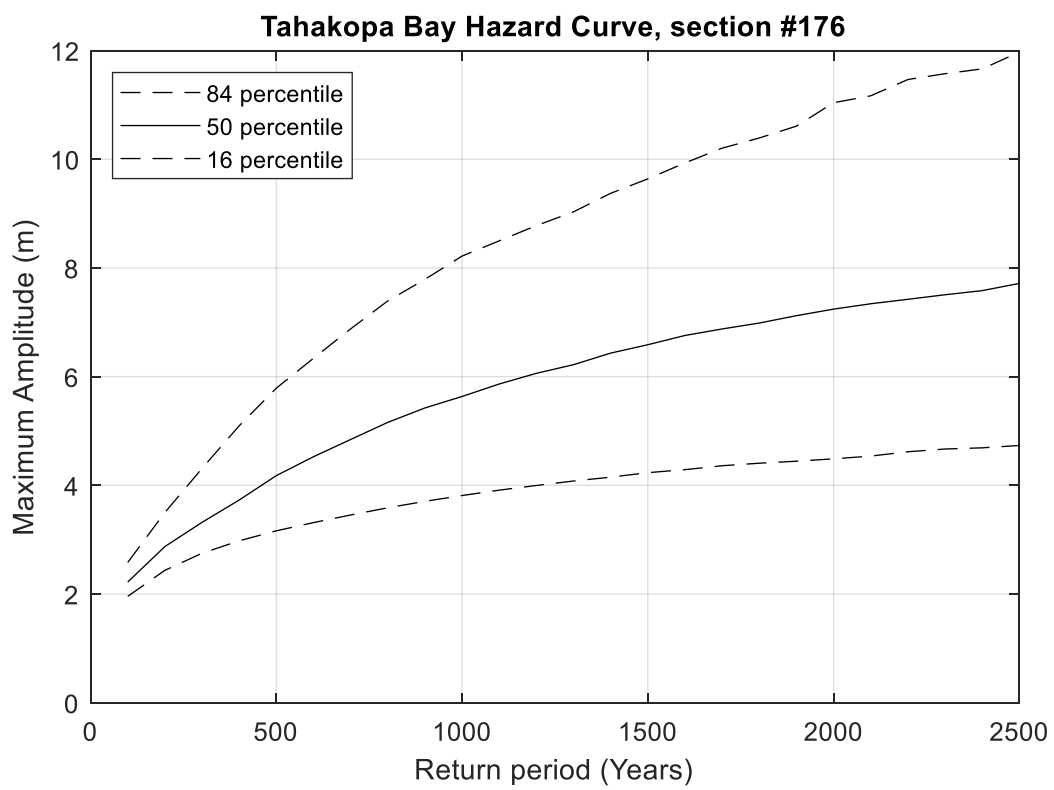
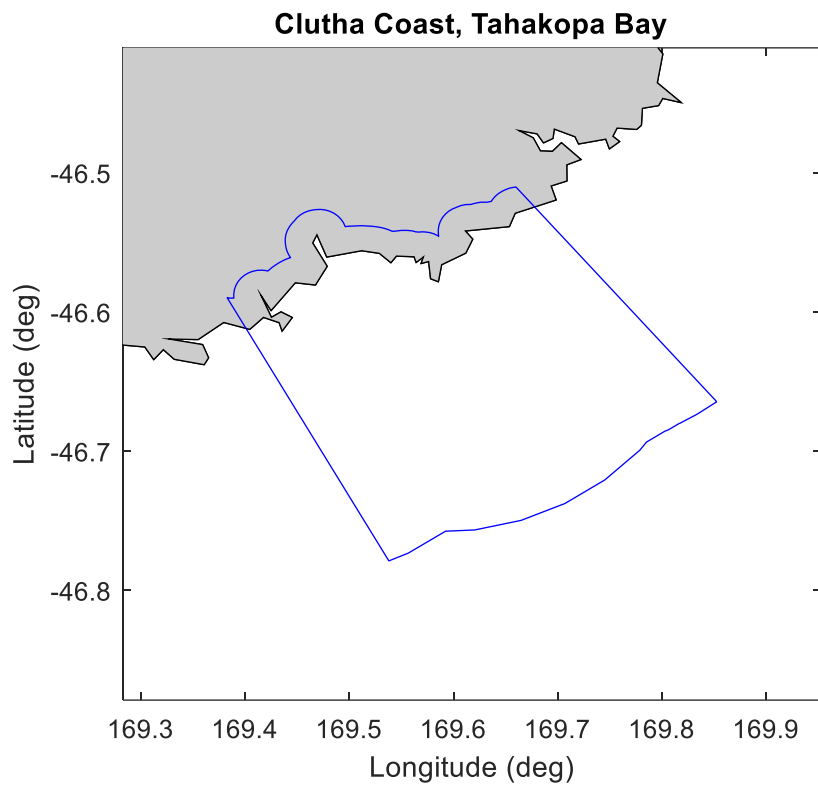
Deaggregation of Section:175, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.84 m



Deaggregation of Section:175, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.44 m

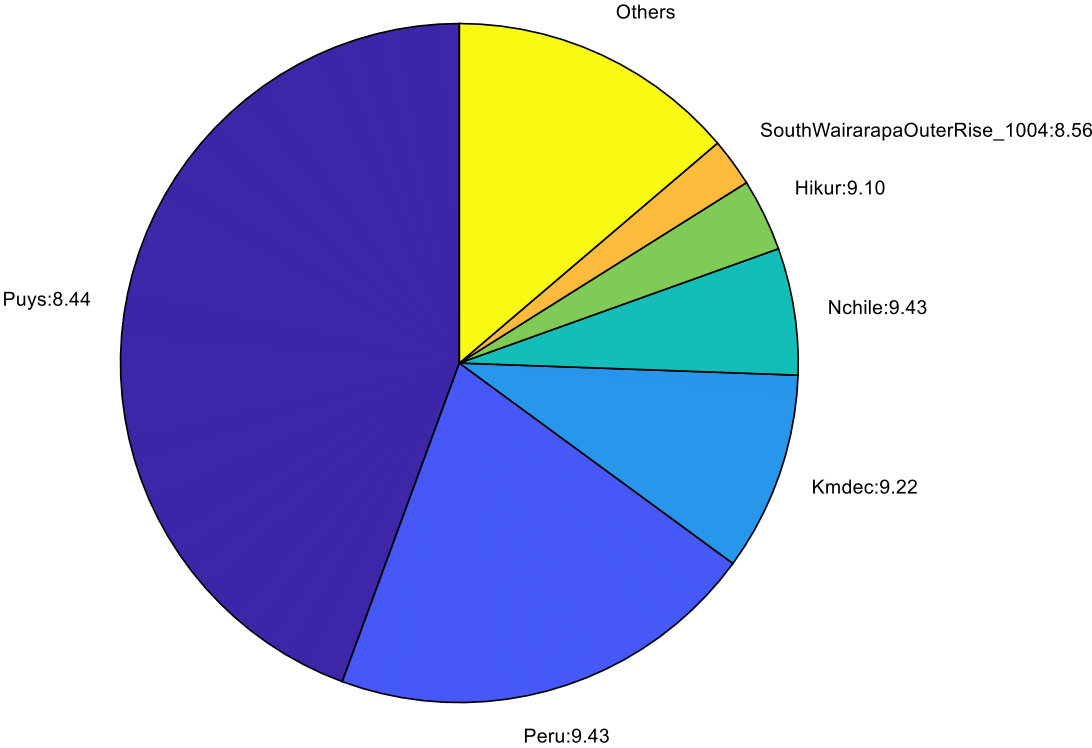


# A1.176 Coastal Section 176: Tahakopa Bay

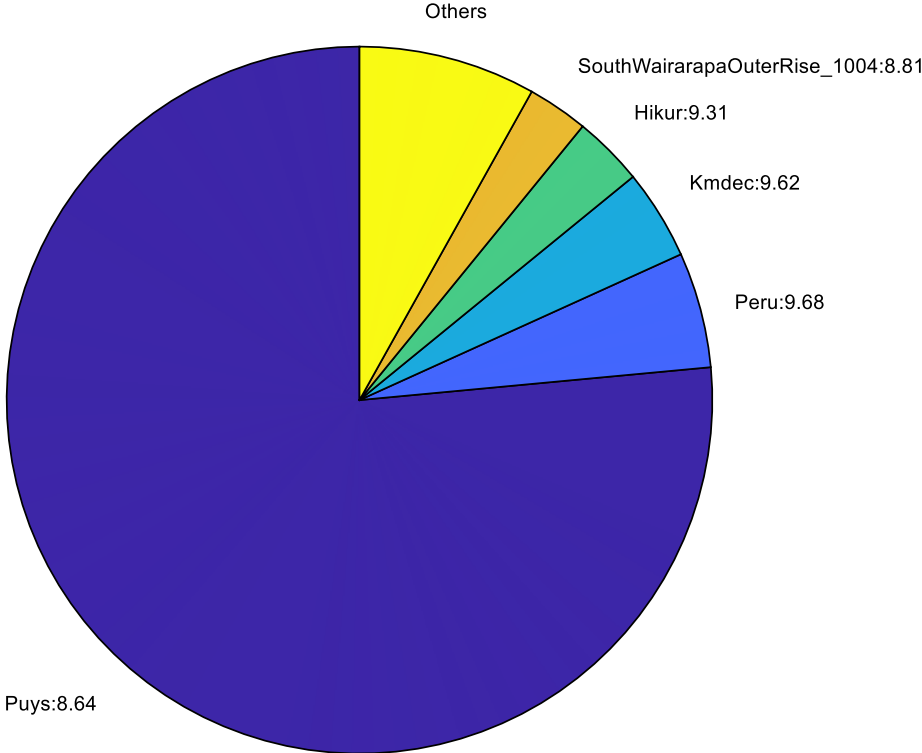




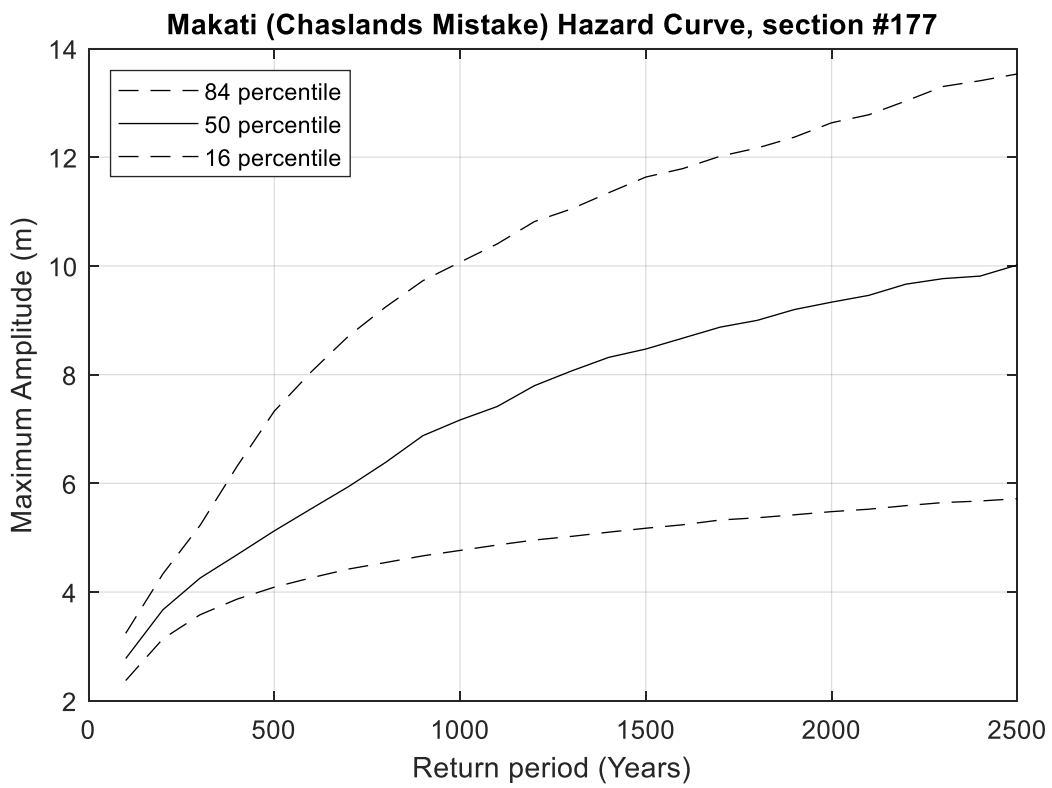
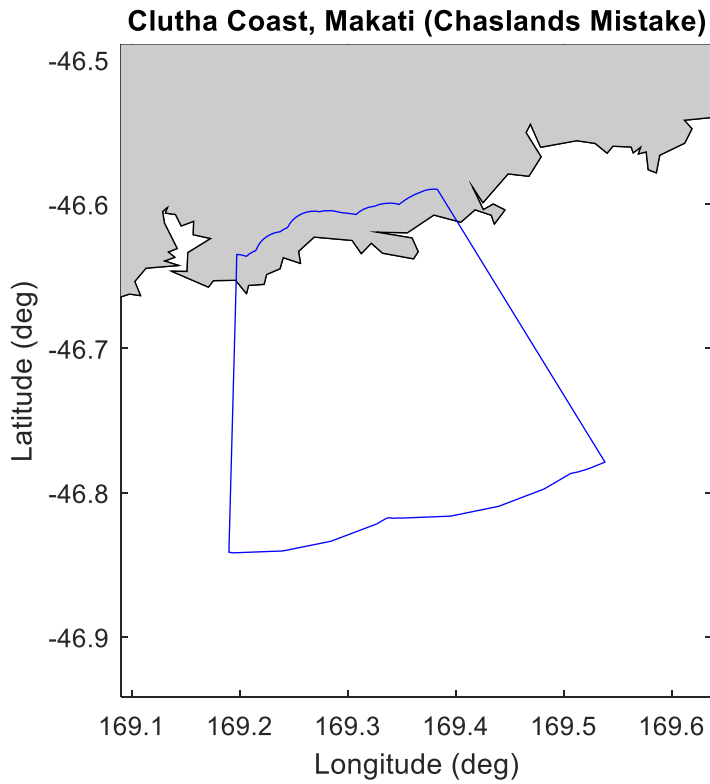
Deaggregation of Section:176, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.17 m



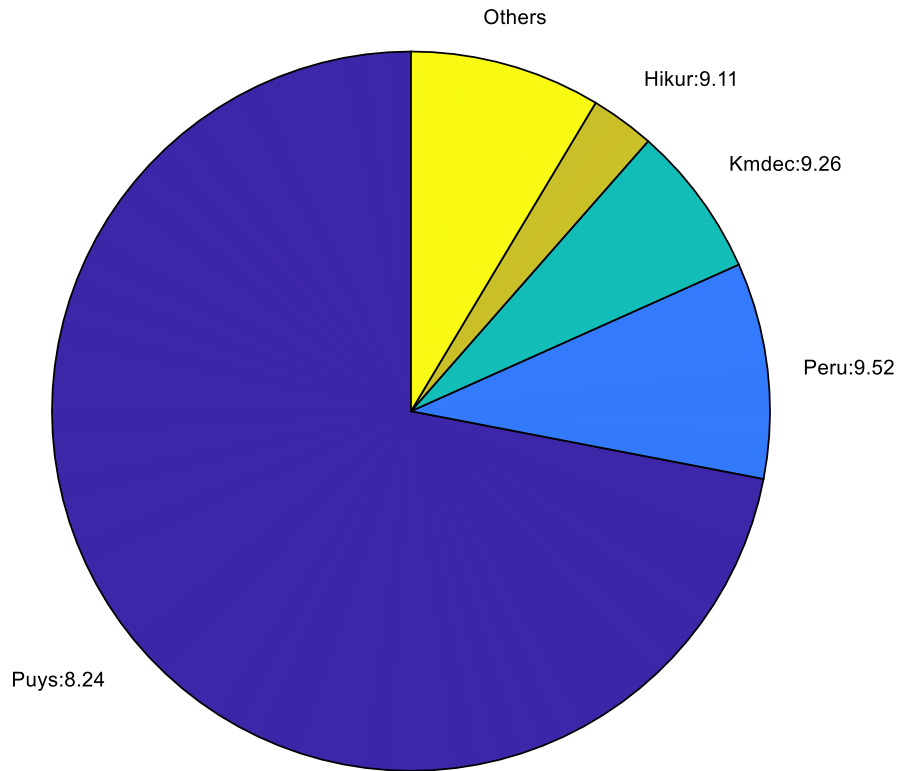
Deaggregation of Section:176, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.71 n



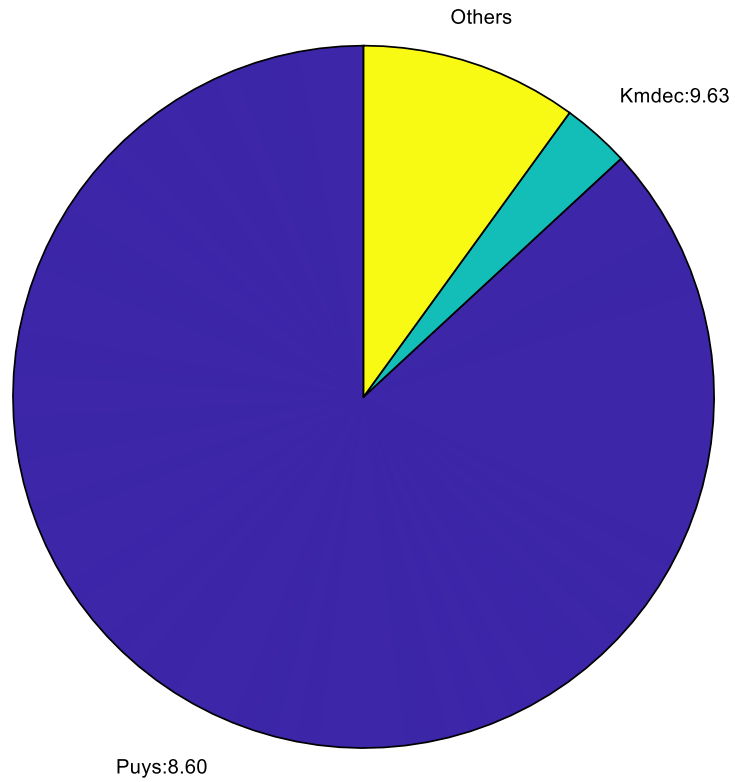
**A1.177 Coastal Section 177: Makati (Chaslands Mistake)**



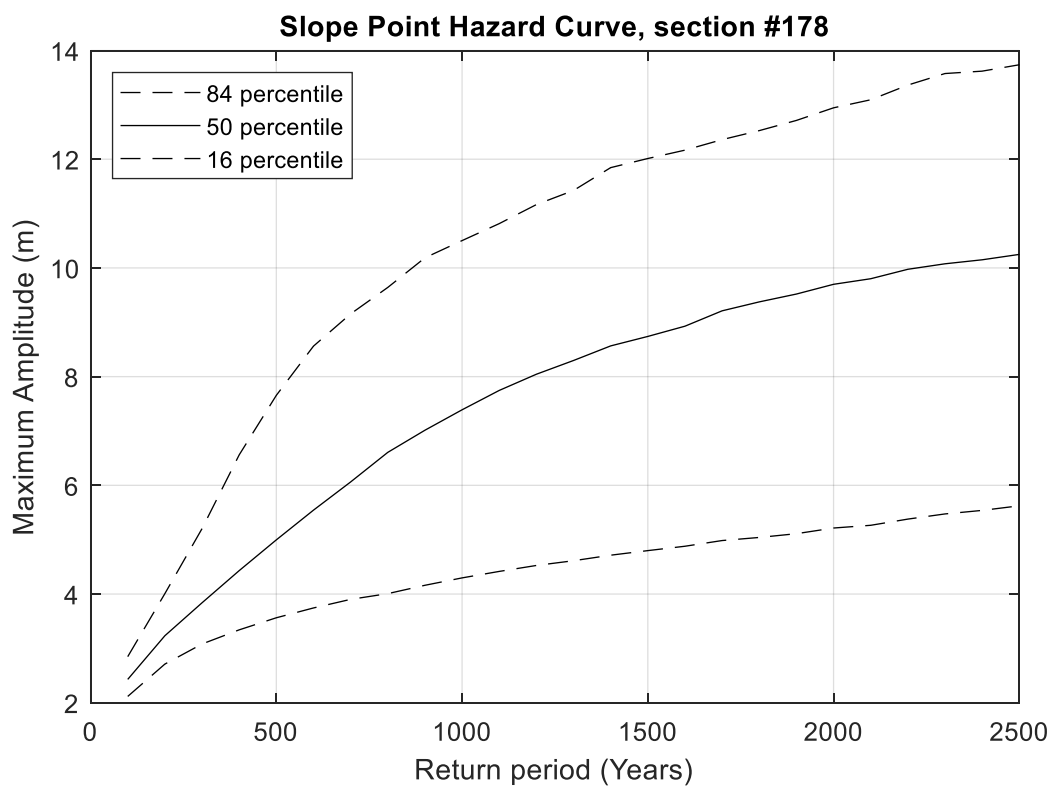
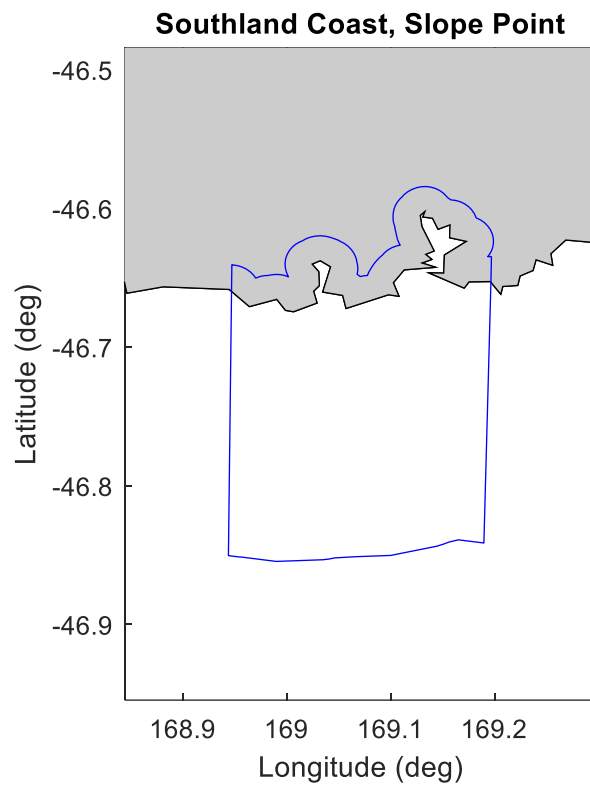
Deaggregation of Section:177, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.12 m



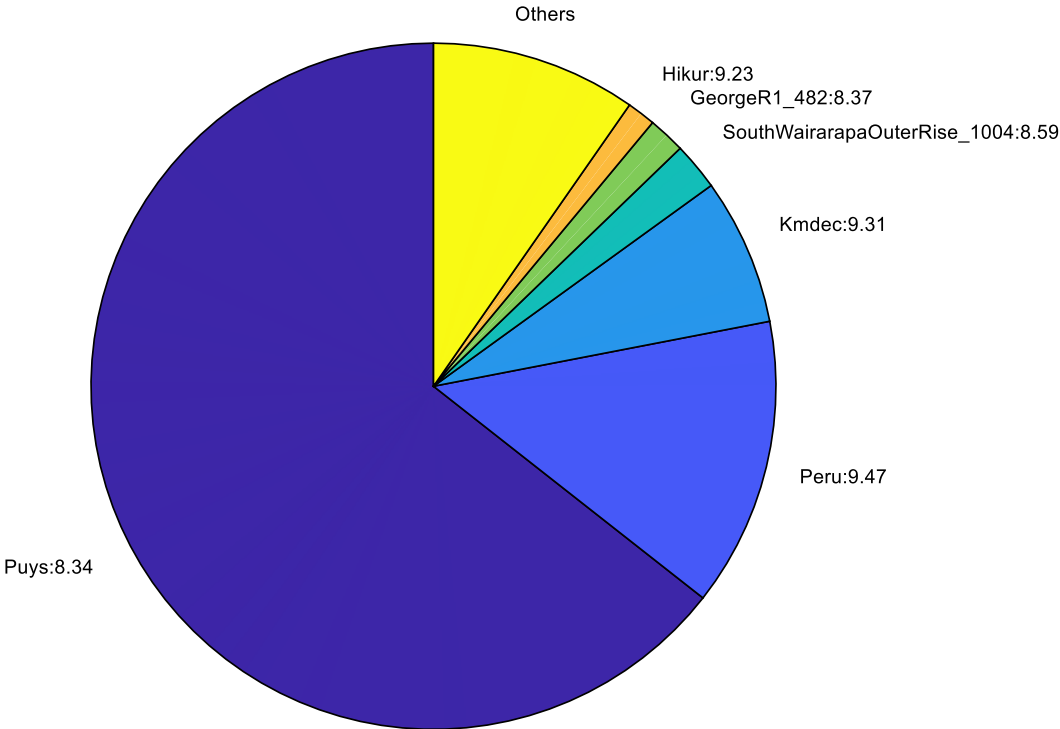
Deaggregation of Section:177, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:10.01 m



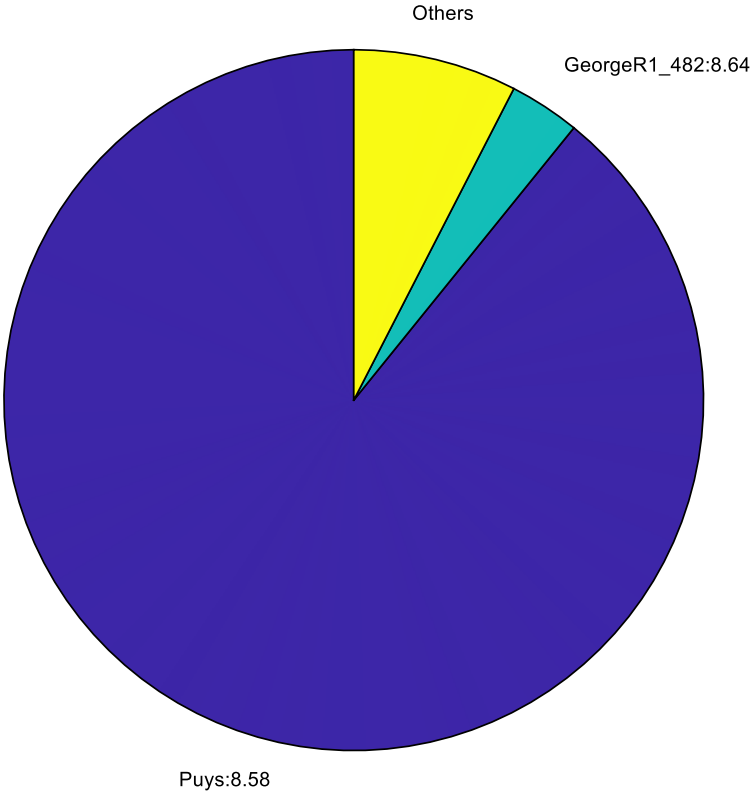
## A1.178 Coastal Section 178: Slope Point



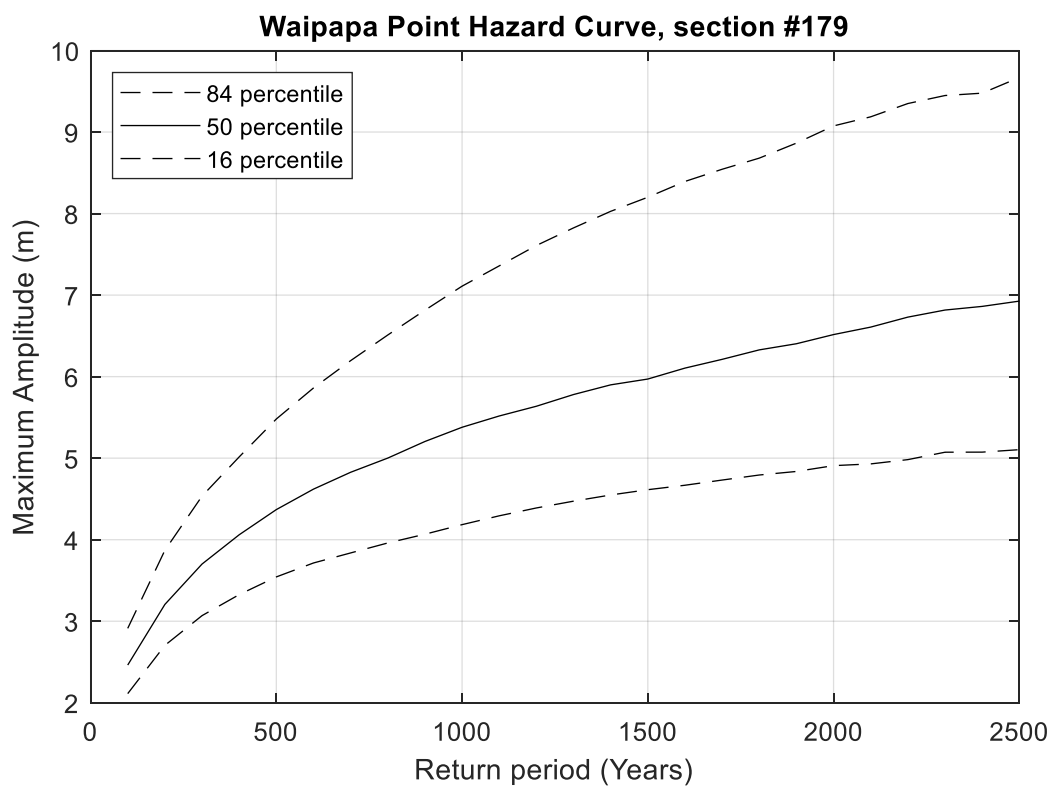
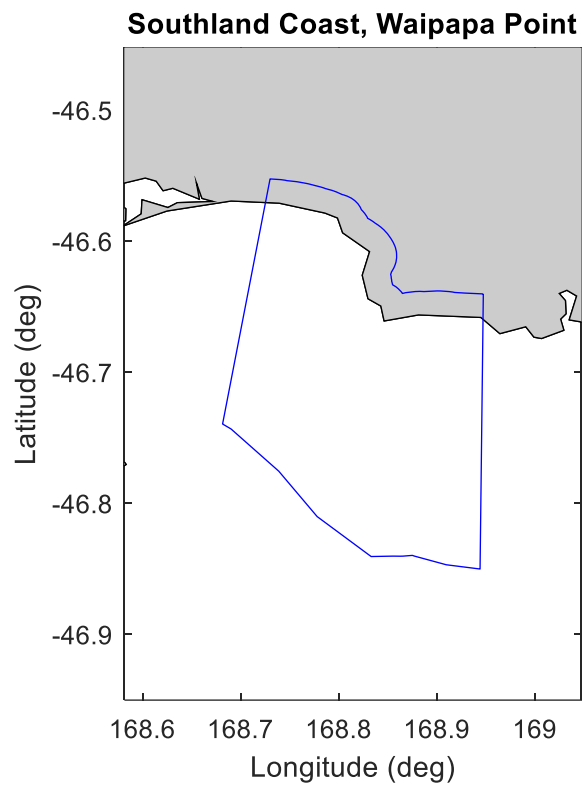
Deaggregation of Section:178, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.00 m



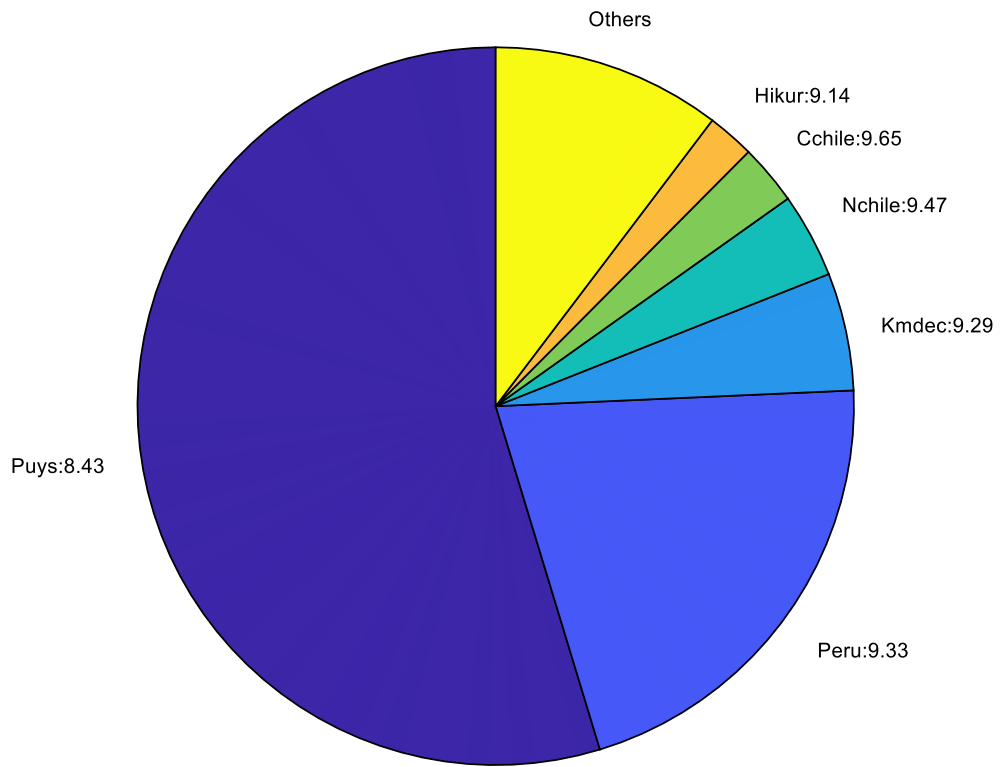
Deaggregation of Section:178, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:10.24 m



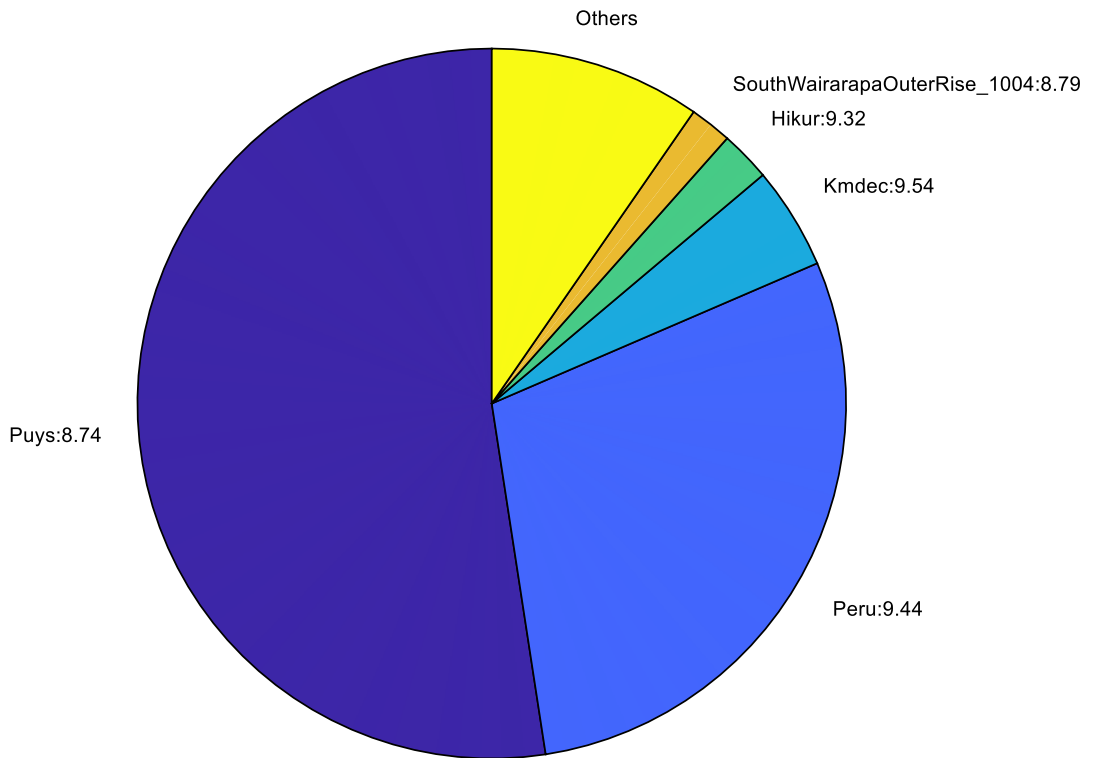
## A1.179 Coastal Section 179: Waipapa Point



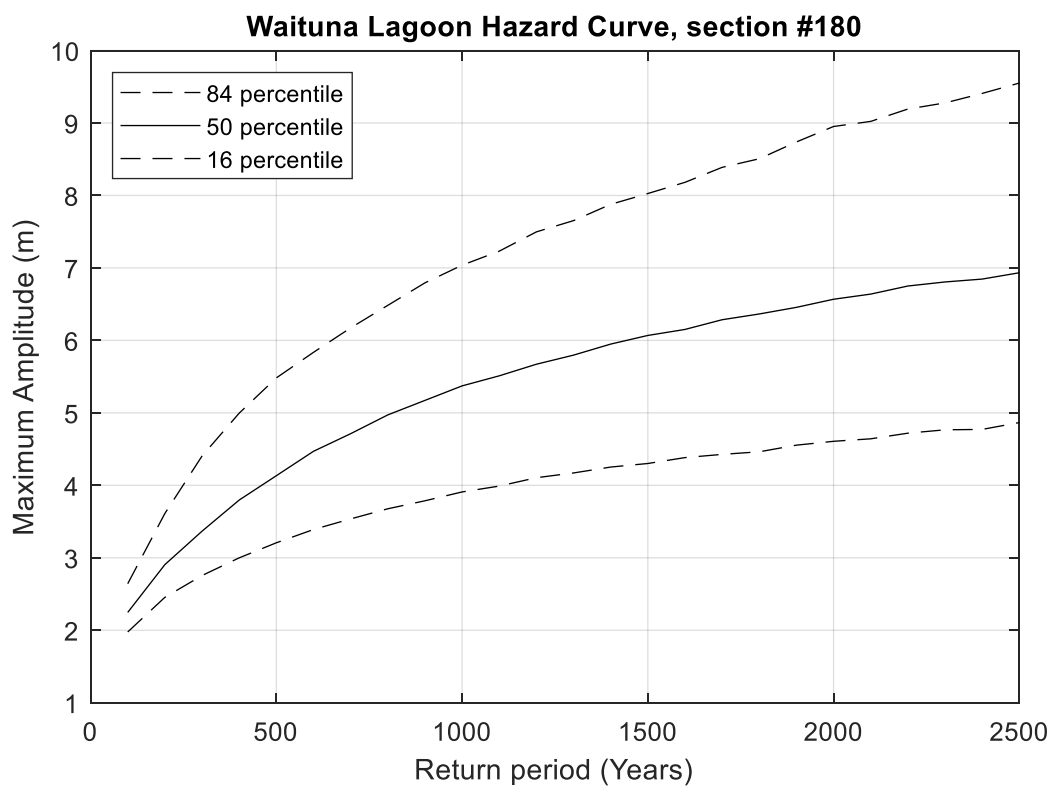
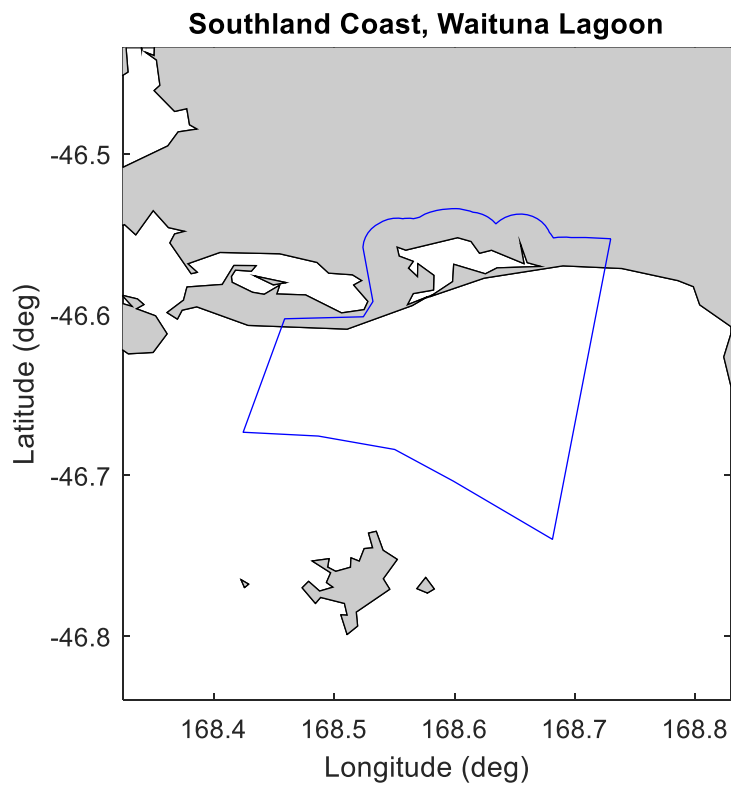
Deaggregation of Section:179, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.36 m



Deaggregation of Section:179, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.93 m

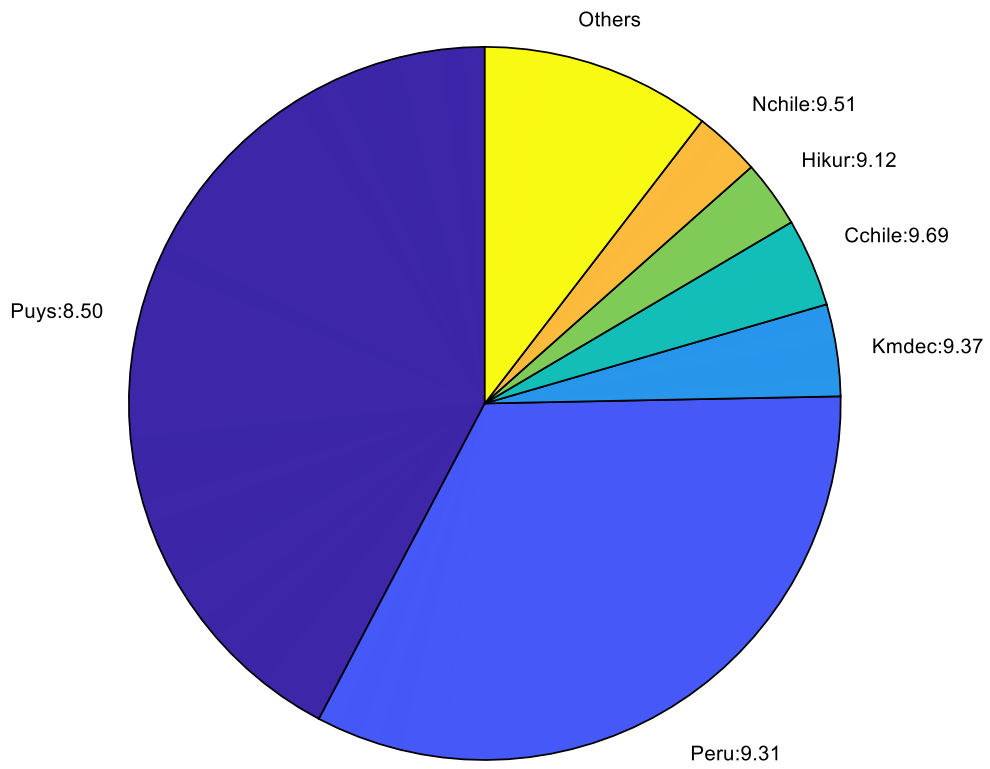


## A1.180 Coastal Section 180: Waituna Lagoon

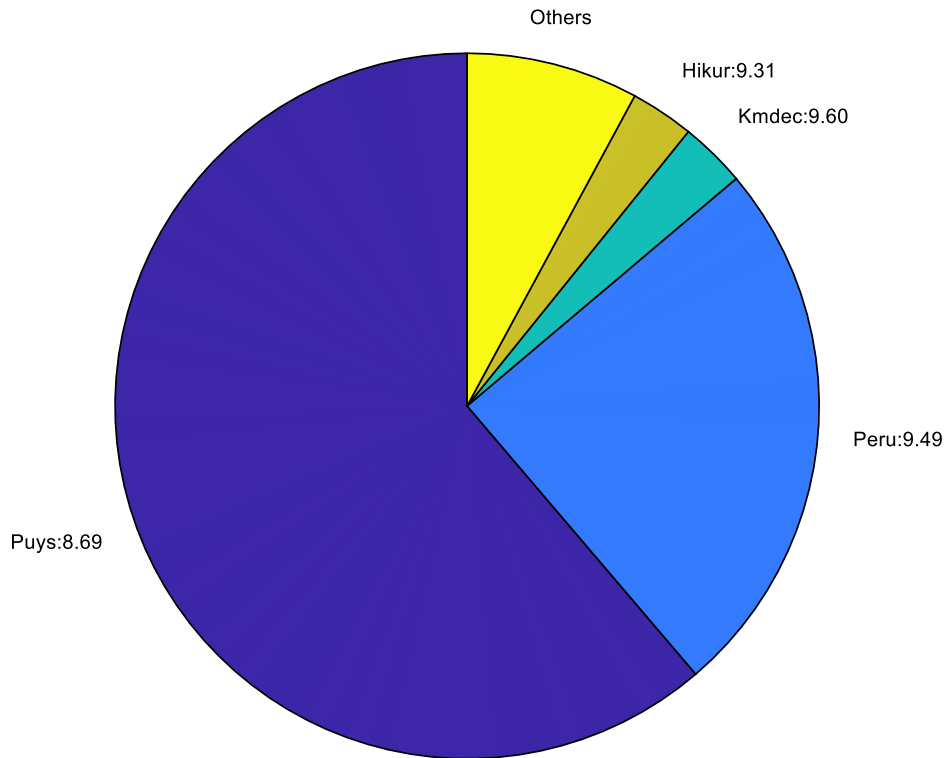




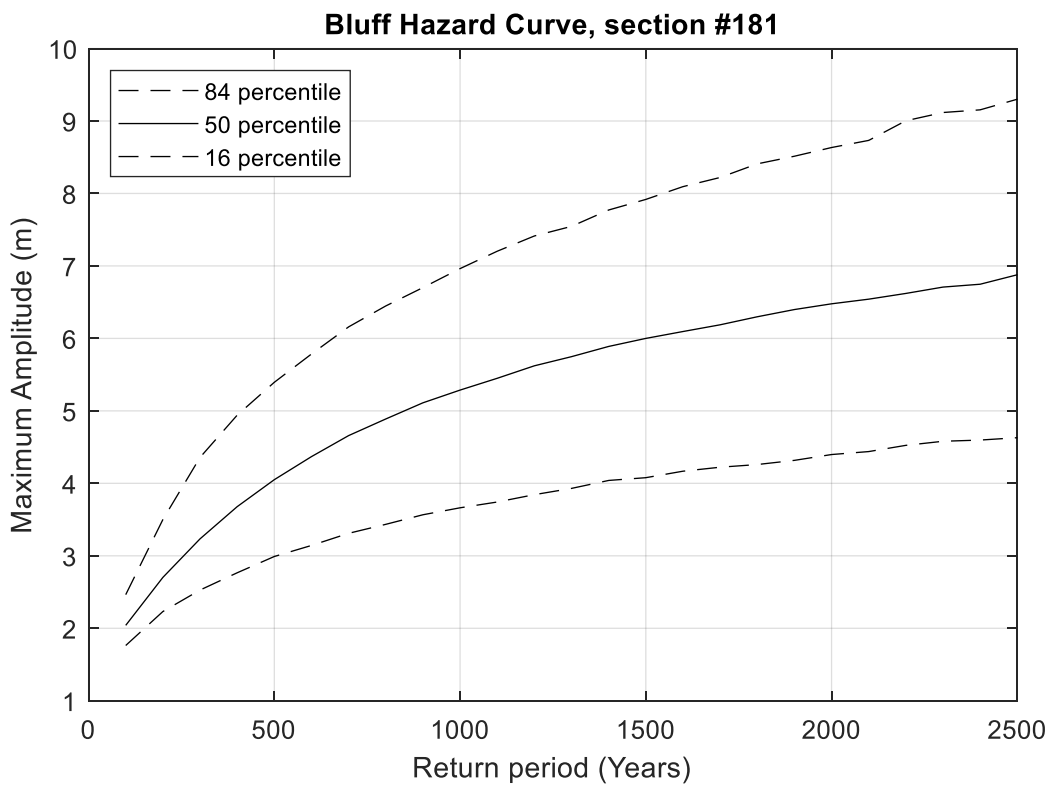
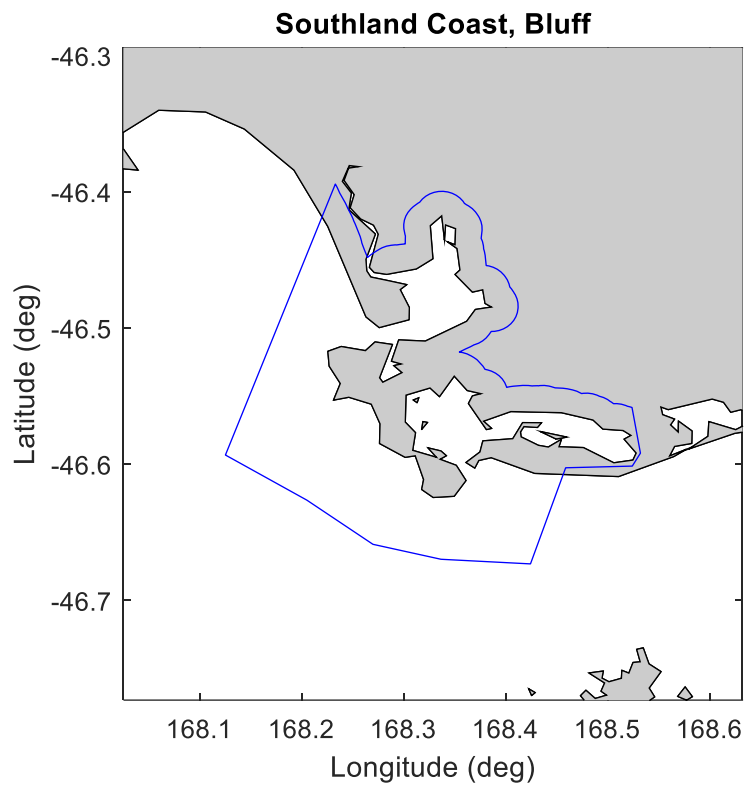
Deaggregation of Section:180, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.13 m



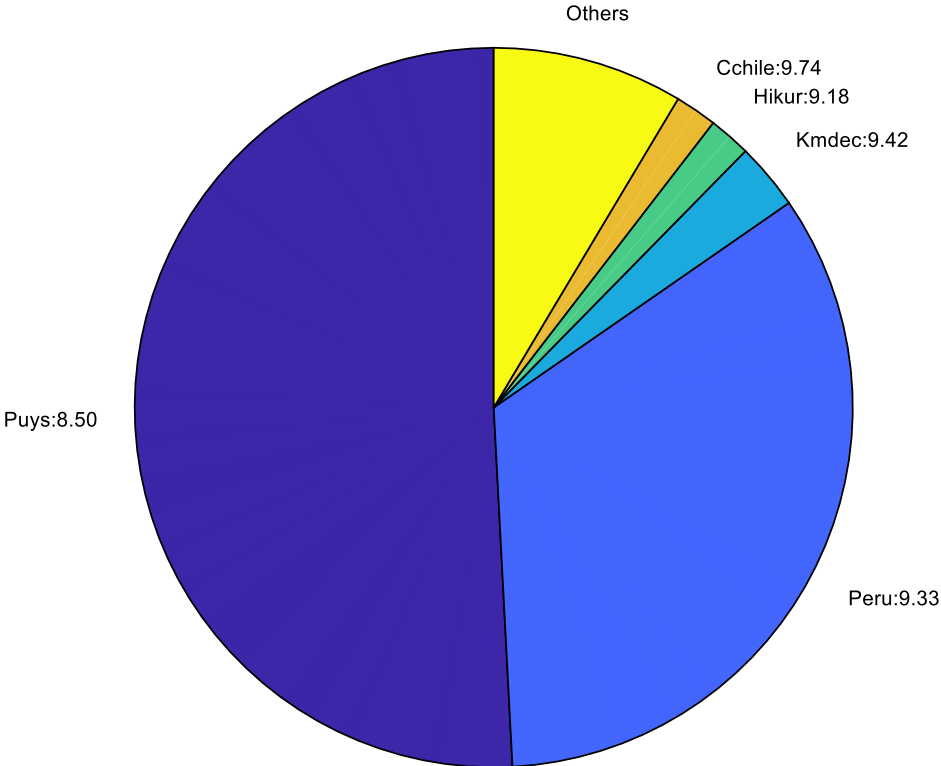
Deaggregation of Section:180, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.93 m



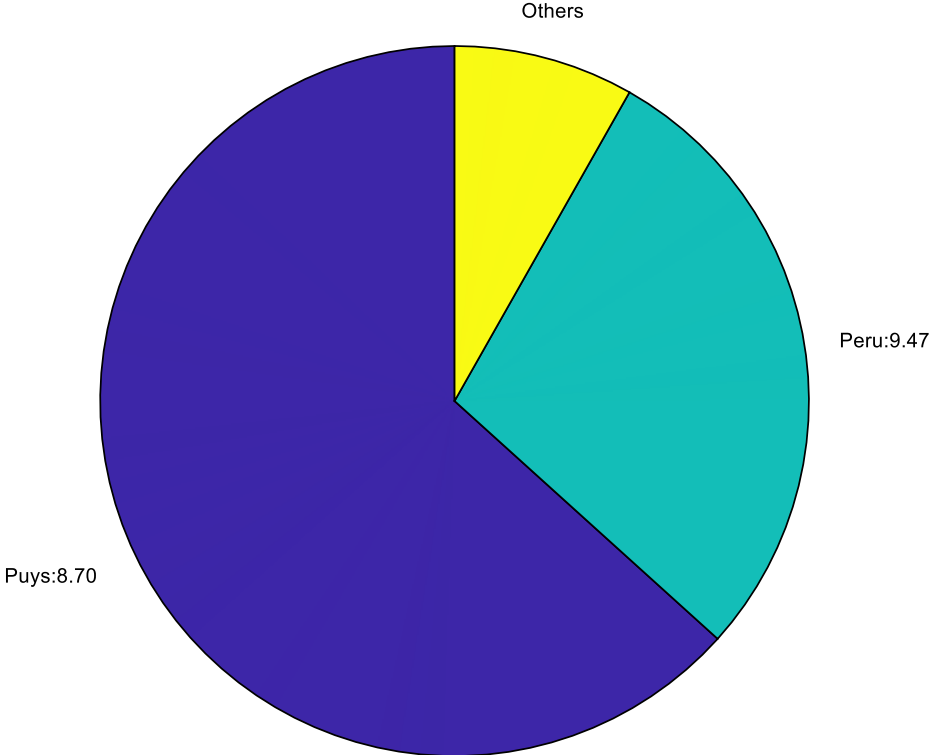
# A1.181 Coastal Section 181: Bluff



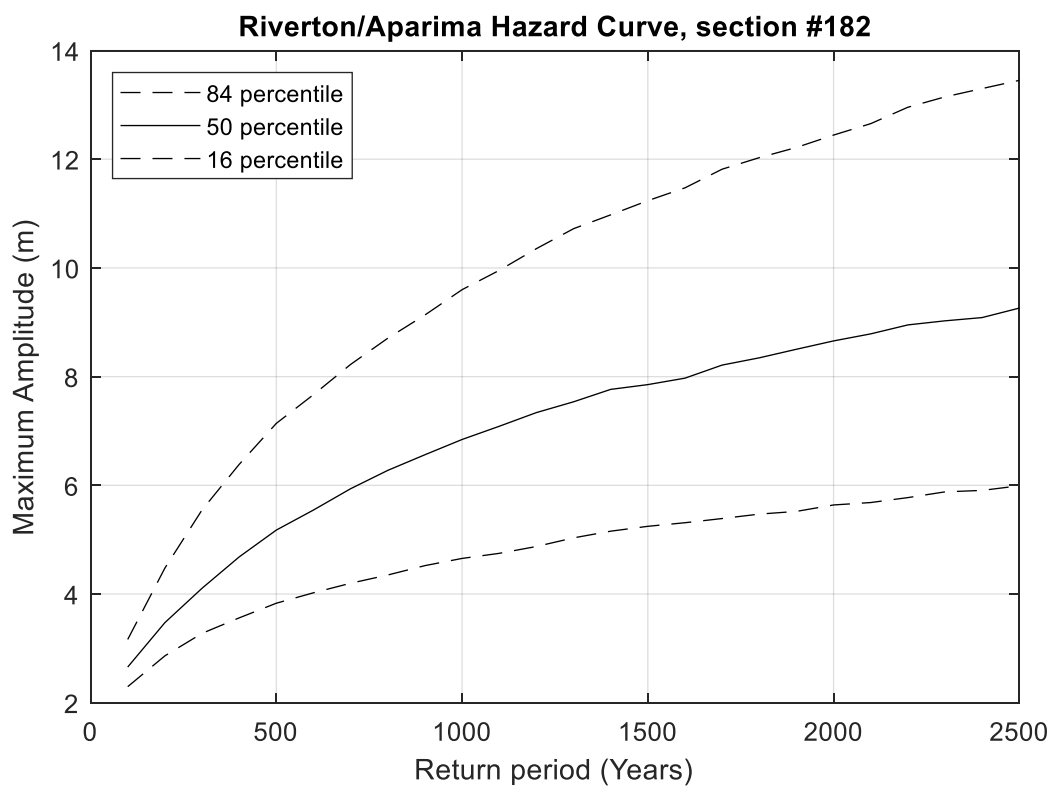
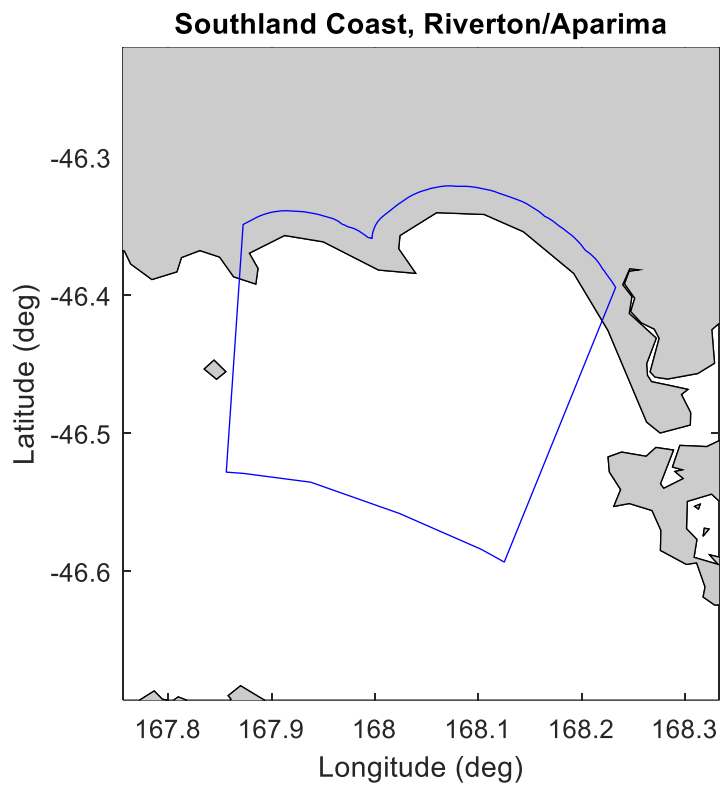
Deaggregation of Section:181, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.05 m



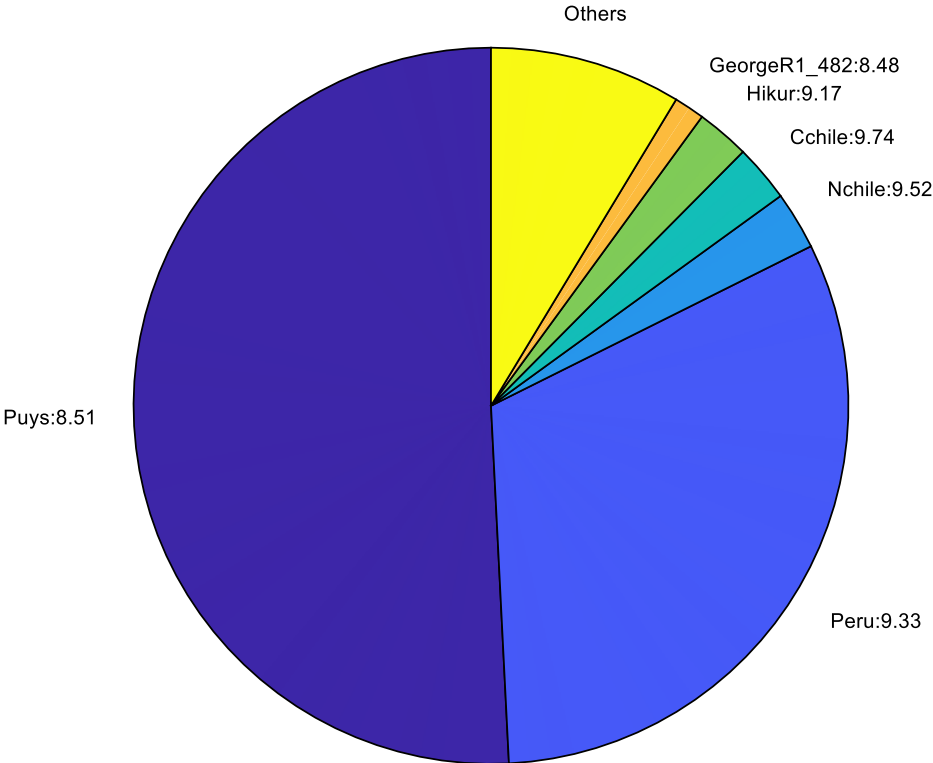
Deaggregation of Section:181, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.88 m



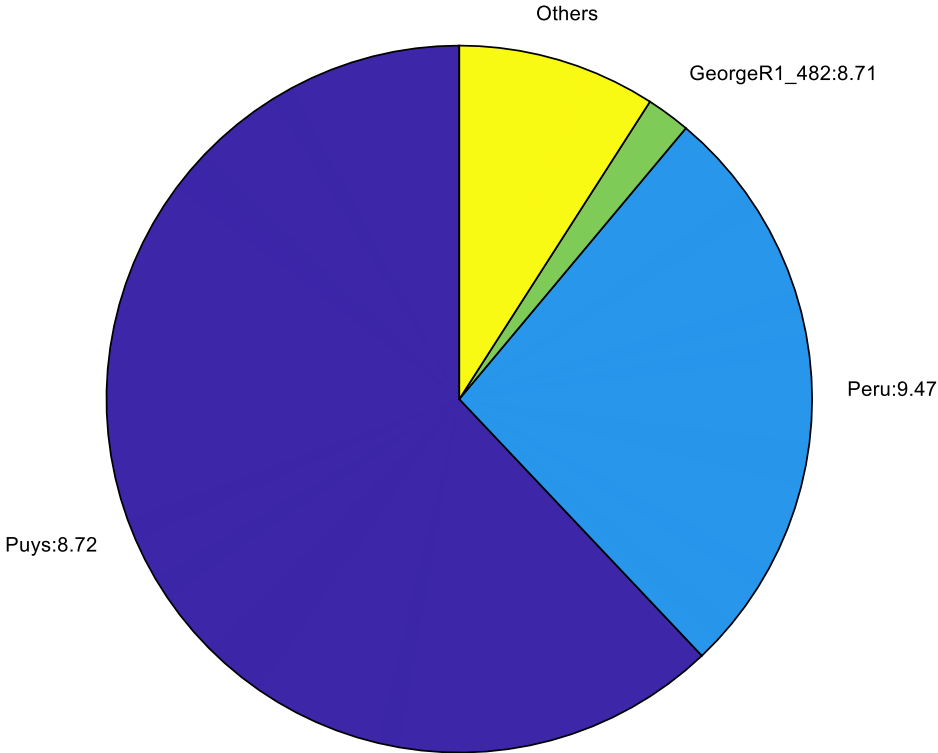
## A1.182 Coastal Section 182: Riverton/Aparima



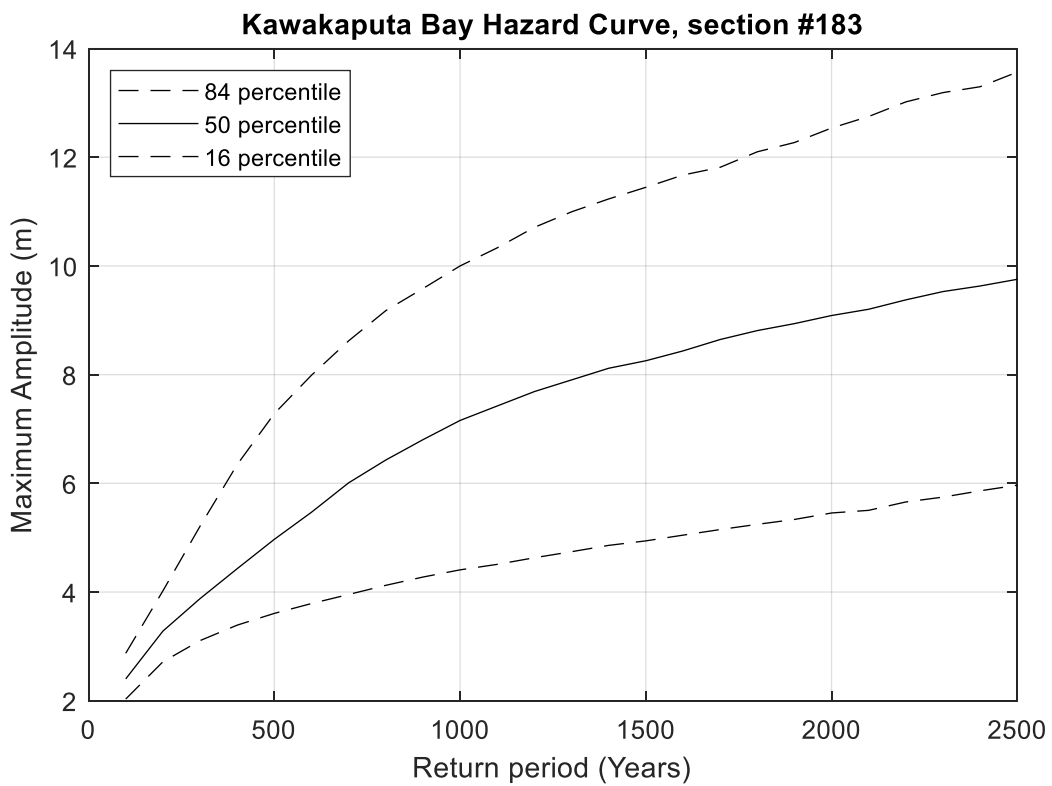
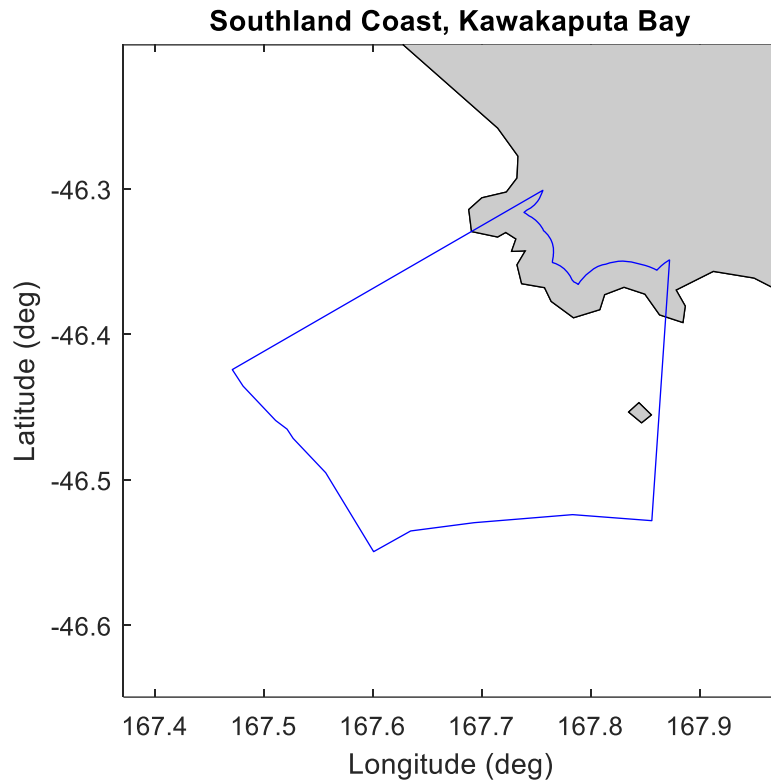
Deaggregation of Section:182, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.17 m



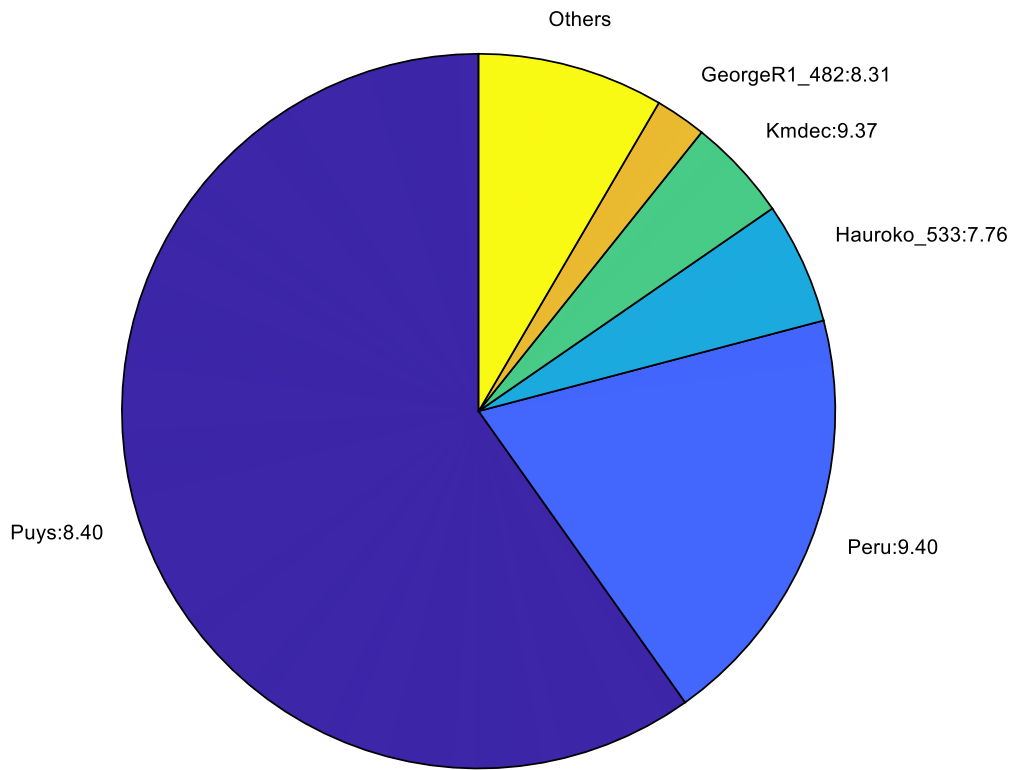
Deaggregation of Section:182, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:9.25 m



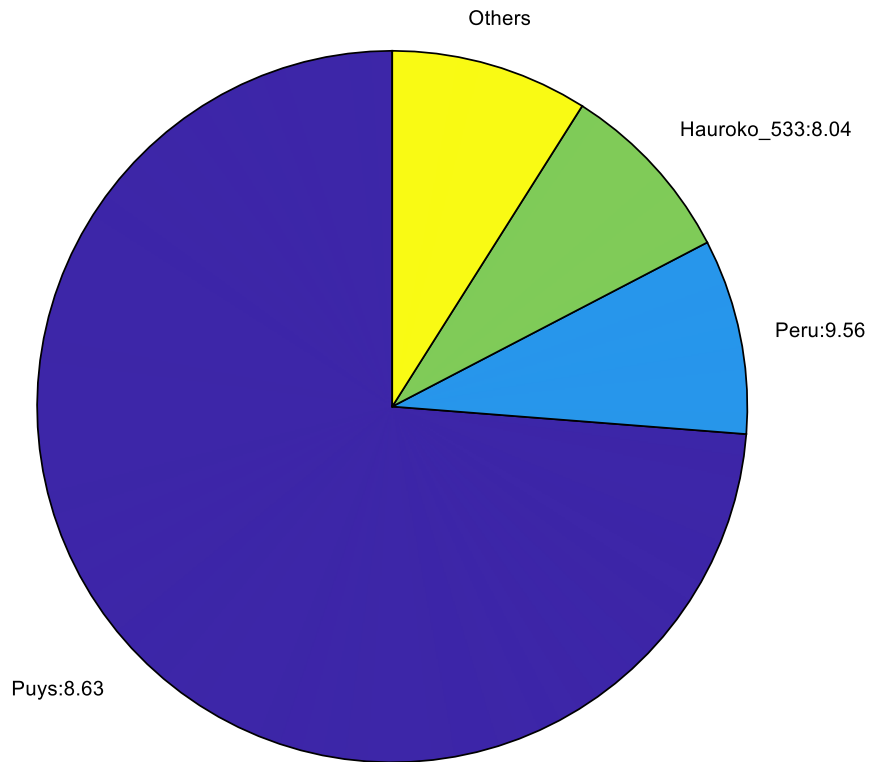
### A1.183 Coastal Section 183: Kawakaputa Bay



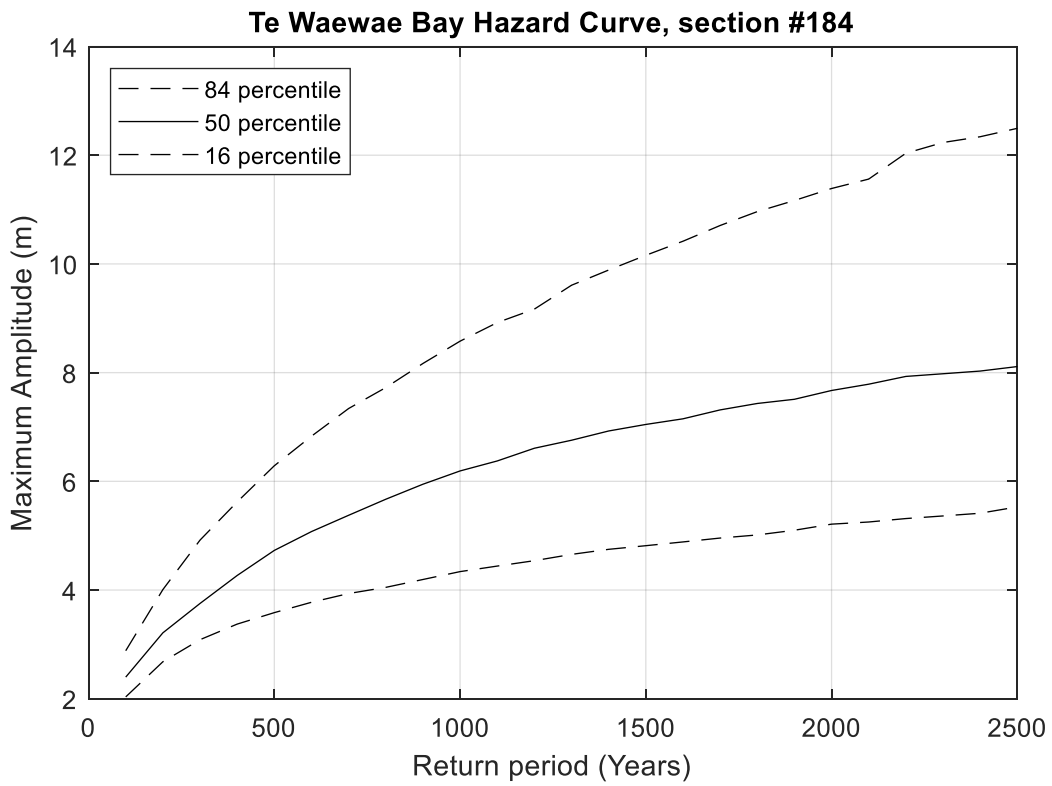
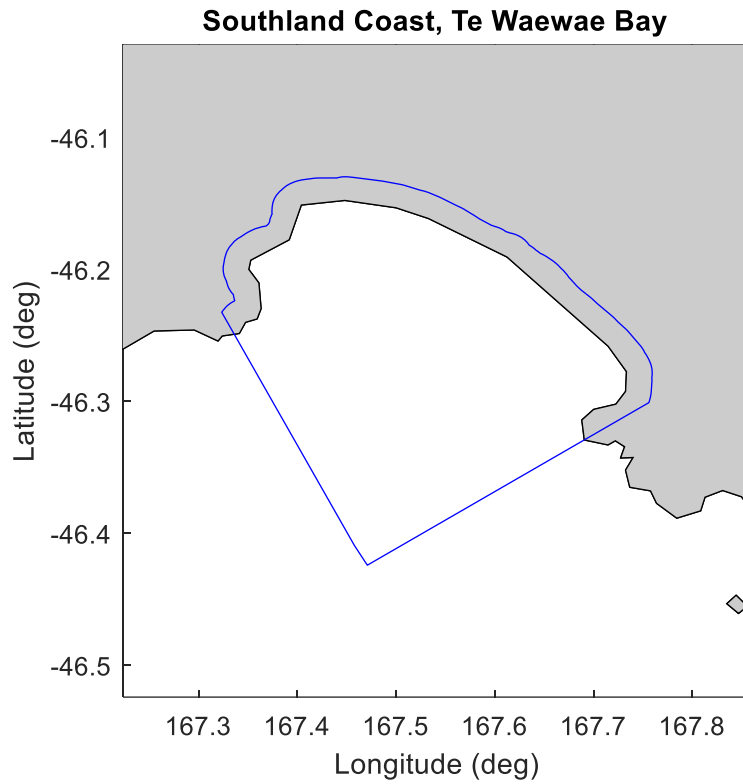
Deaggregation of Section:183, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.97 m



Deaggregation of Section:183, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:9.75 r

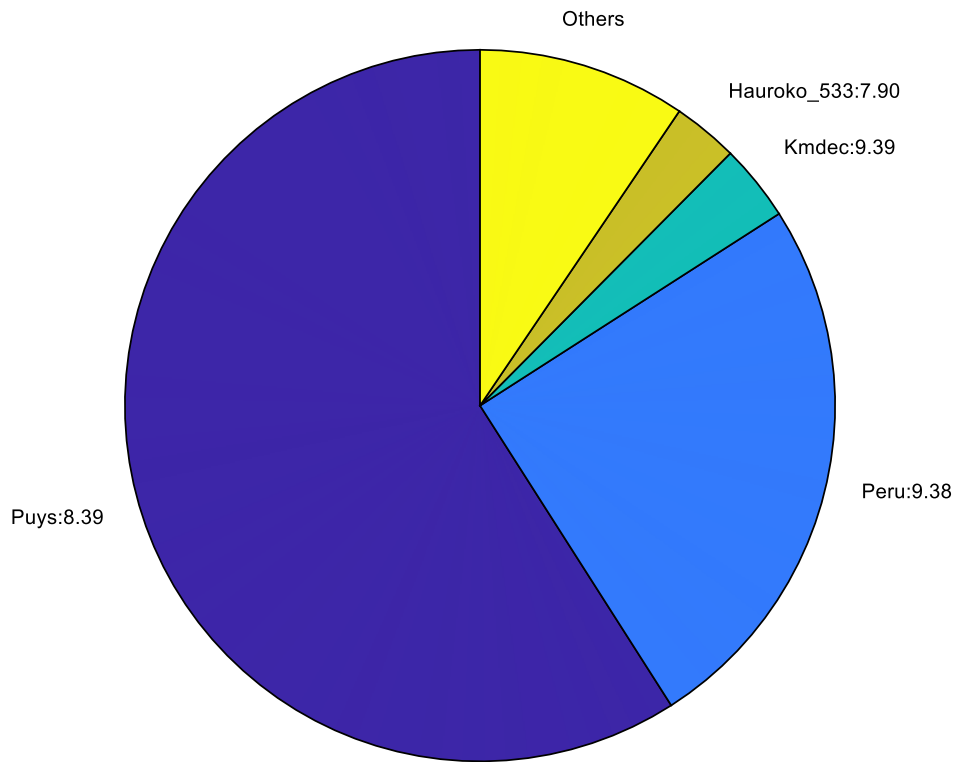


# A1.184 Coastal Section 184: Te Waewae Bay

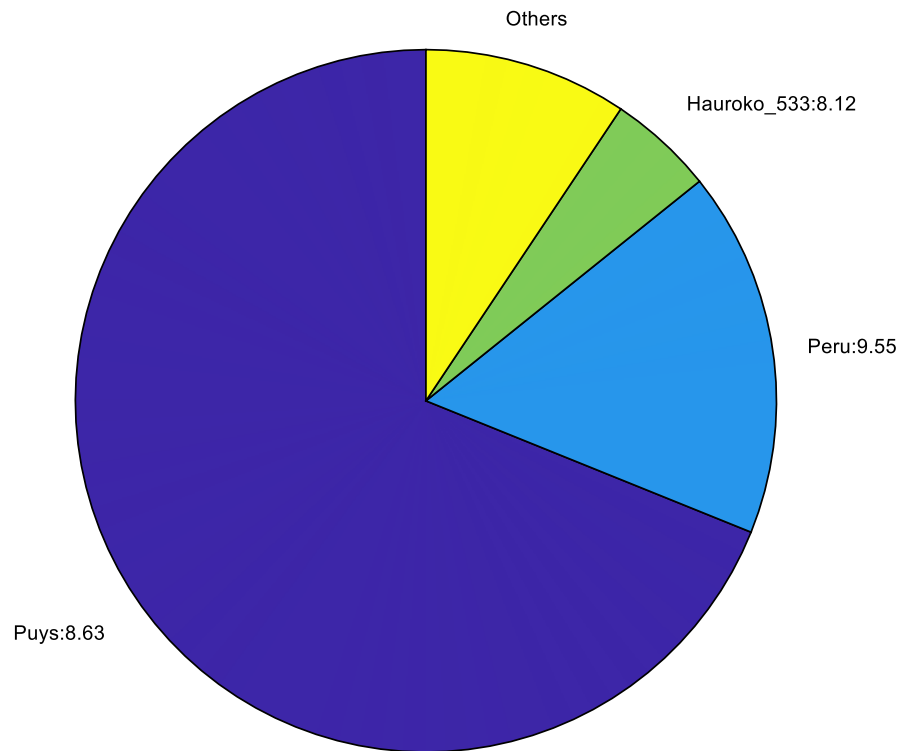




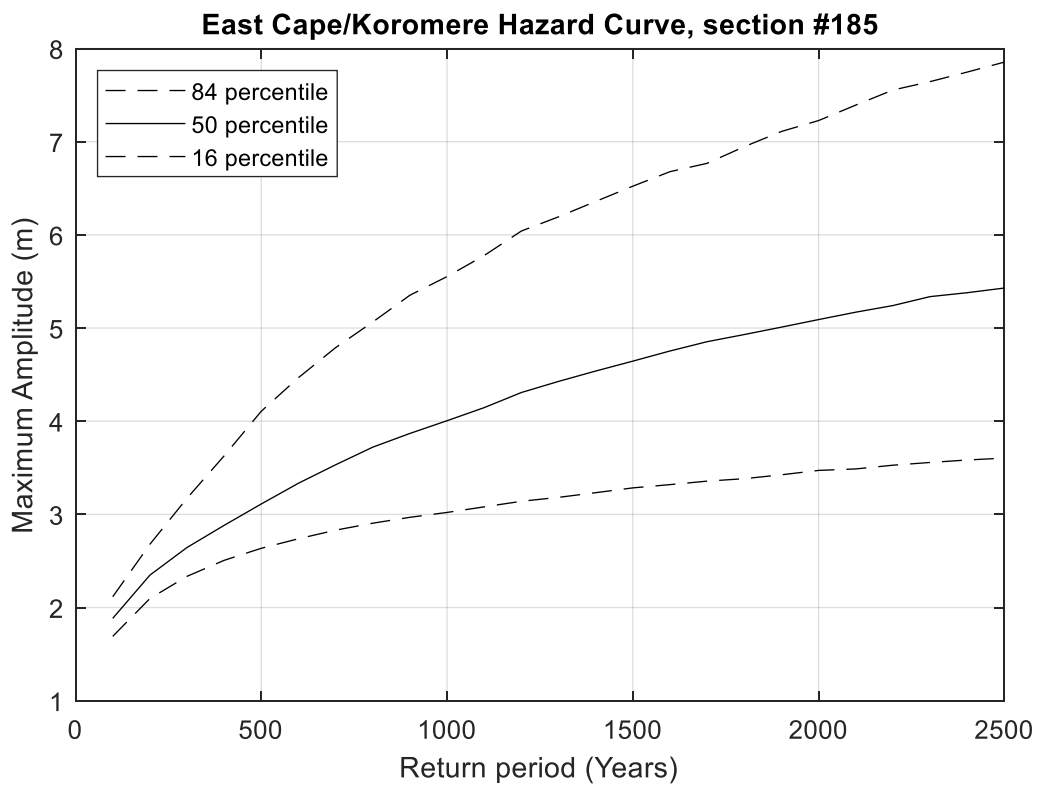
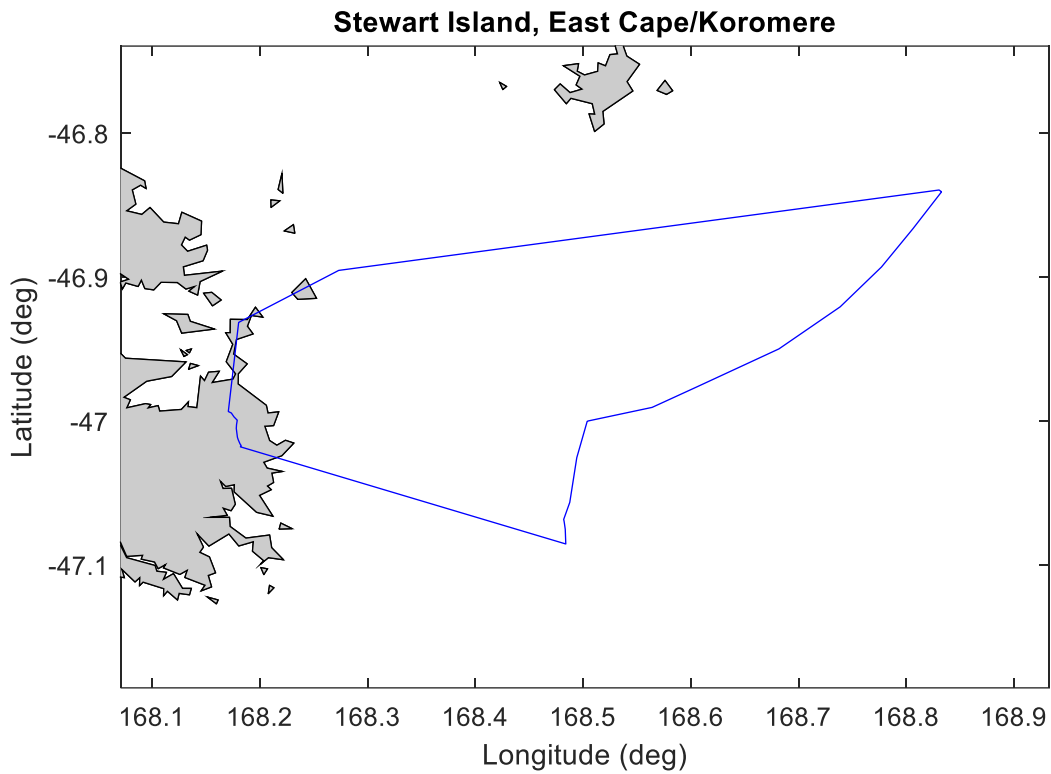
Deaggregation of Section:184, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.72 m



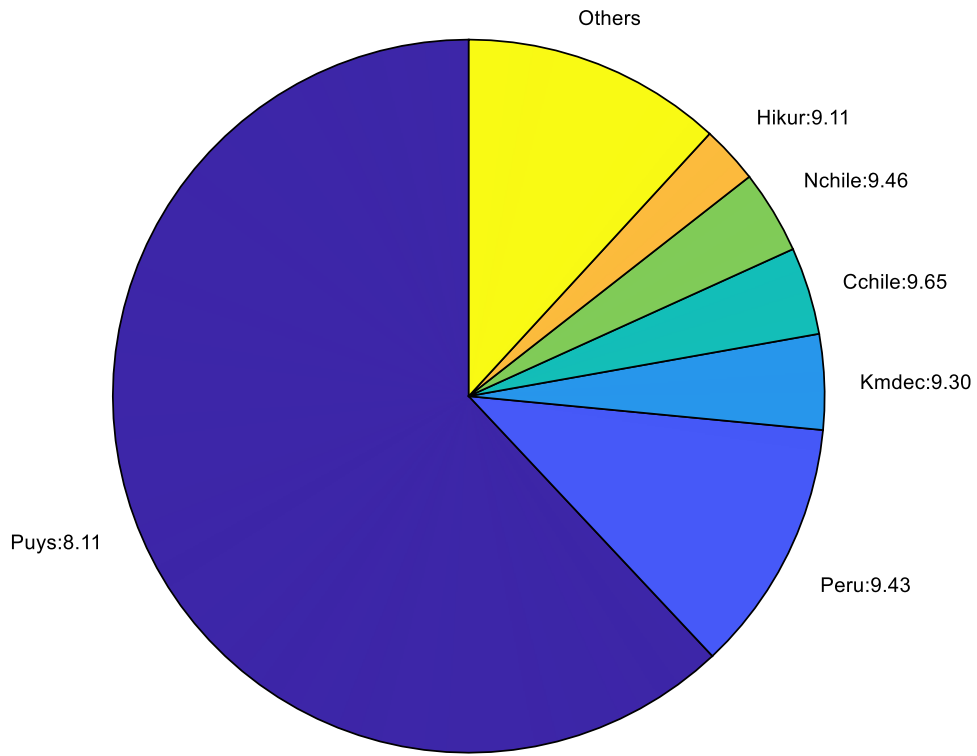
Deaggregation of Section:184, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.11 m



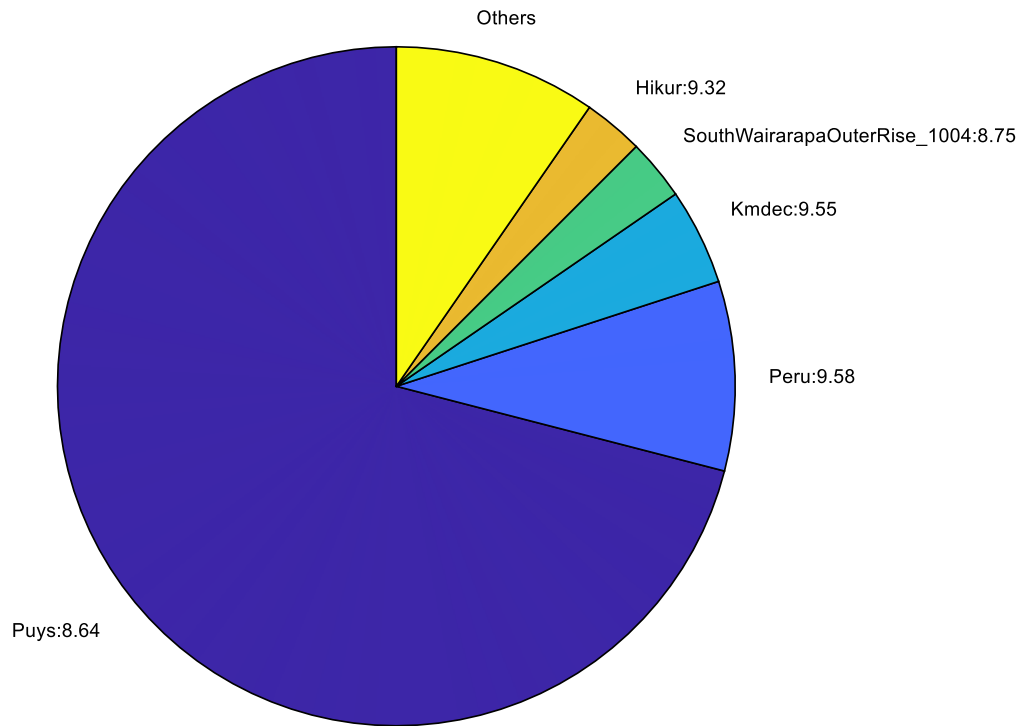
### A1.185 Coastal Section 185: East Cape / Koromere



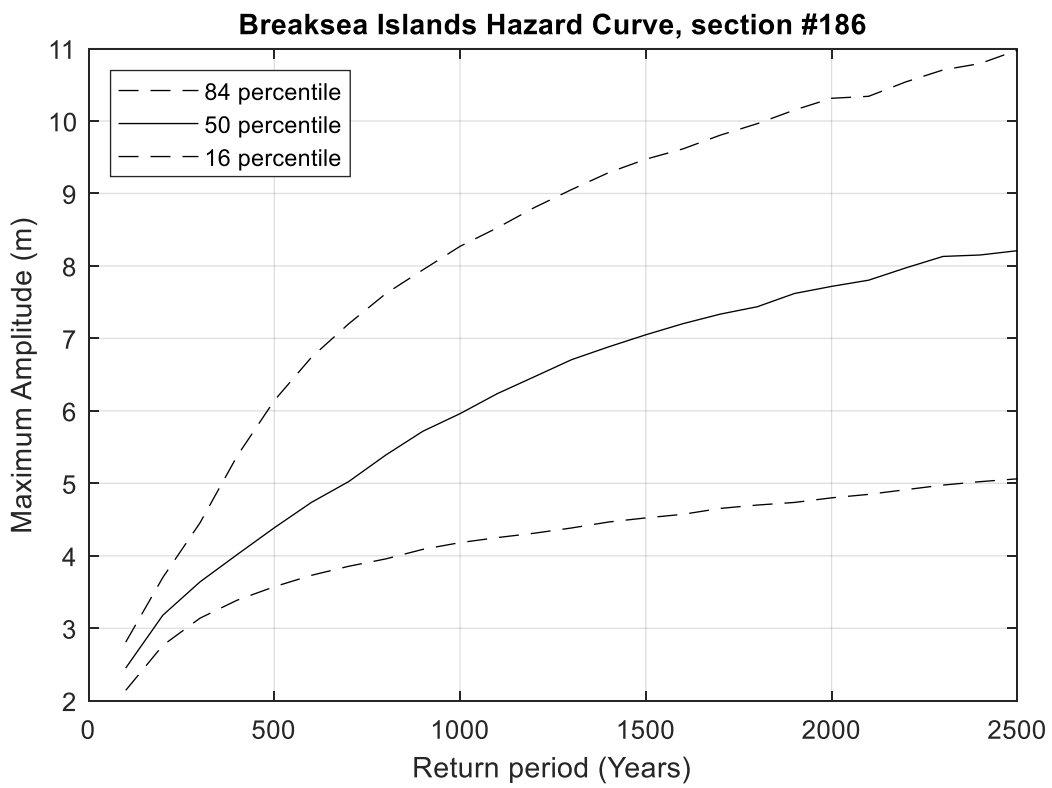
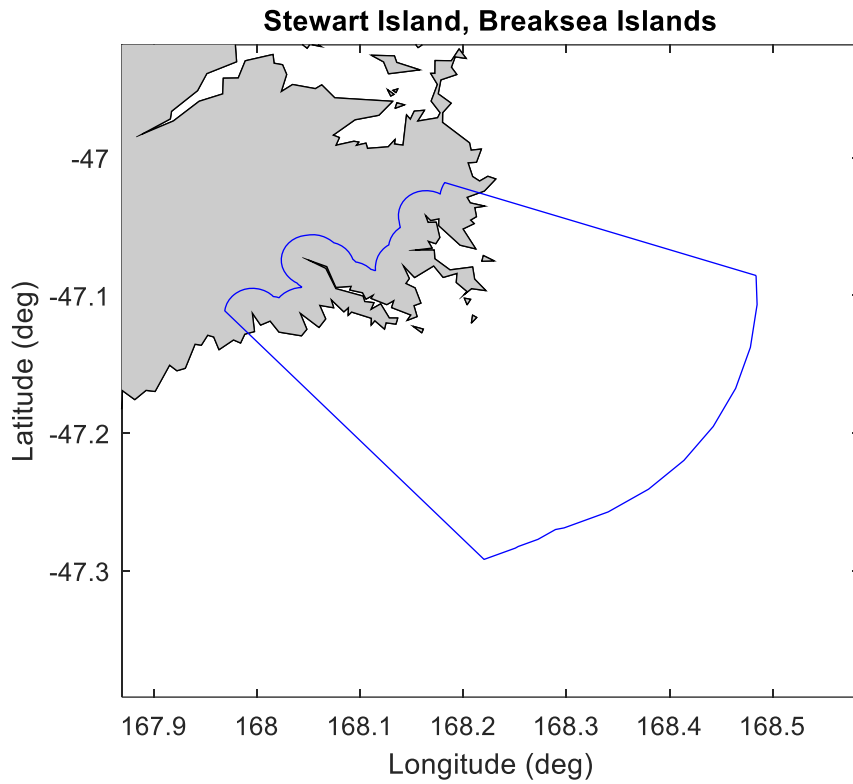
Deaggregation of Section:185, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.11 m



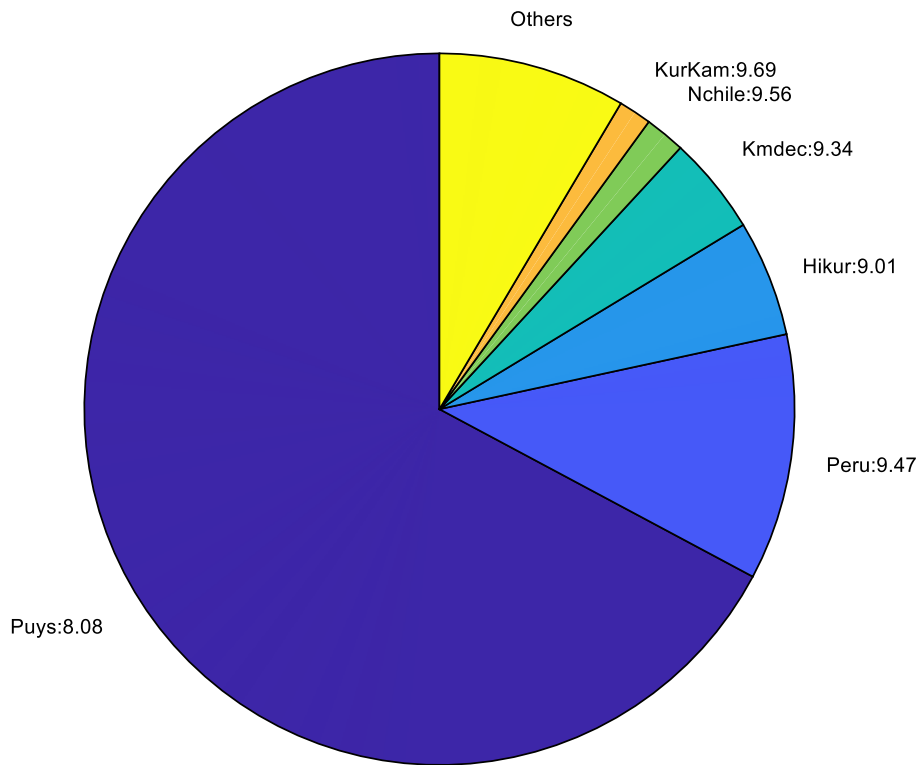
Deaggregation of Section:185, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.43 m



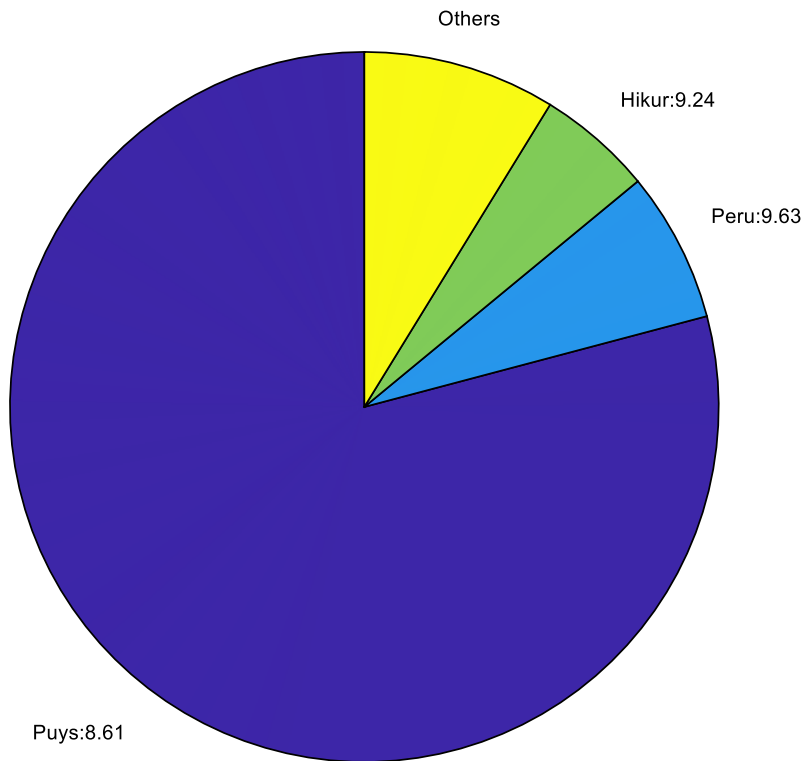
**A1.186 Coastal Section 186: Breaksea Islands**



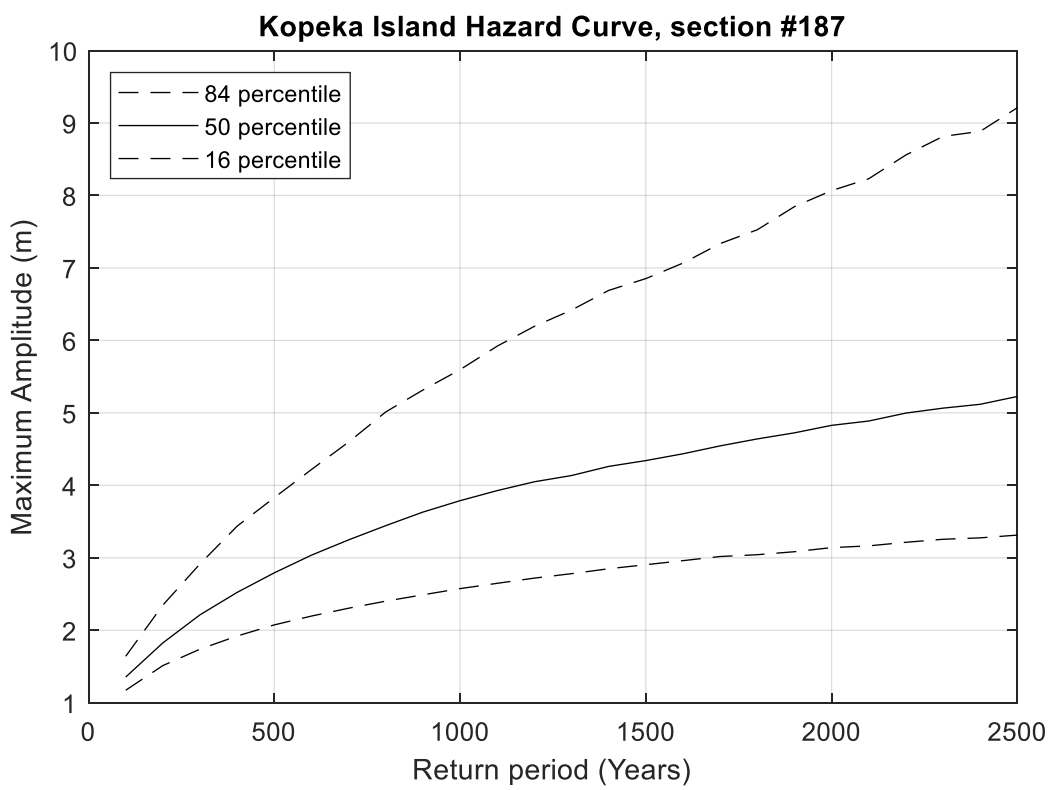
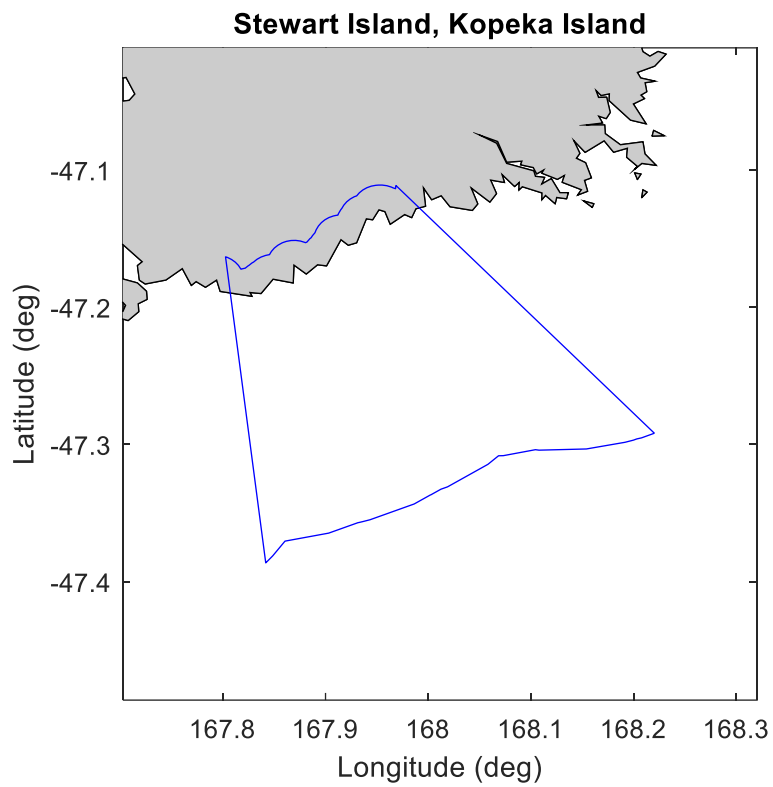
Deaggregation of Section:186, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.39 m



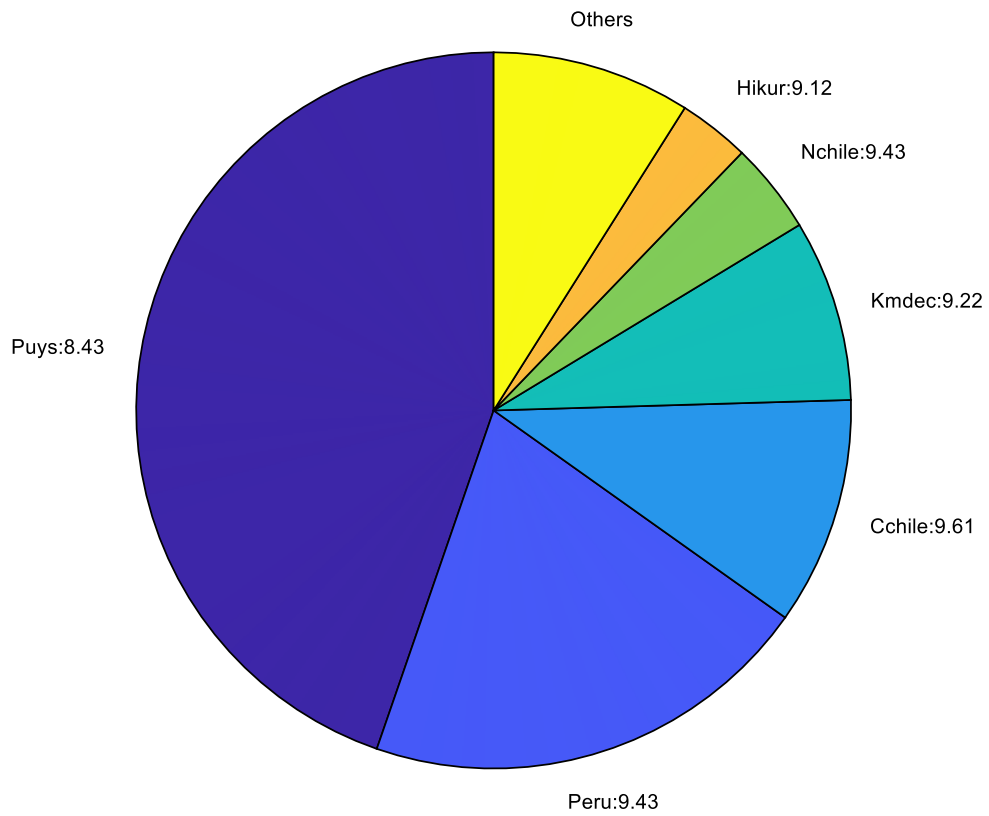
Deaggregation of Section:186, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.20 m



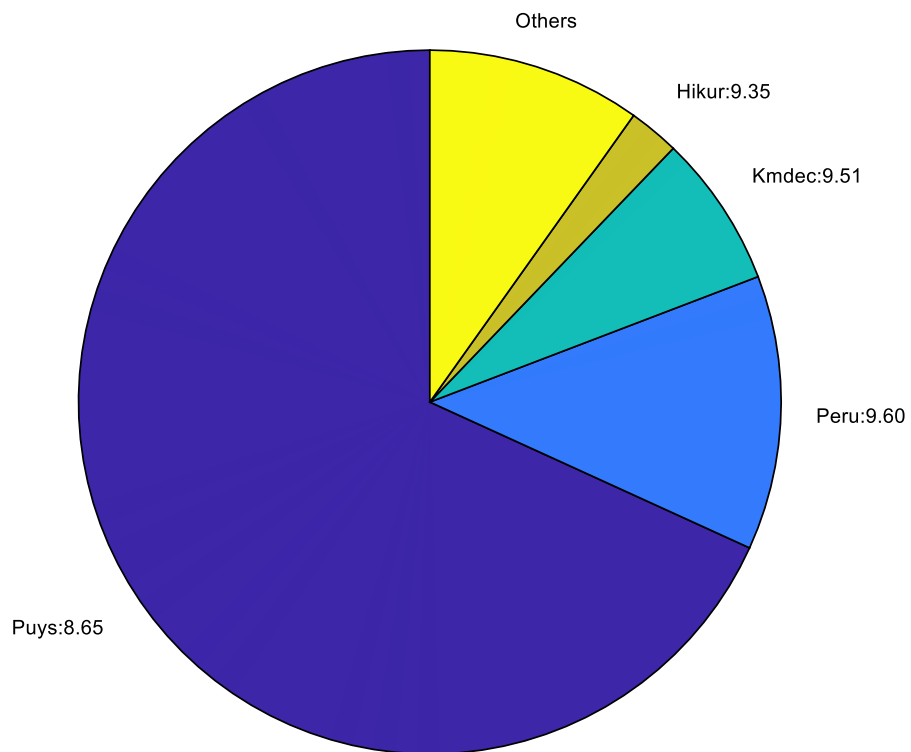
# A1.187 Coastal Section 187: Kopeka Island



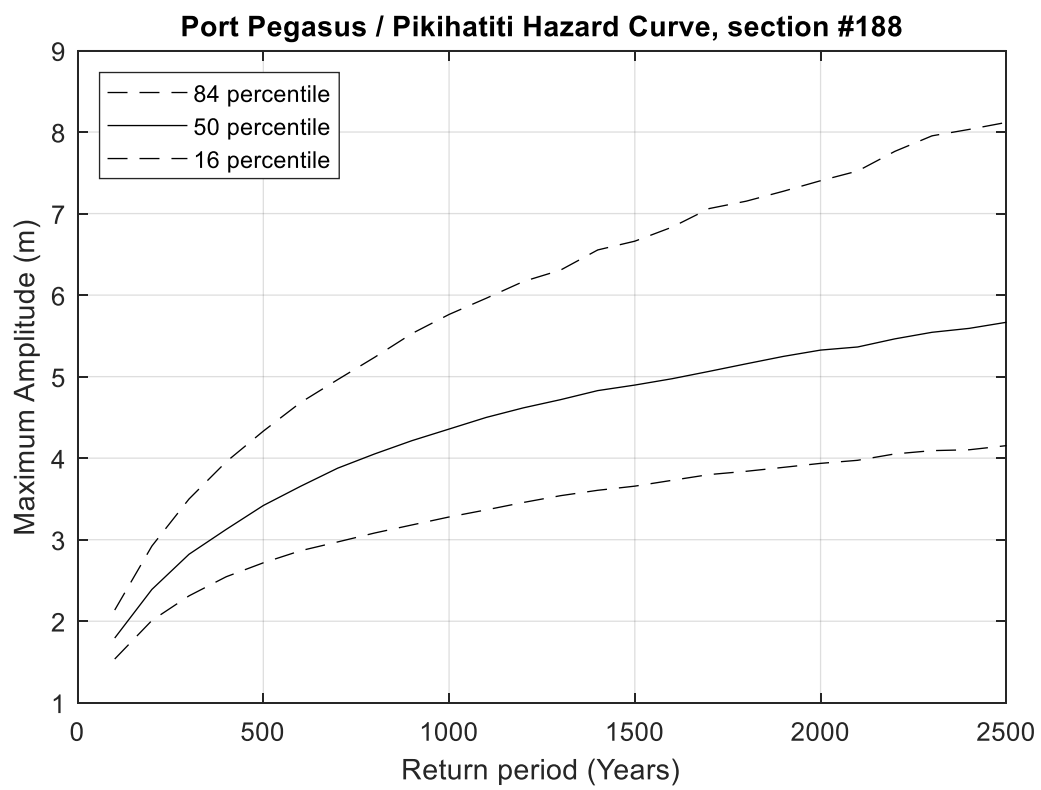
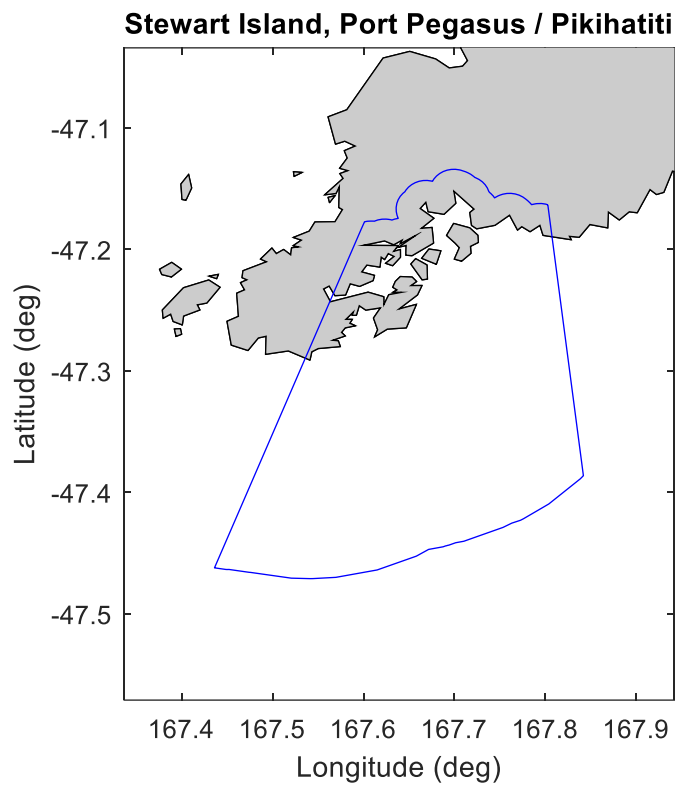
Deaggregation of Section:187, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.79 m



Deaggregation of Section:187, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.22 m

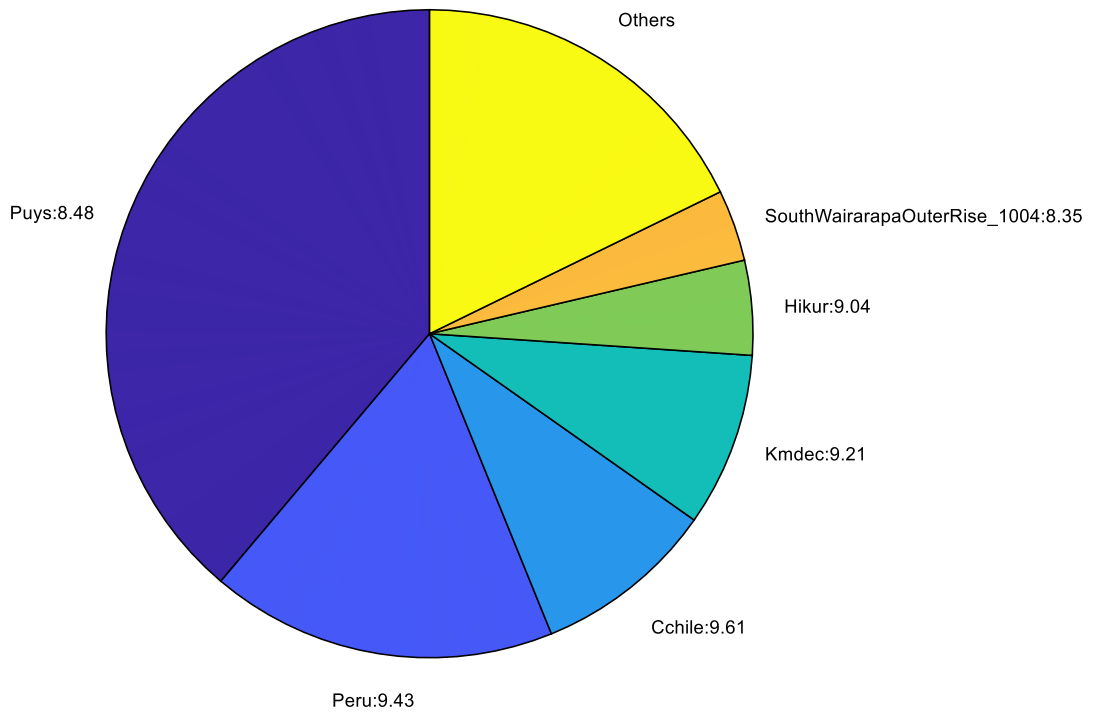


# A1.188 Coastal Section 188: Port Pegasus / Pikihatiti

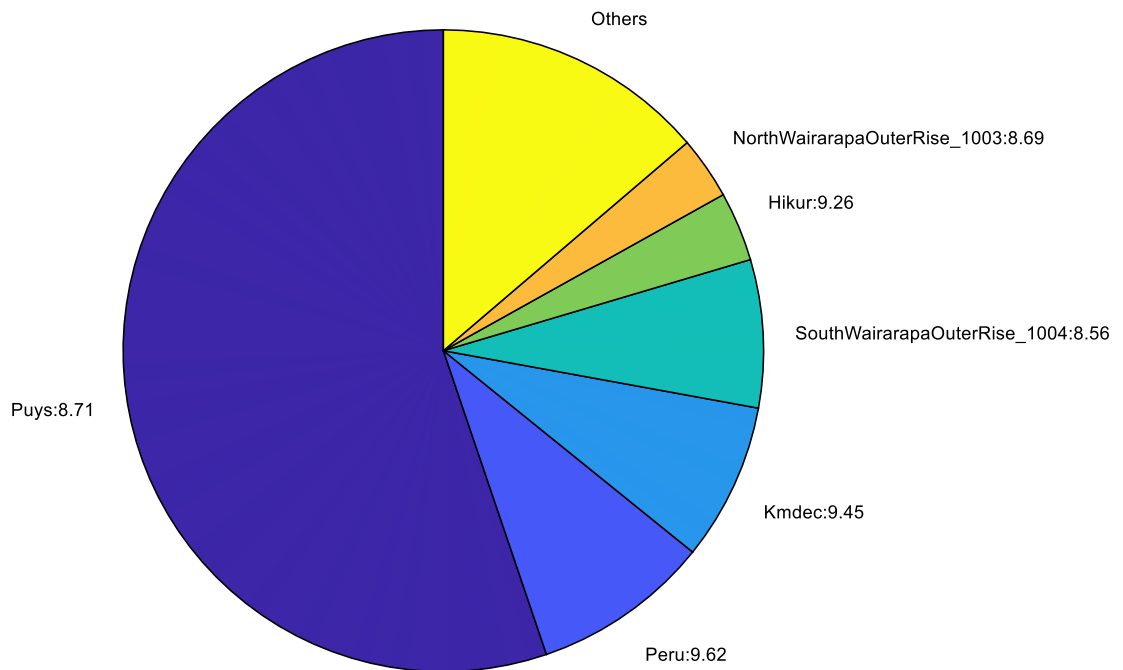




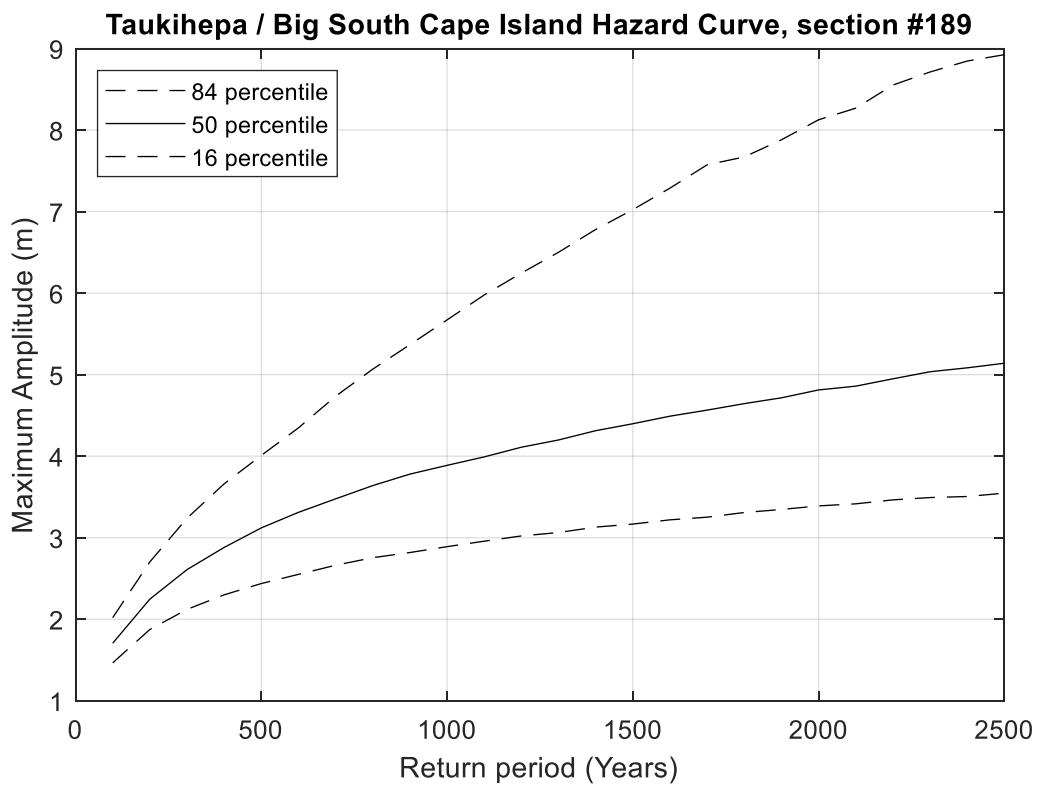
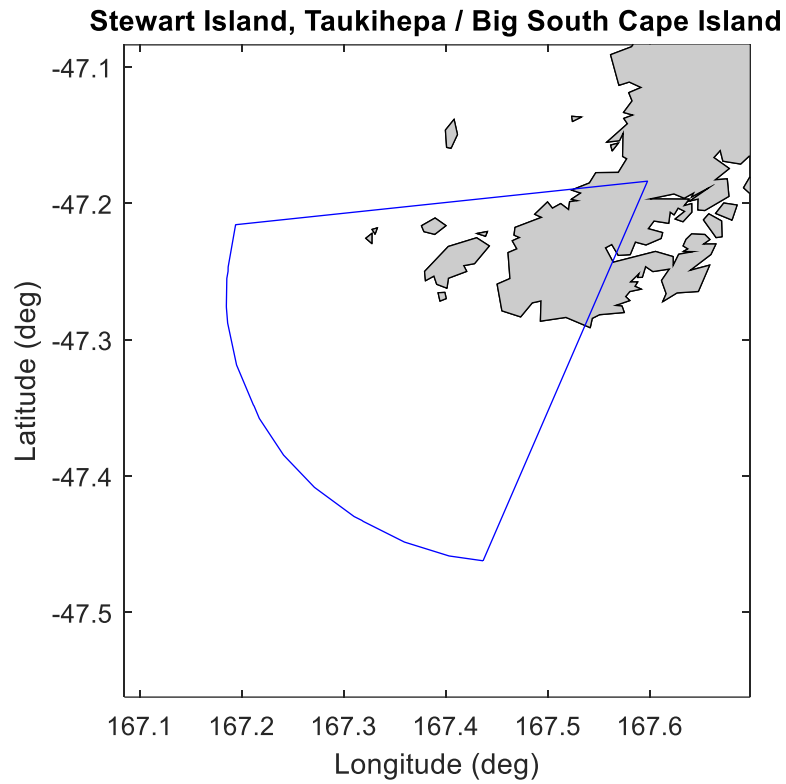
Deaggregation of Section:188, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.41 m



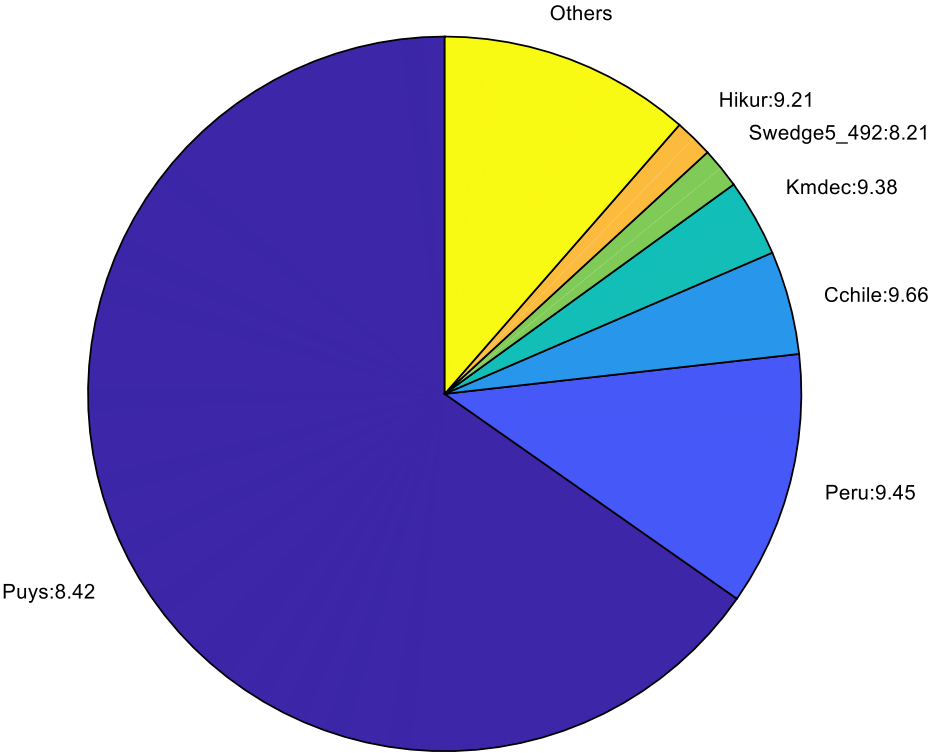
Deaggregation of Section:188, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.65 m



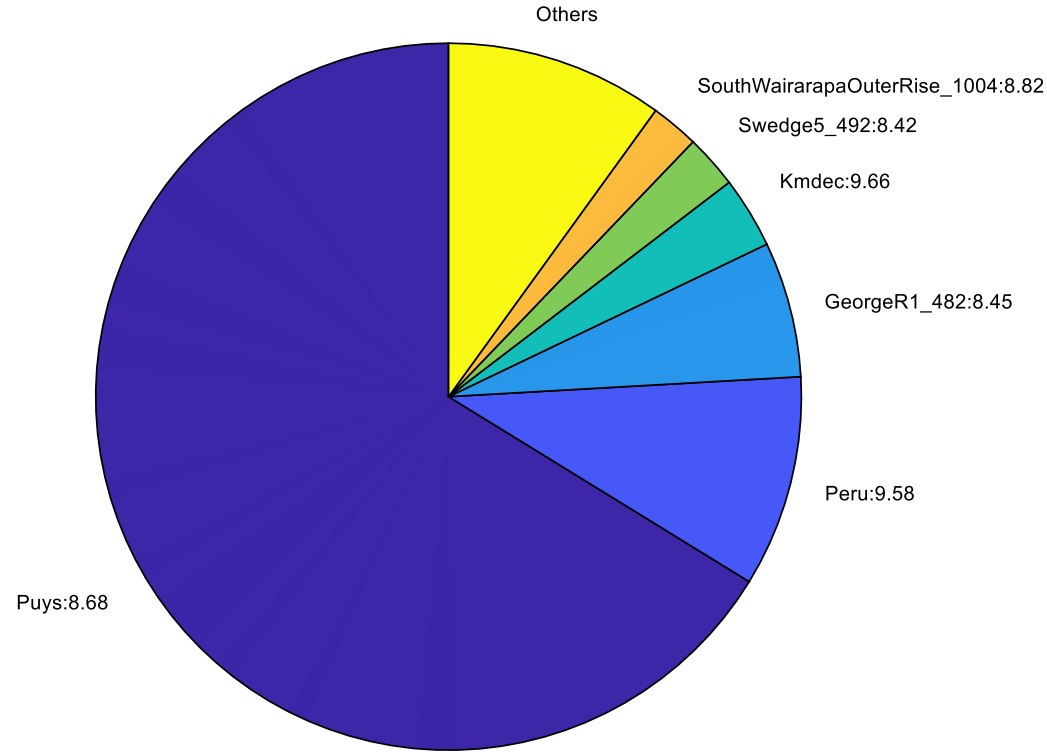
**A1.189 Coastal Section 189: Taukihepa / Big South Cape Island**



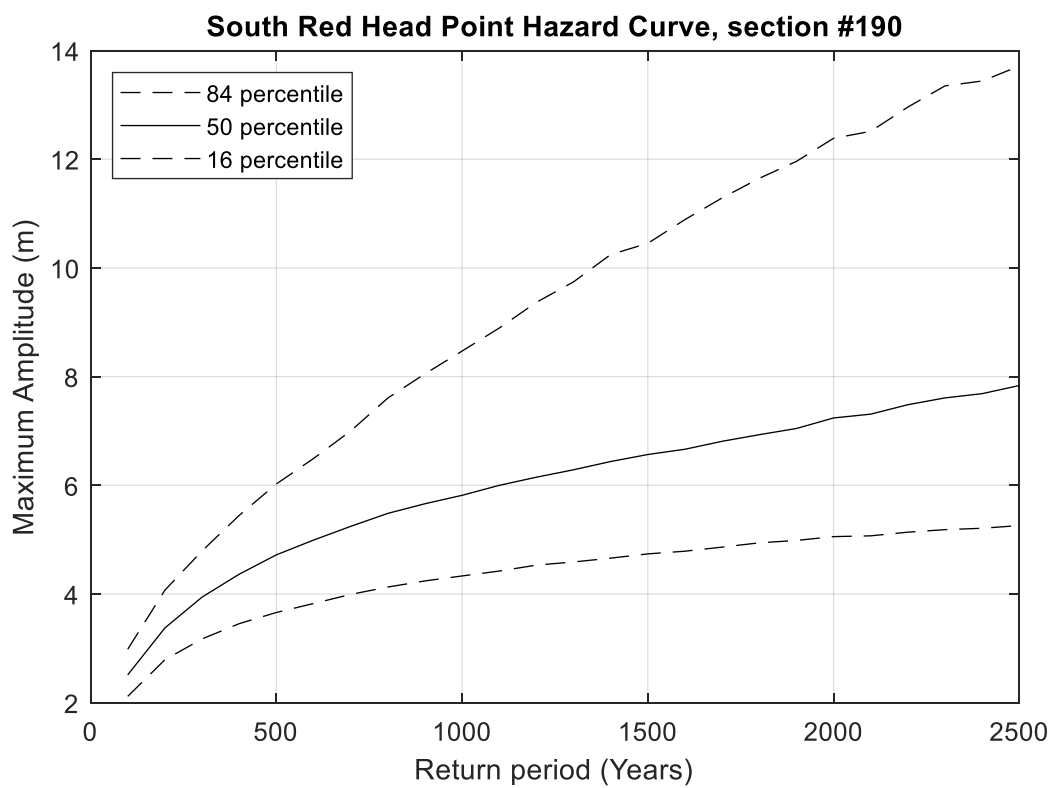
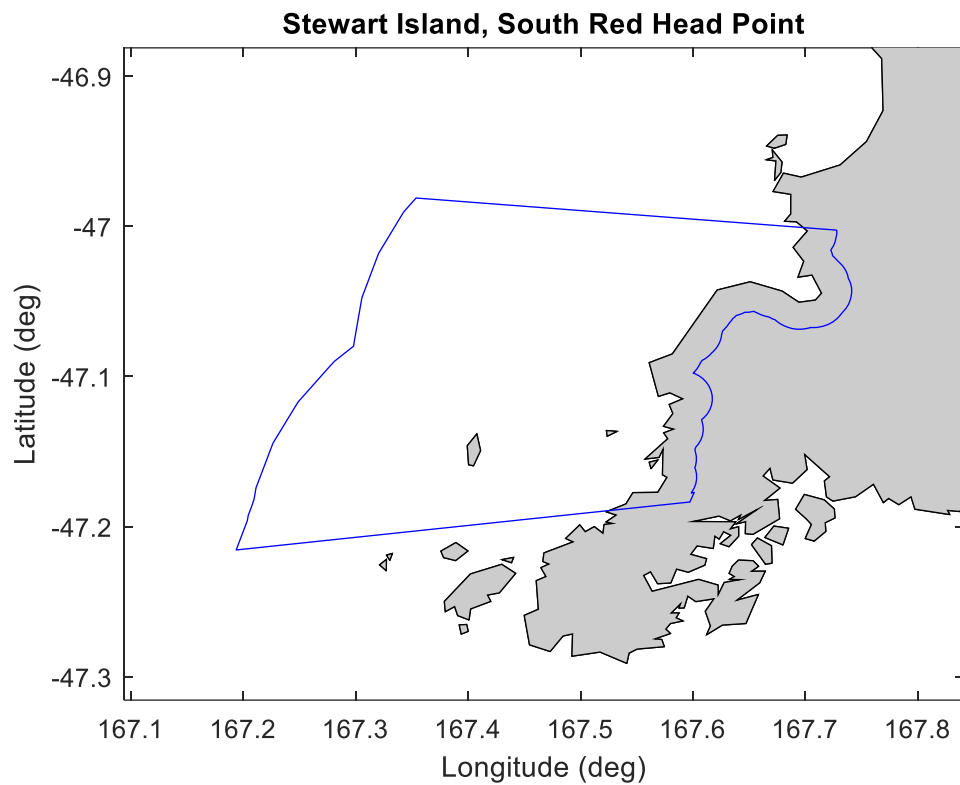
Deaggregation of Section:189, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.12 m



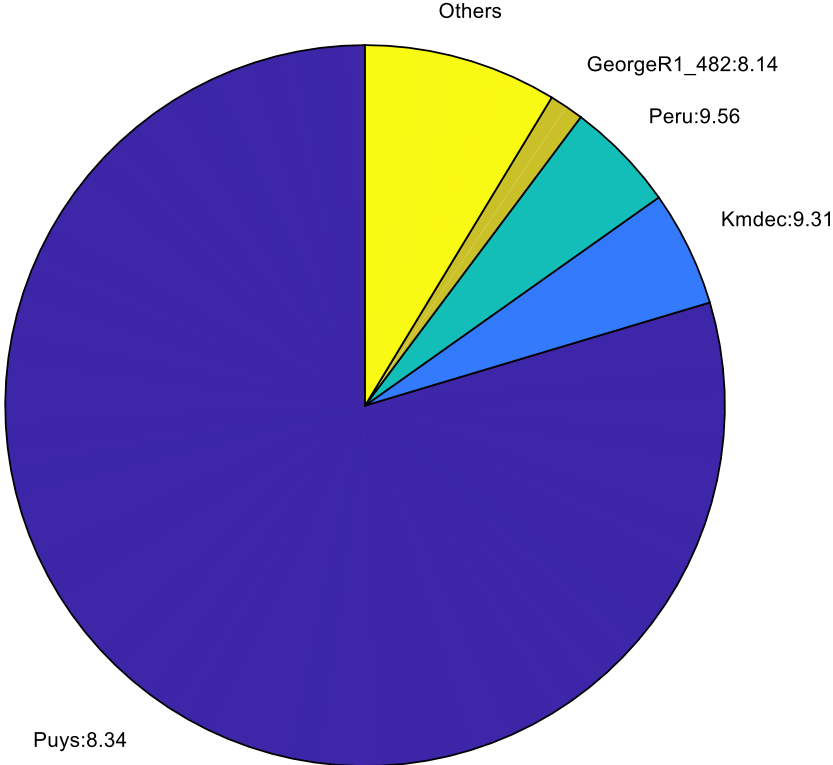
Deaggregation of Section:189, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.13 m



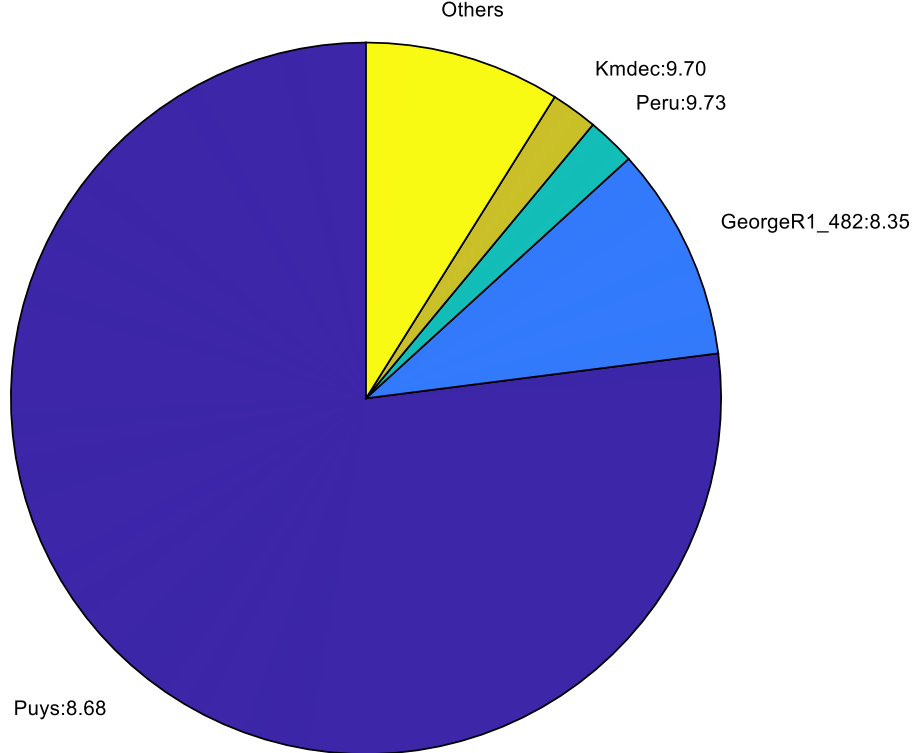
## A1.190 Coastal Section 190: South Red Head Point



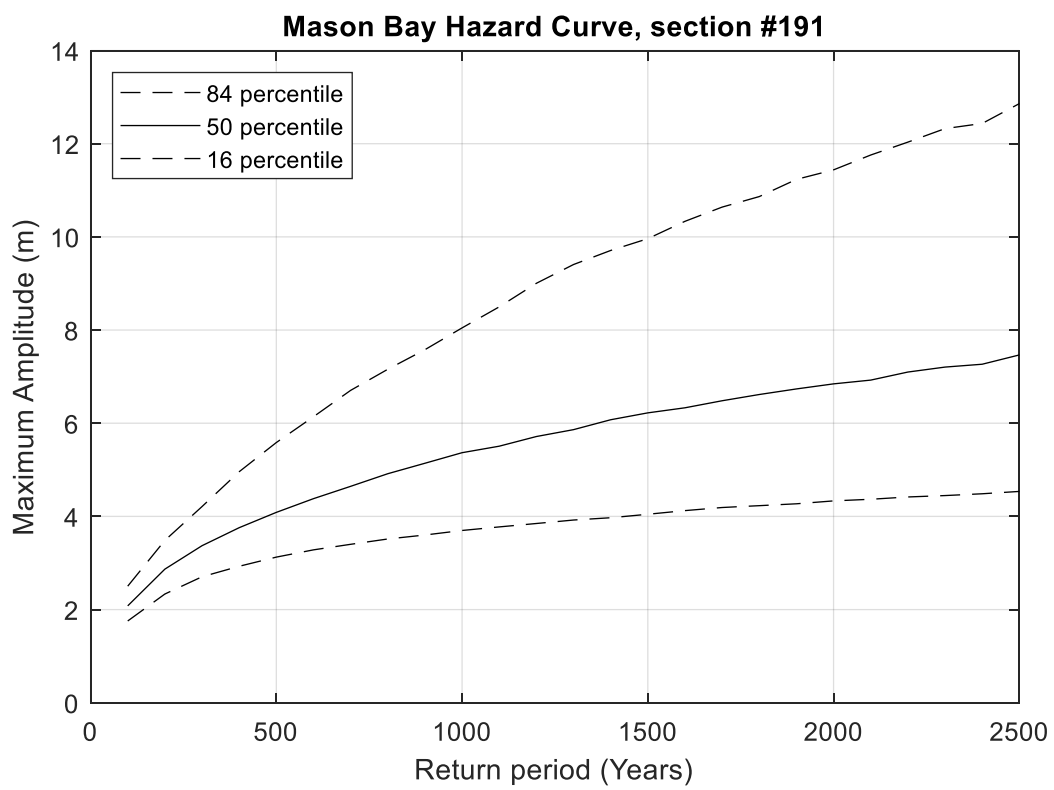
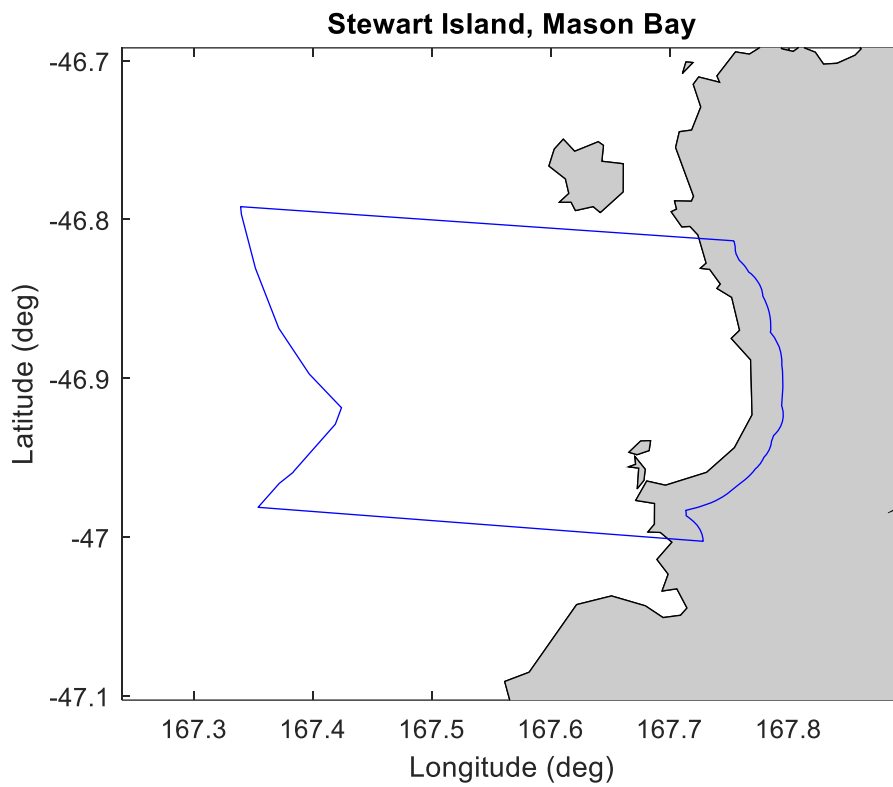
Deaggregation of Section:190, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.72 m



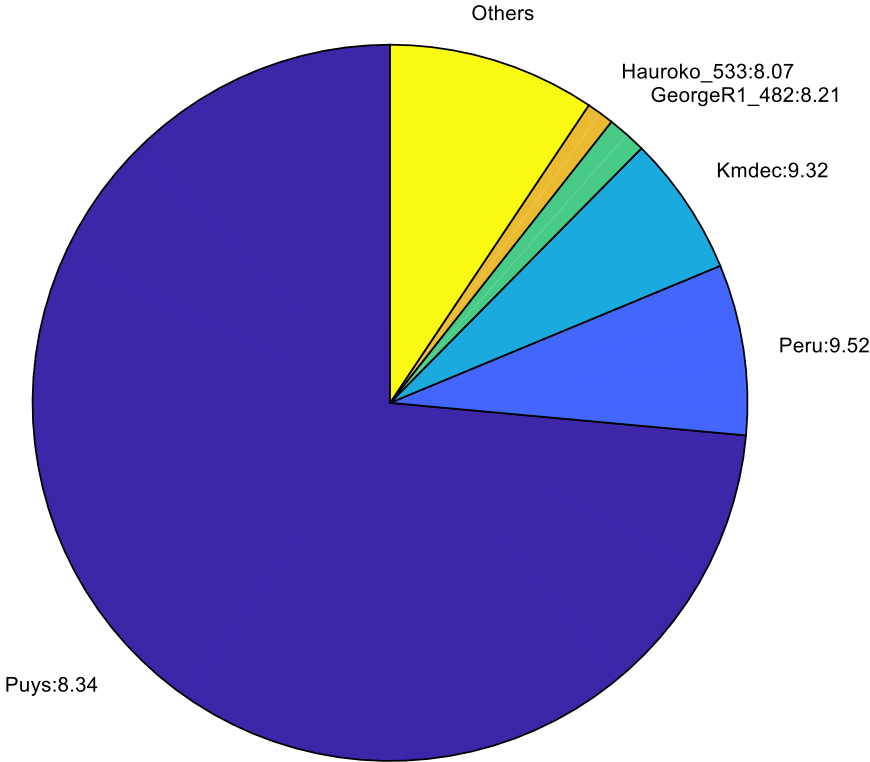
Deaggregation of Section:190, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.83 m



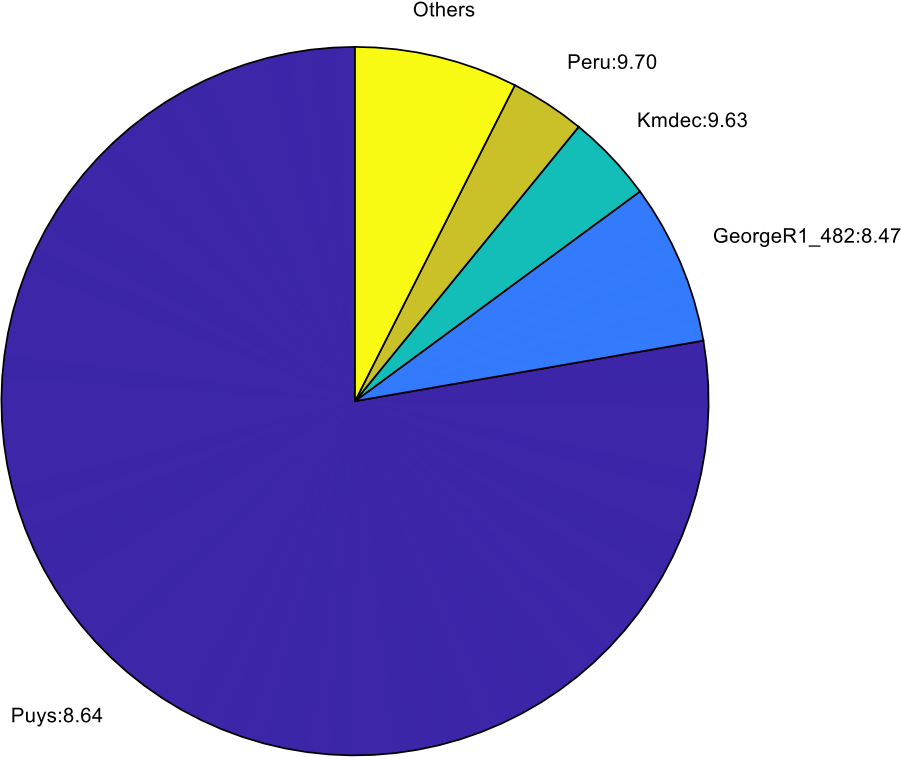
# A1.191 Coastal Section 191: Mason Bay



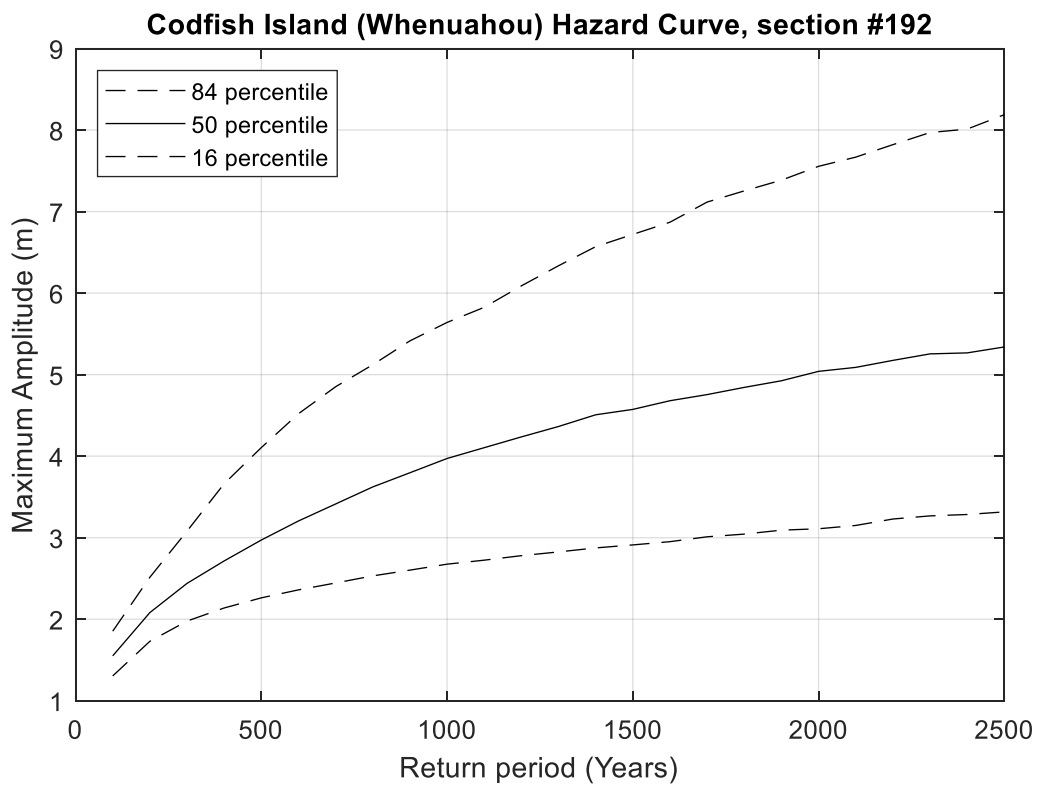
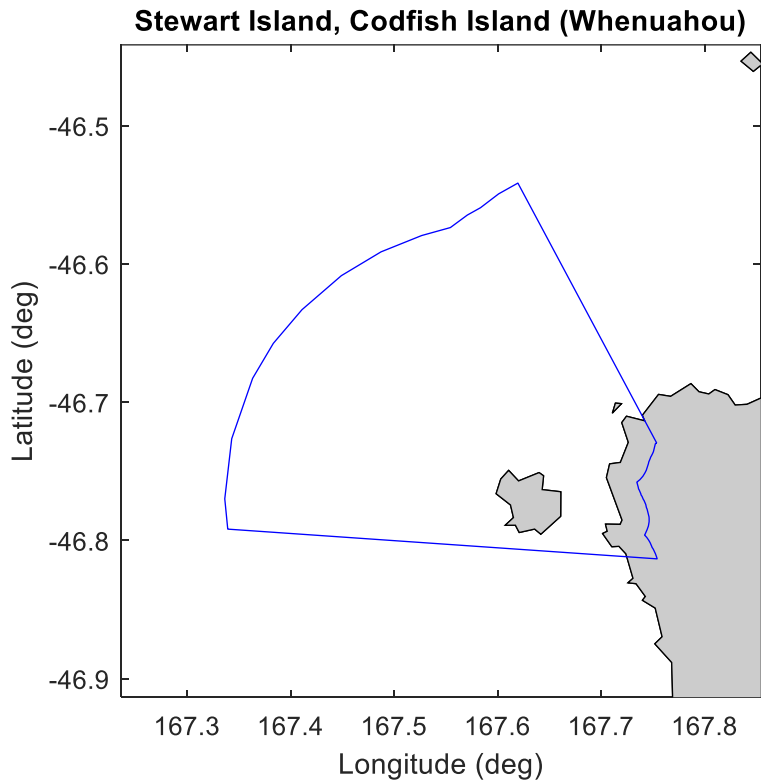
Deaggregation of Section:191, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.09 m



Deaggregation of Section:191, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.46 m

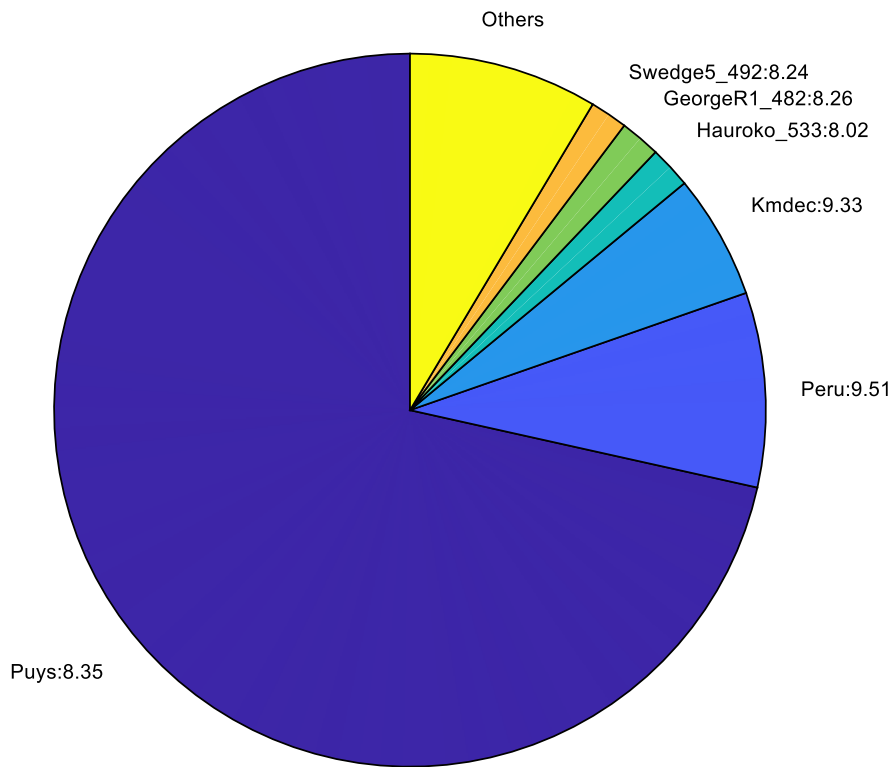


### A1.192 Coastal Section 192: Codfish Island (Whenuahou)

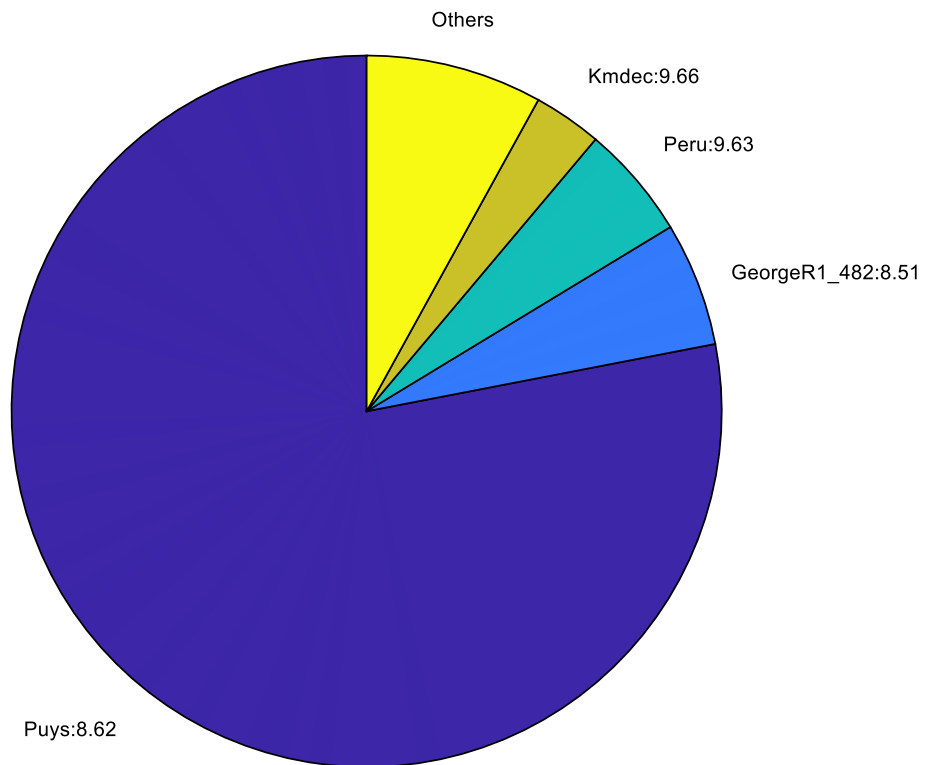




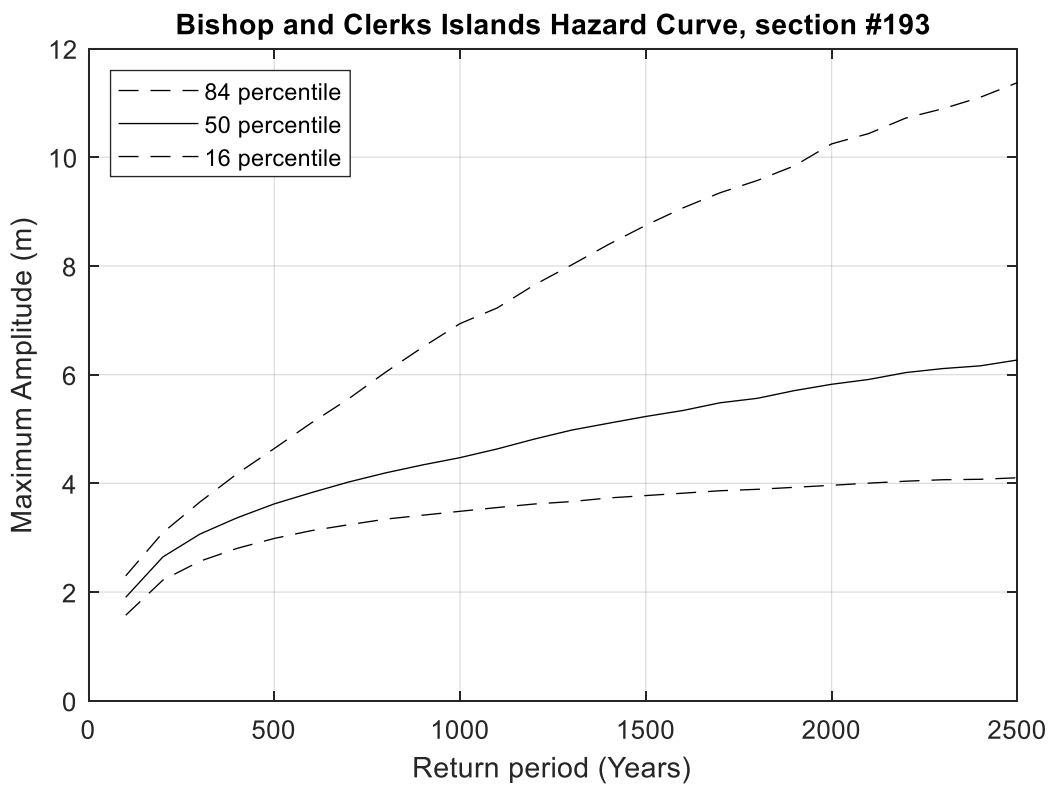
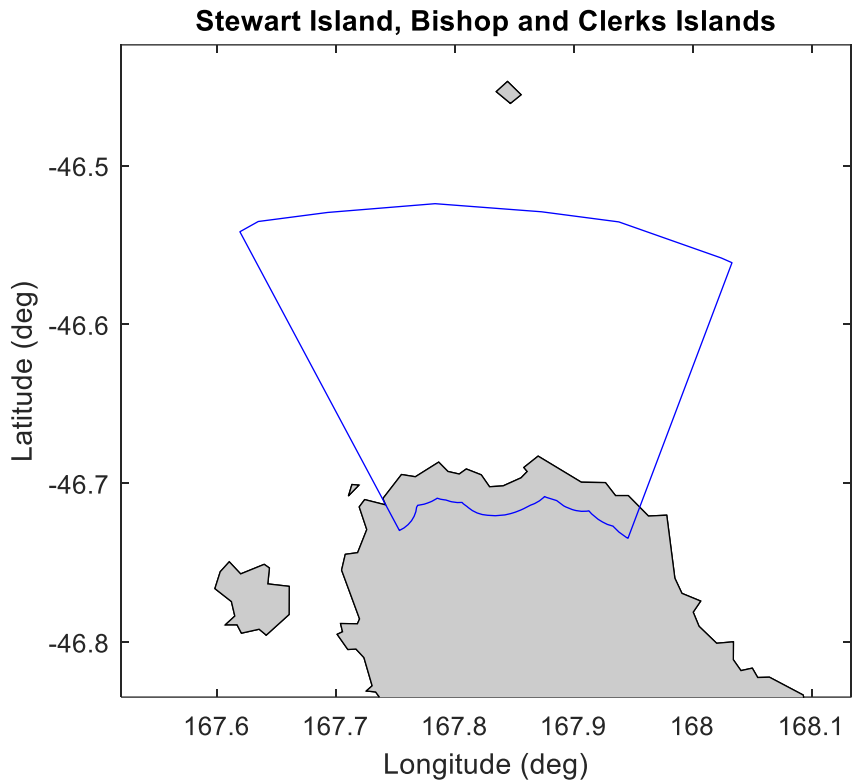
Deaggregation of Section:192, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.97 m



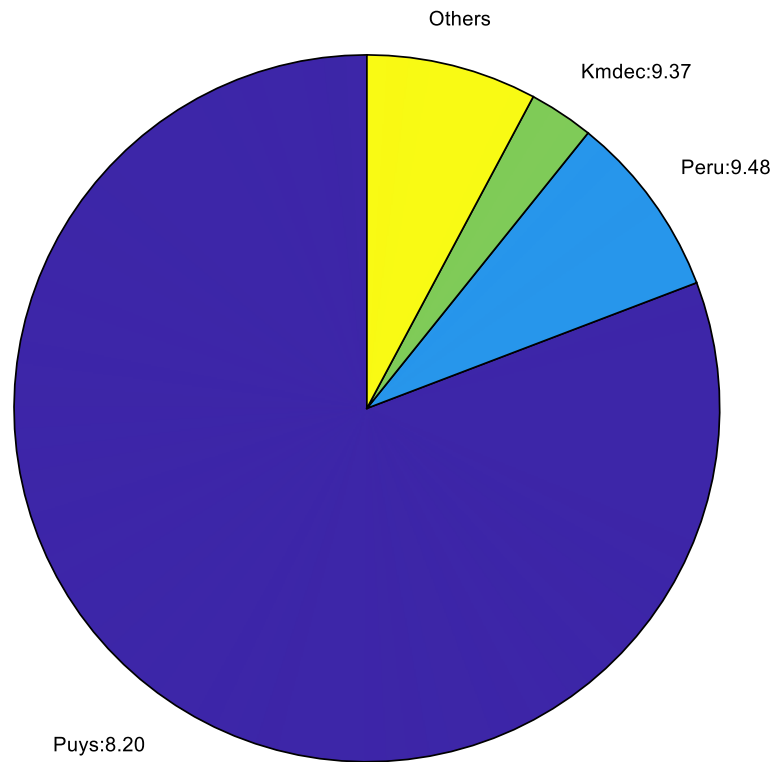
Deaggregation of Section:192, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.34 m



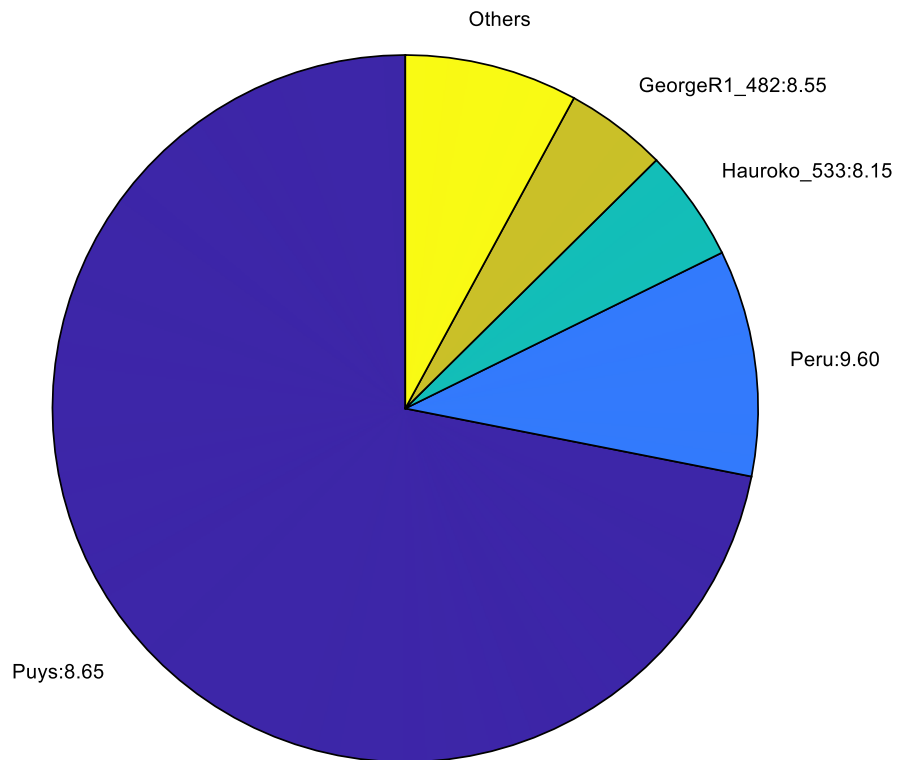
# A1.193 Coastal Section 193: Bishop and Clerks Islands



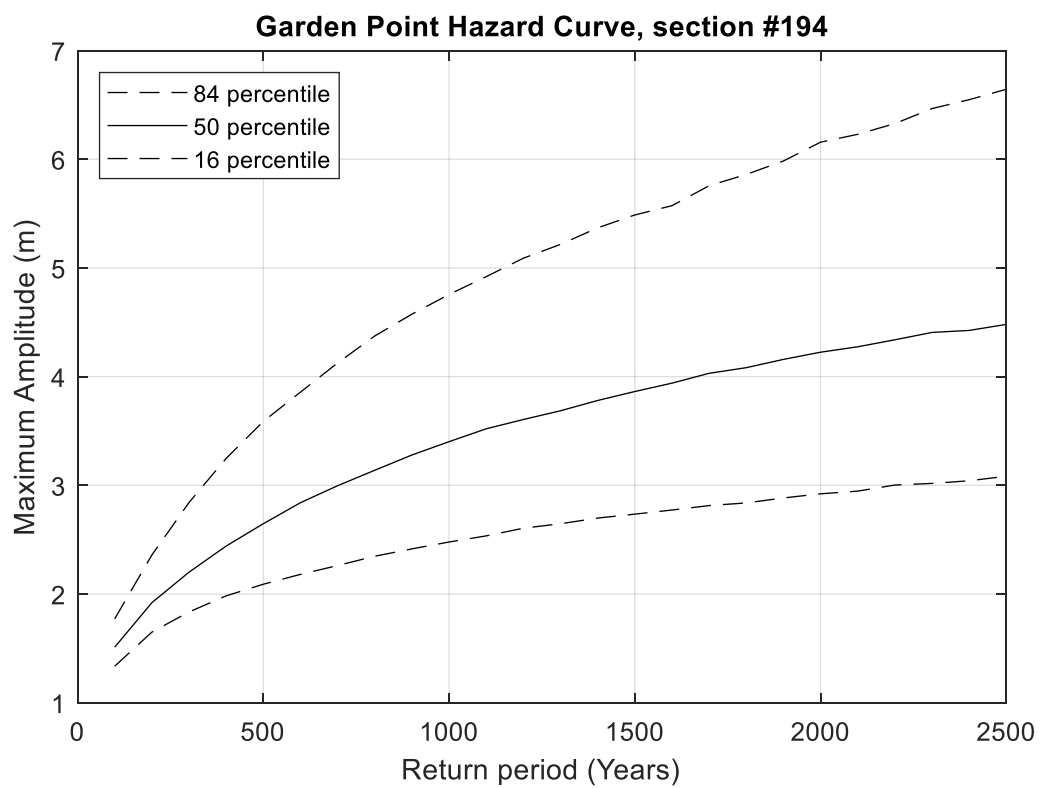
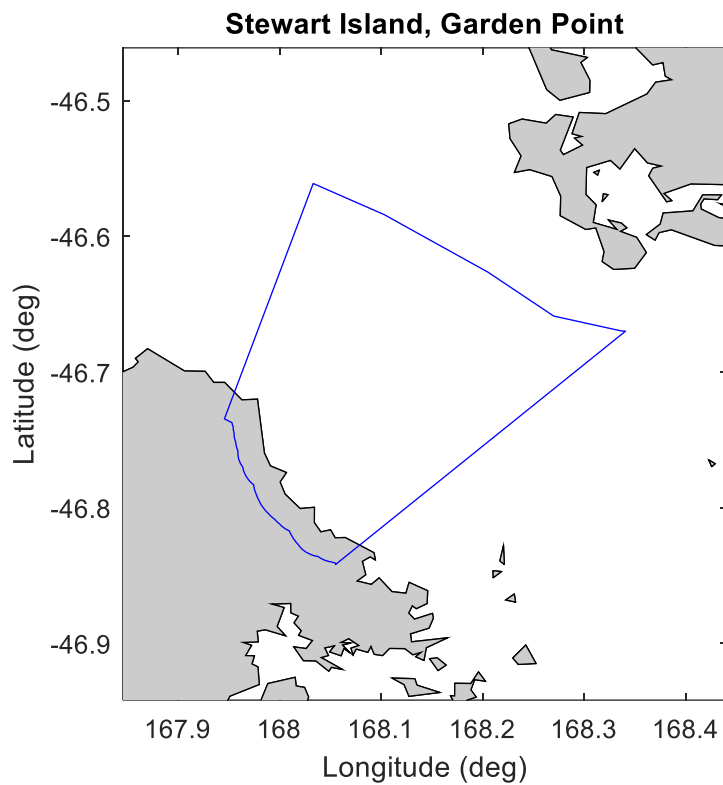
Deaggregation of Section:193, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.62 m



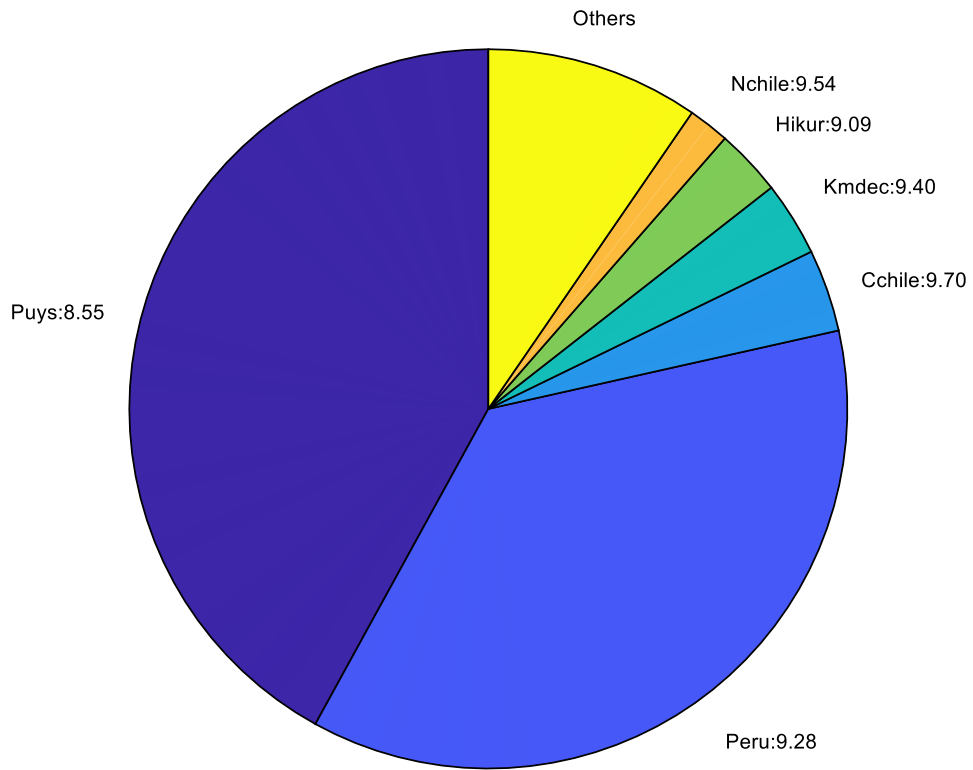
Deaggregation of Section:193, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.26 m



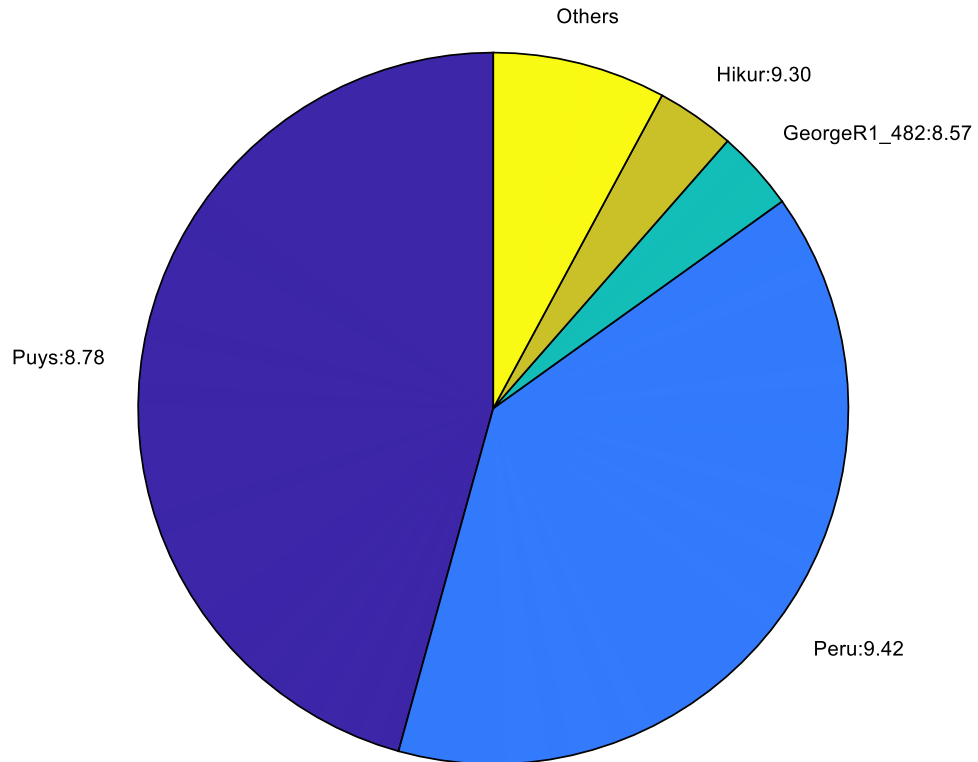
## A1.194 Coastal Section 194: Garden Point



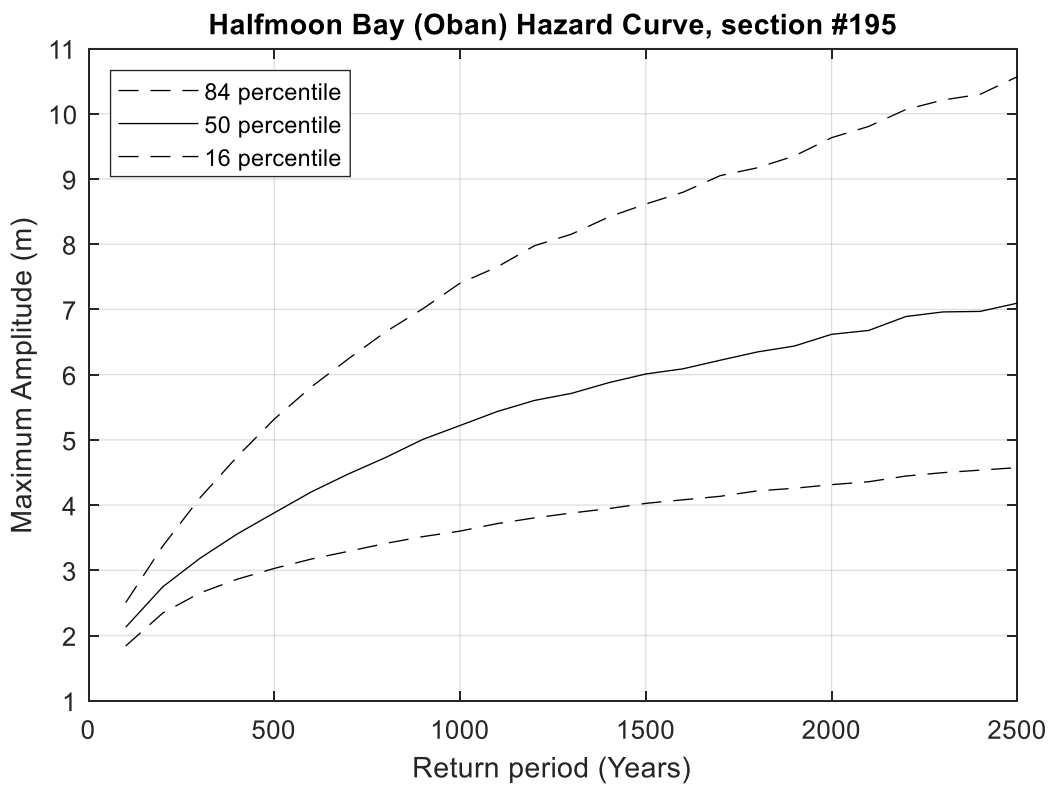
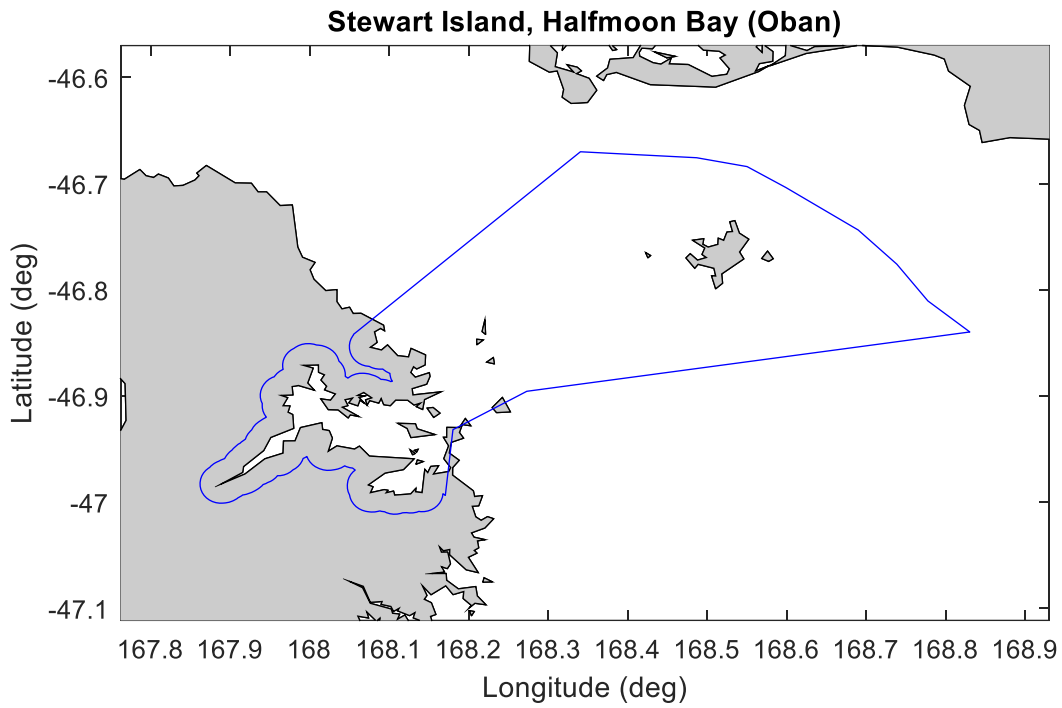
Deaggregation of Section:194, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.65 m



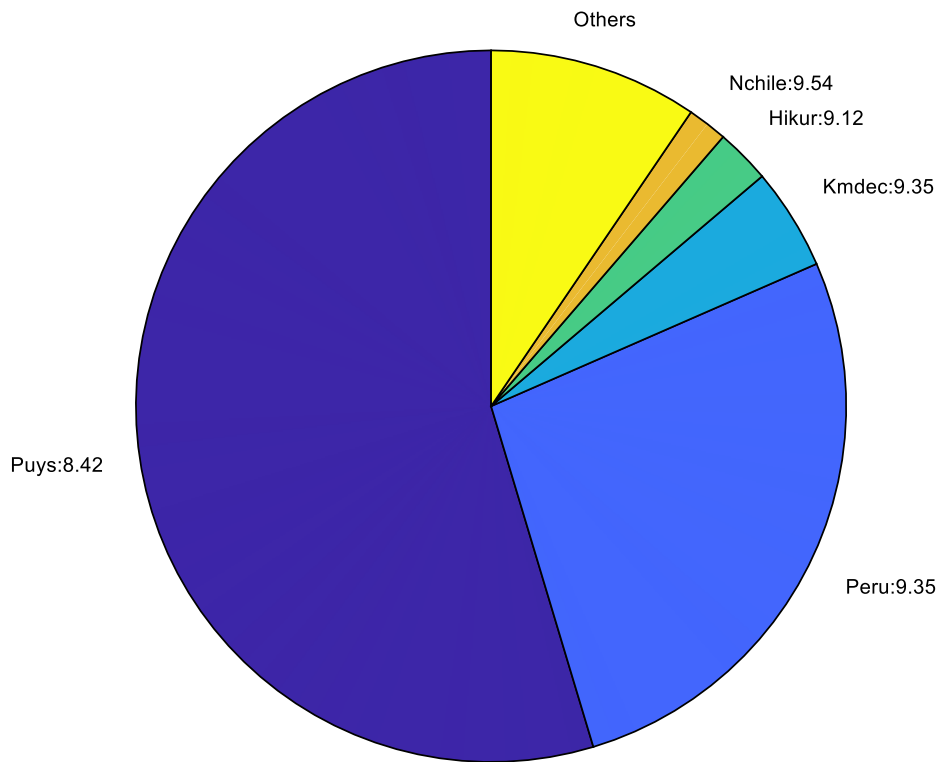
Deaggregation of Section:194, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.47 m



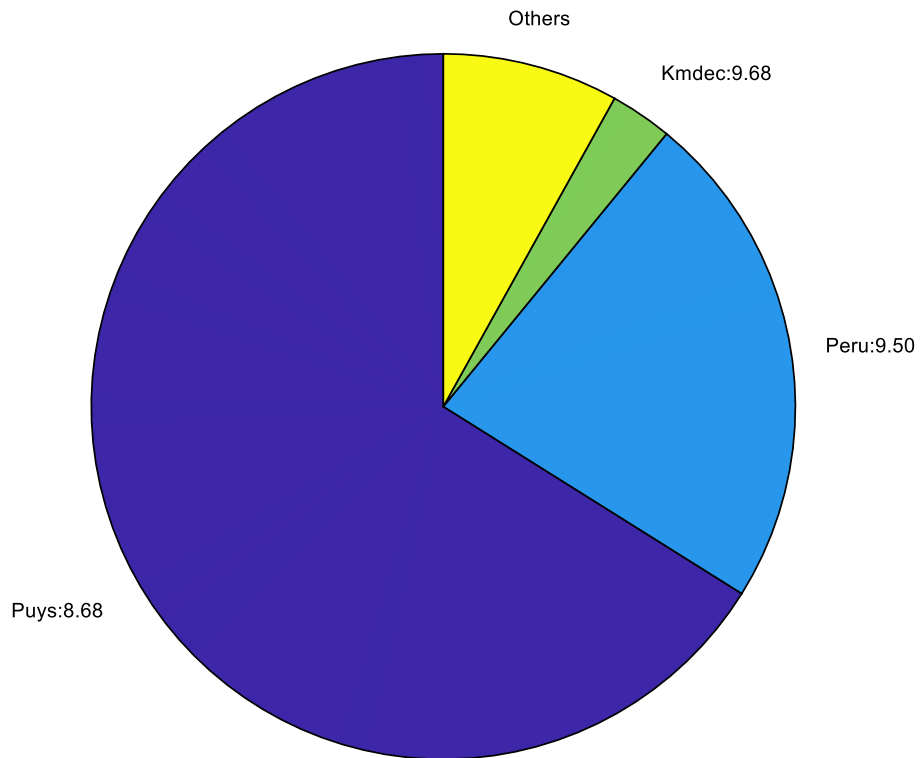
### A1.195 Coastal Section 195: Halfmoon Bay (Oban)



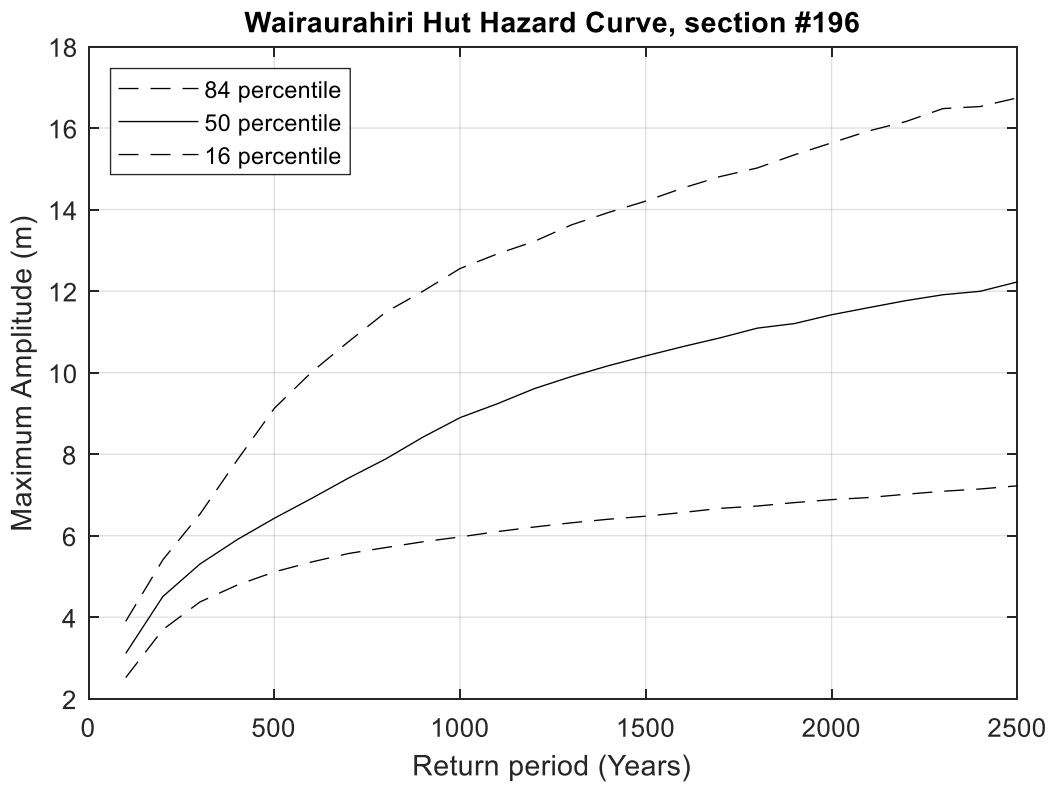
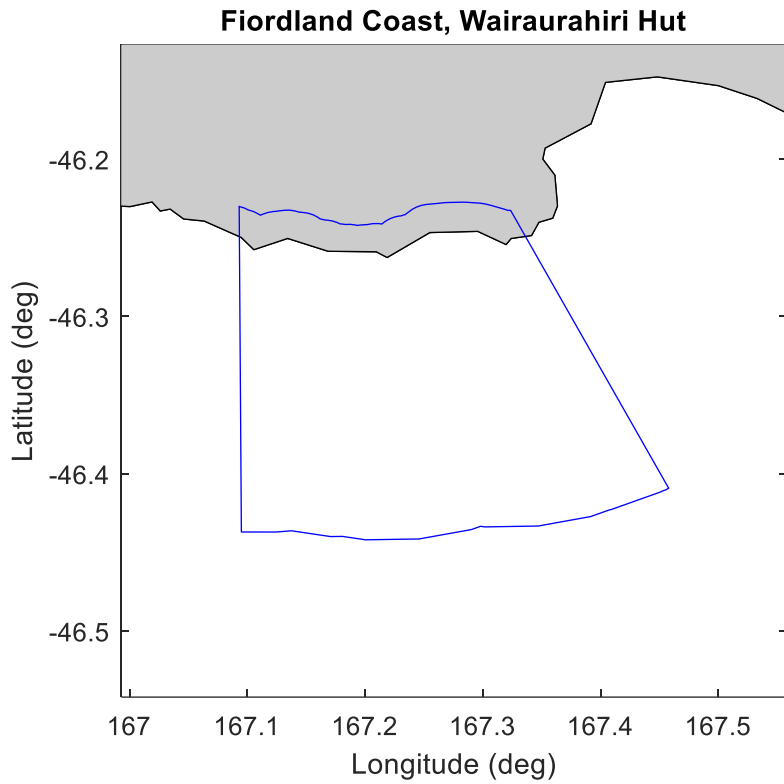
Deaggregation of Section:195, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.88 m



Deaggregation of Section:195, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.07 m

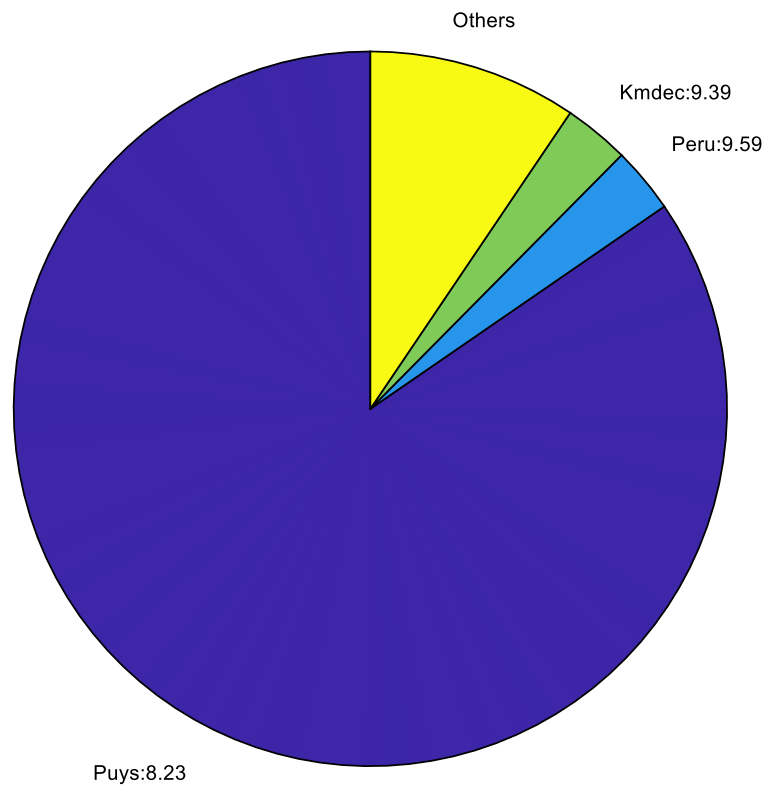


**A1.196 Coastal Section 196: Wairaurahiri Hut**

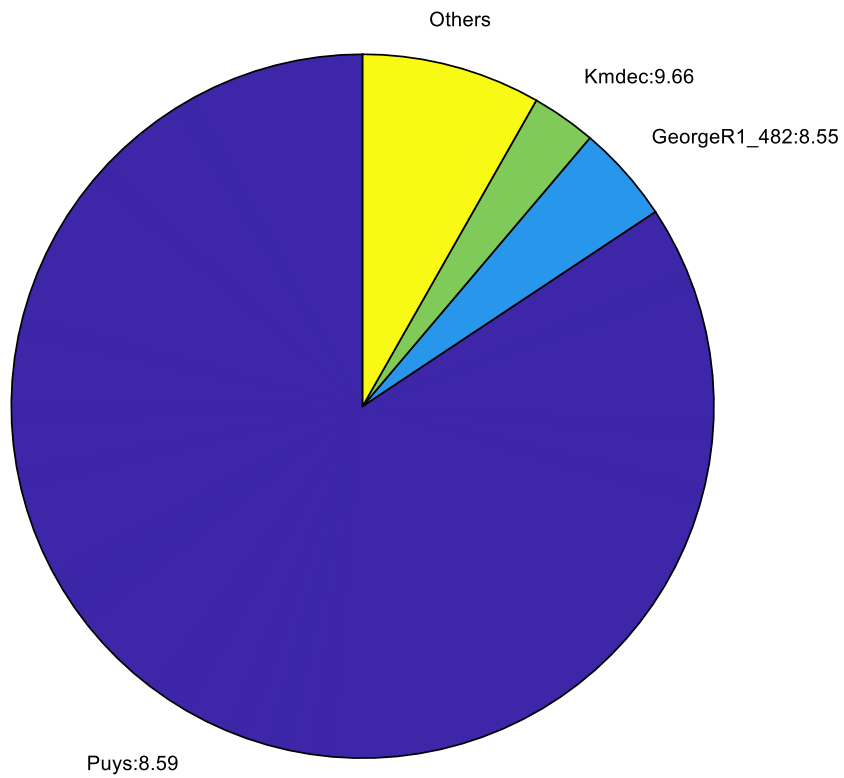




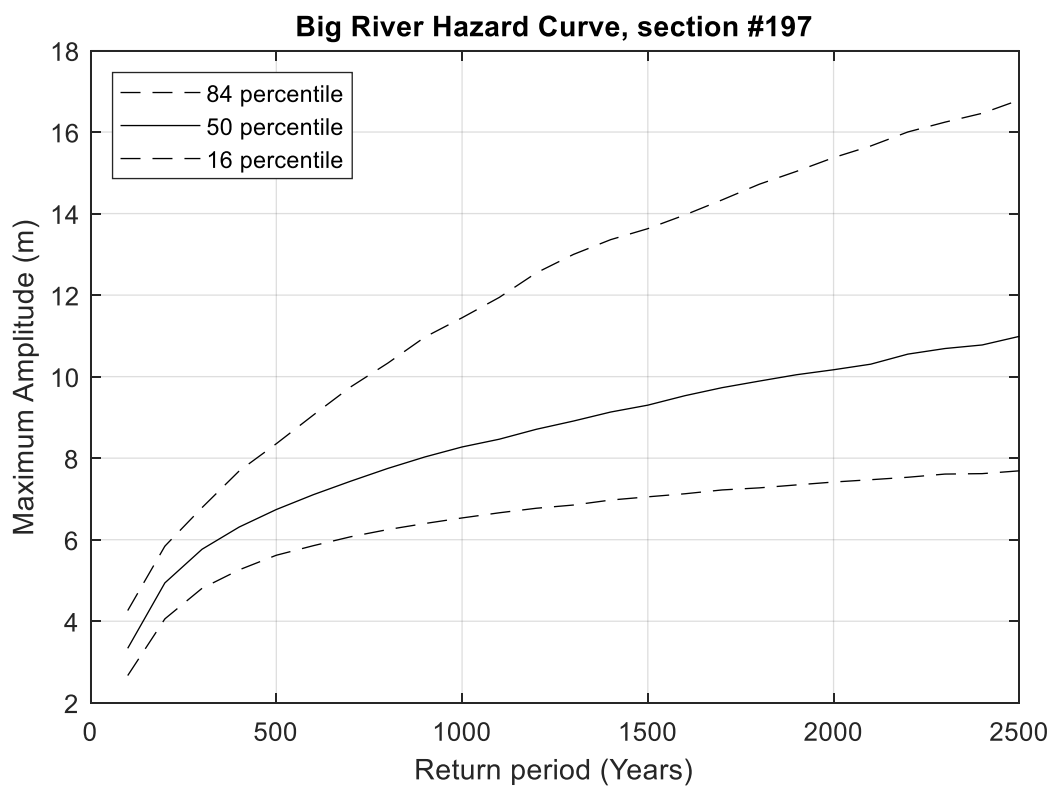
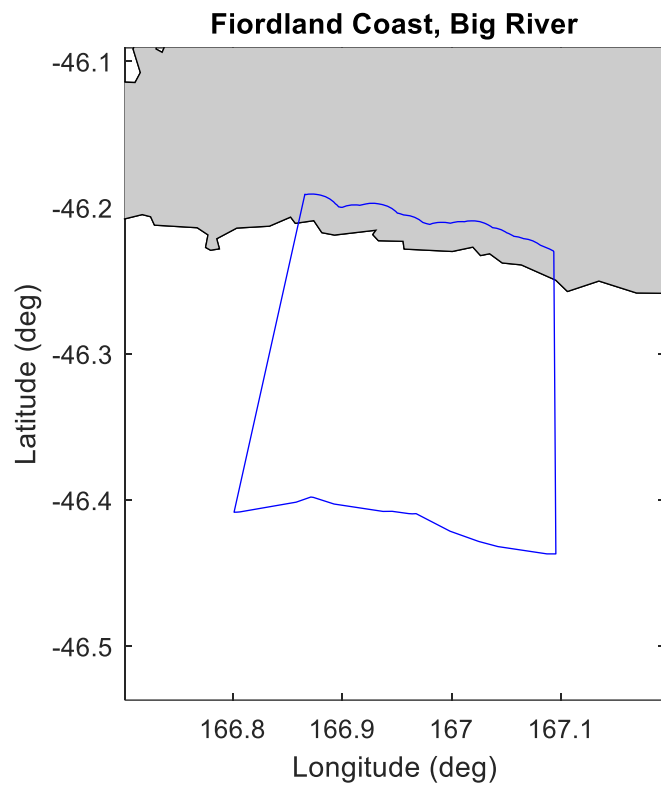
Deaggregation of Section:196, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.42 m



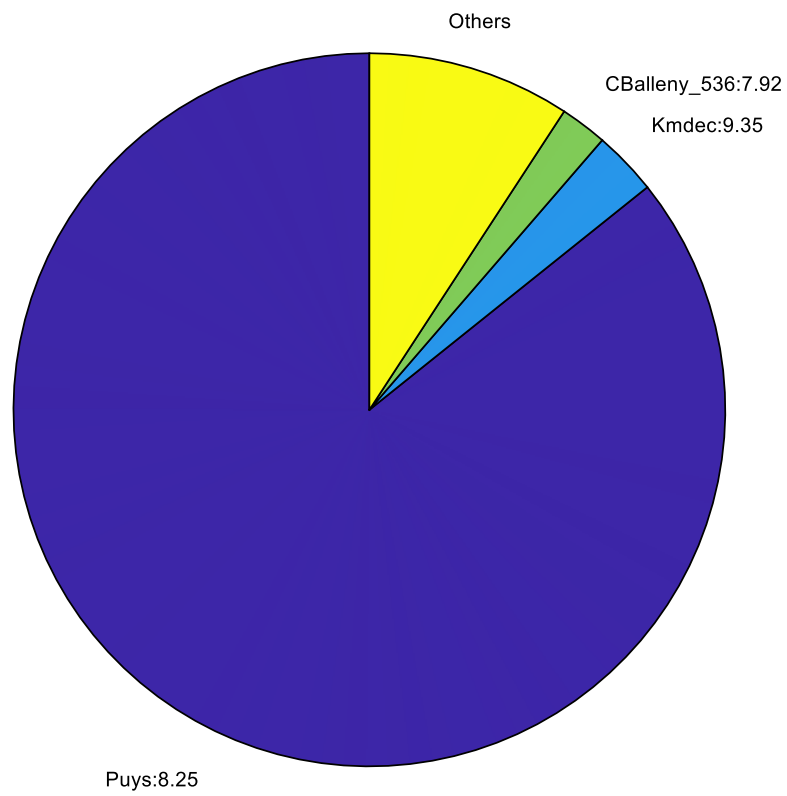
Deaggregation of Section:196, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:12.20 m



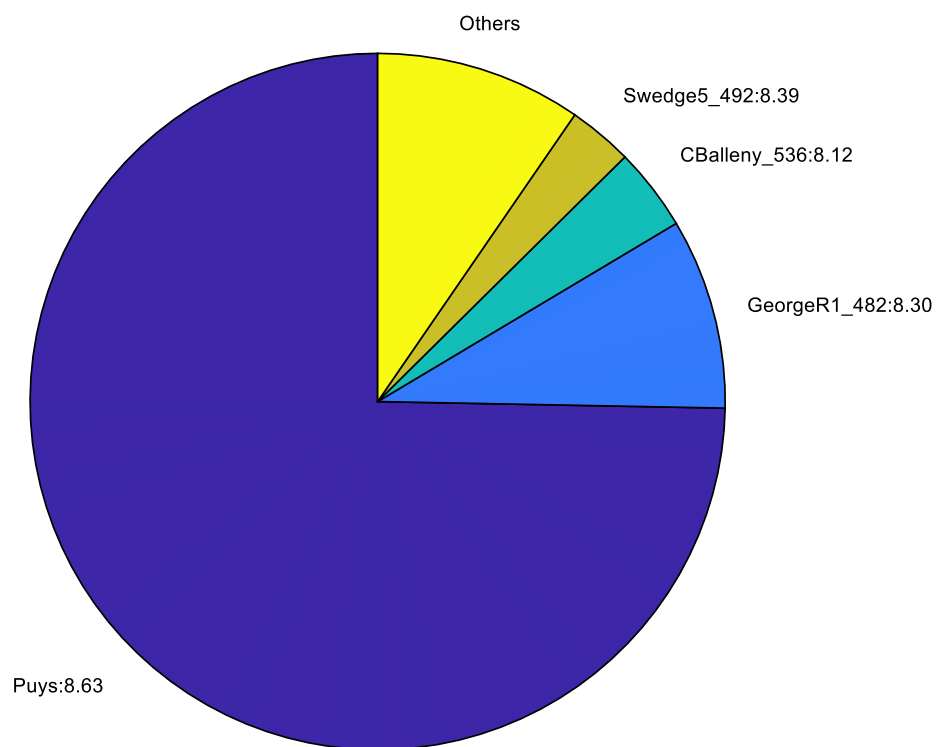
## A1.197 Coastal Section 197: Big River



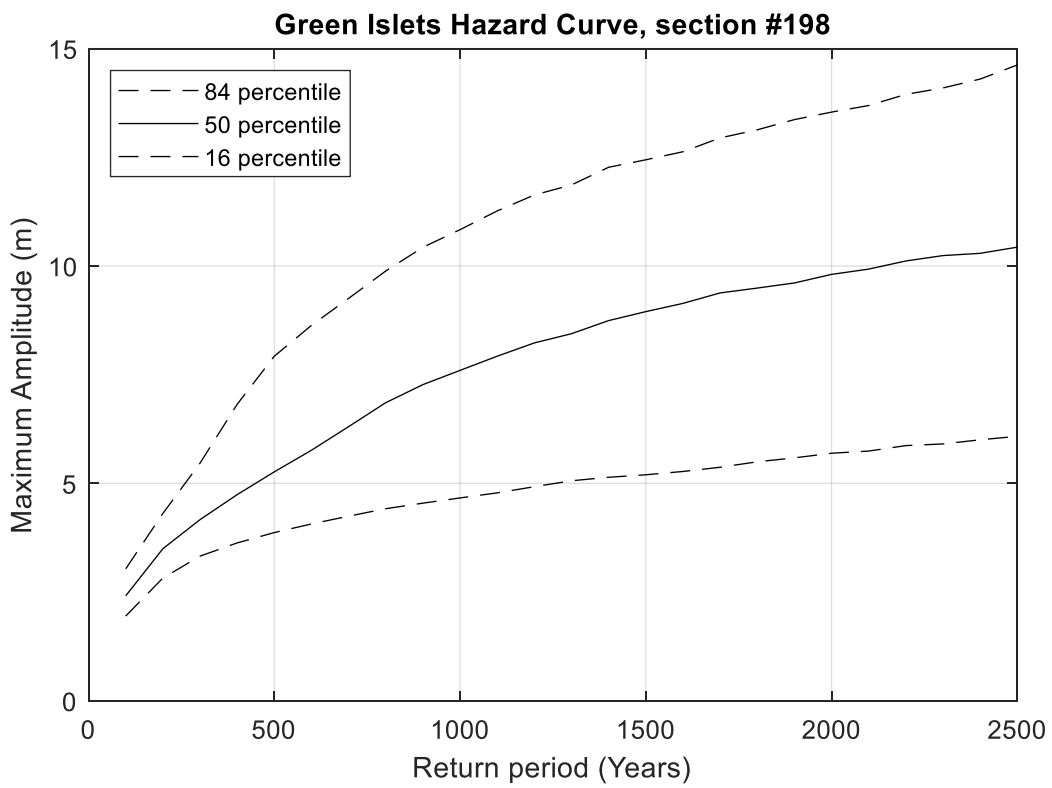
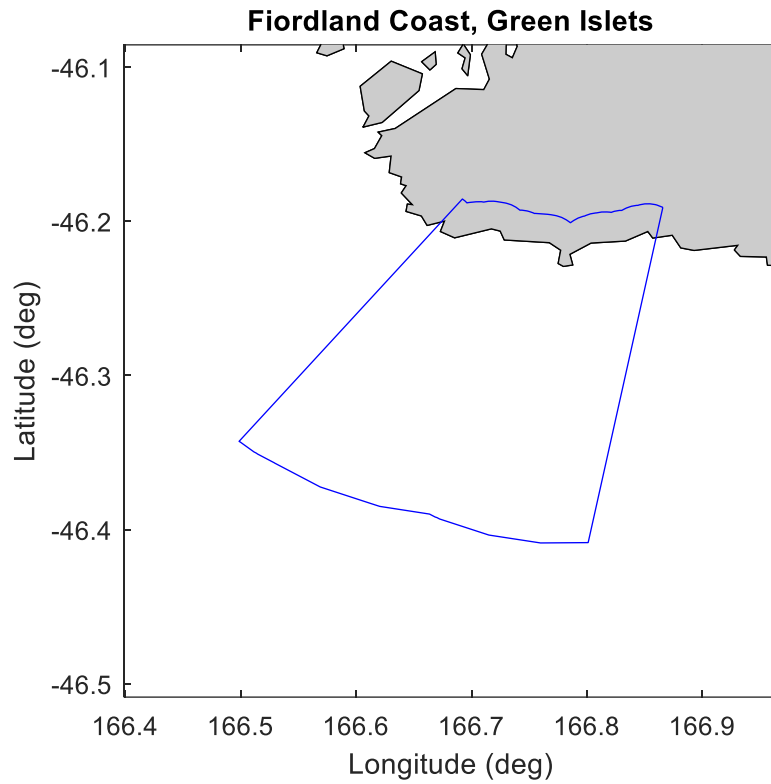
Deaggregation of Section:197, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.74 m



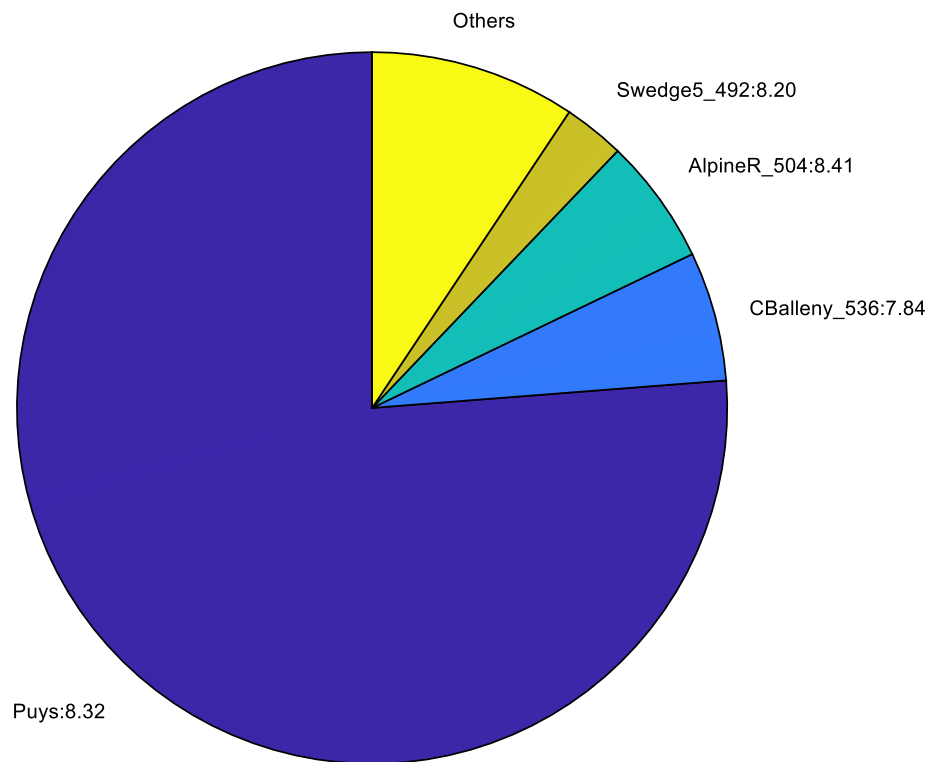
Deaggregation of Section:197, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:10.98 m



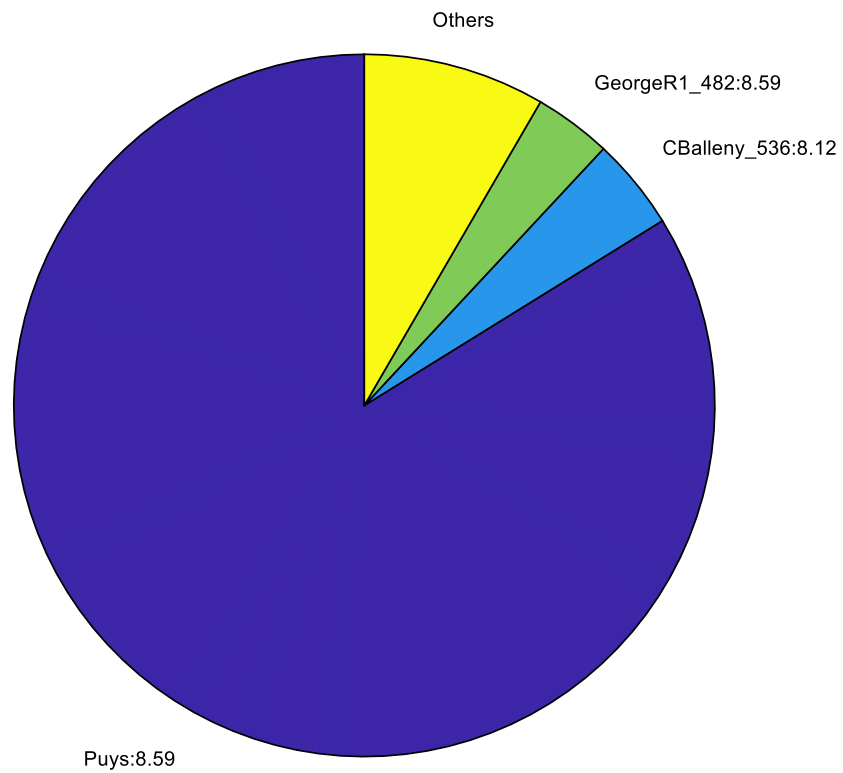
# A1.198 Coastal Section 198: Green Islets



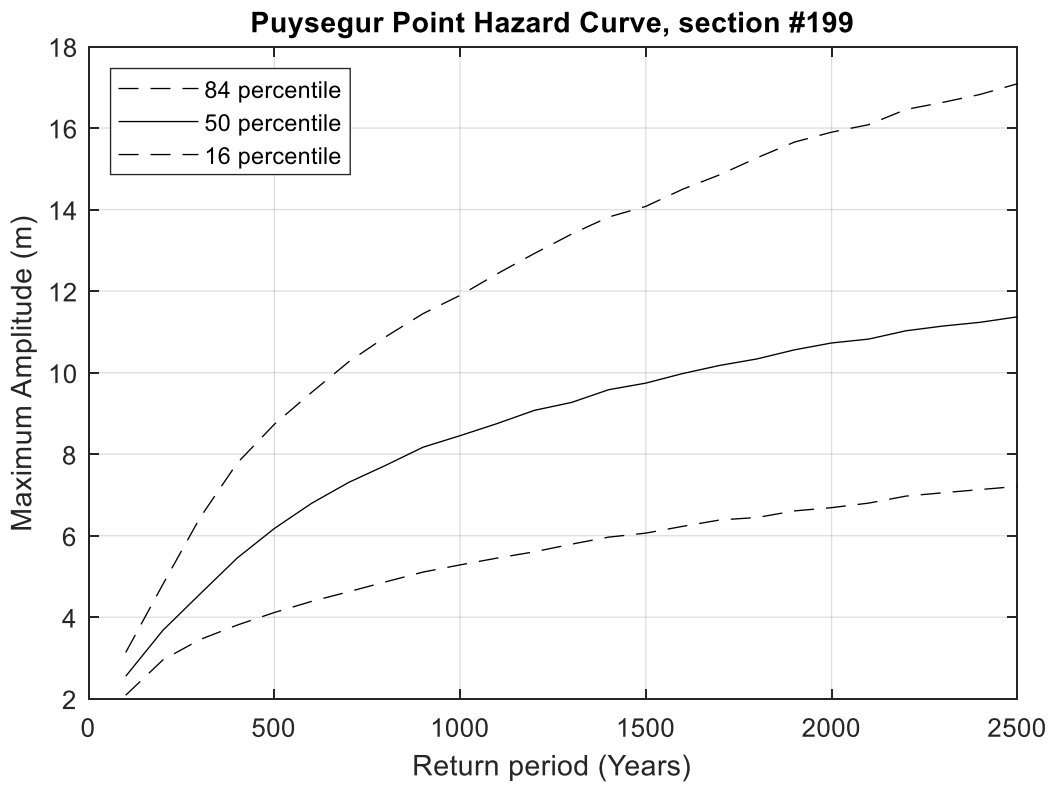
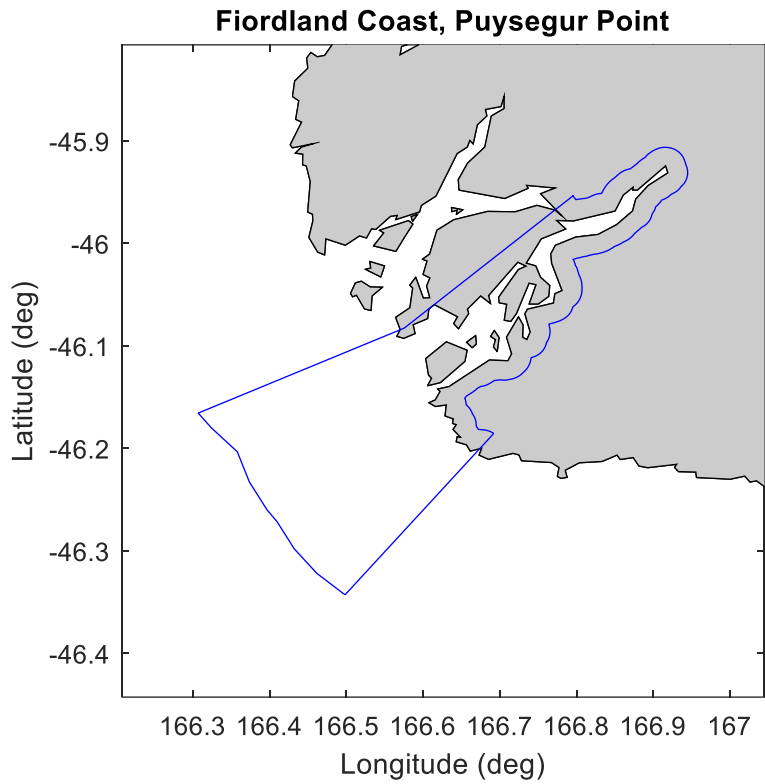
Deaggregation of Section:198, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.26 m



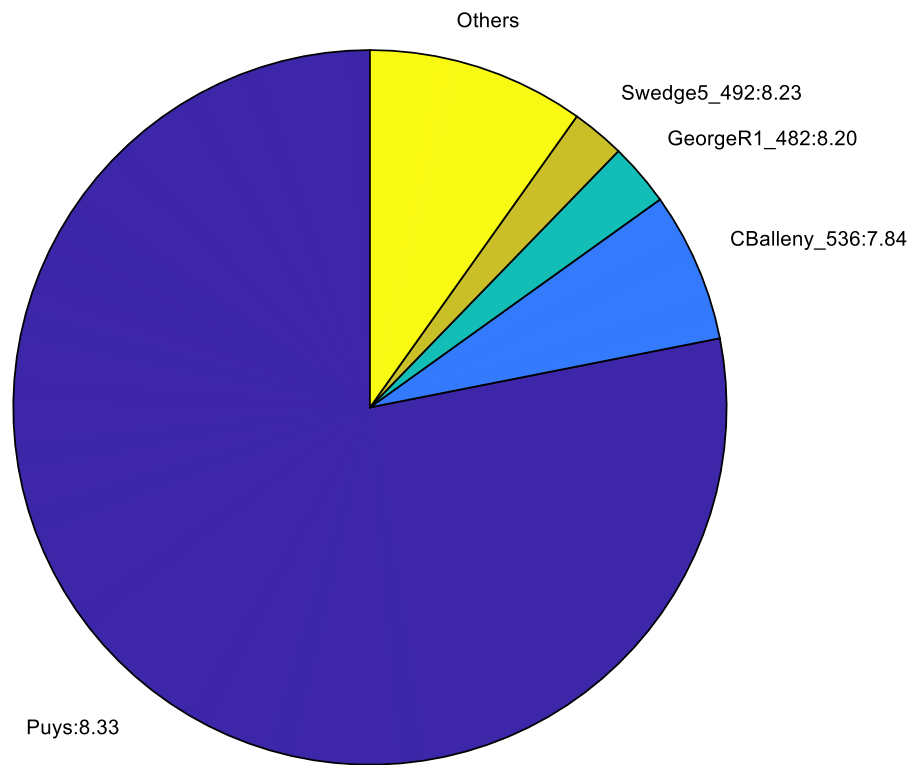
Deaggregation of Section:198, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:10.42 m



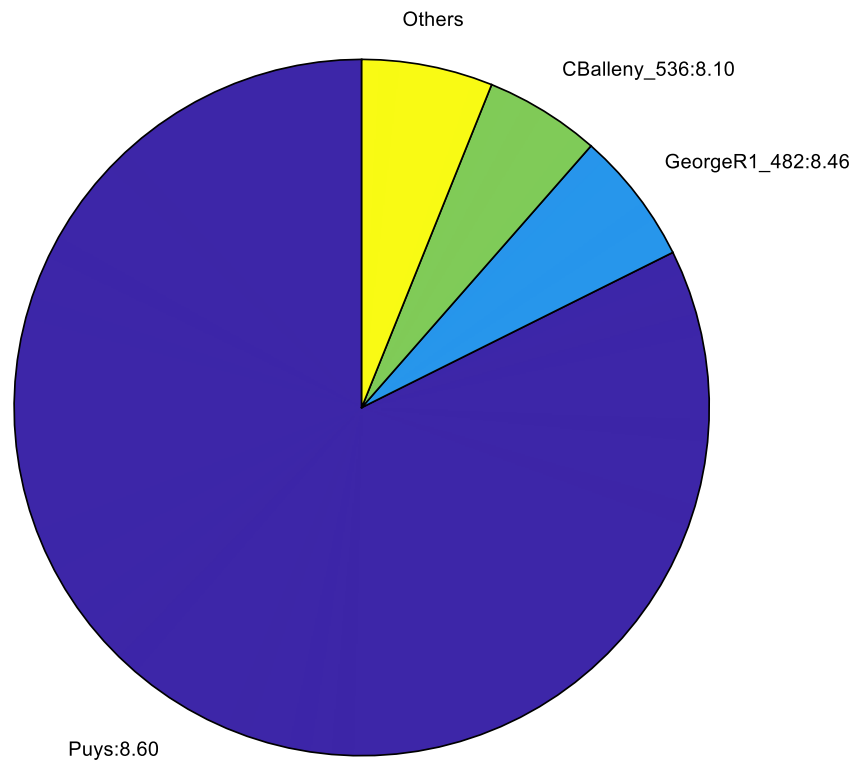
# A1.199 Coastal Section 199: Puysegur Point



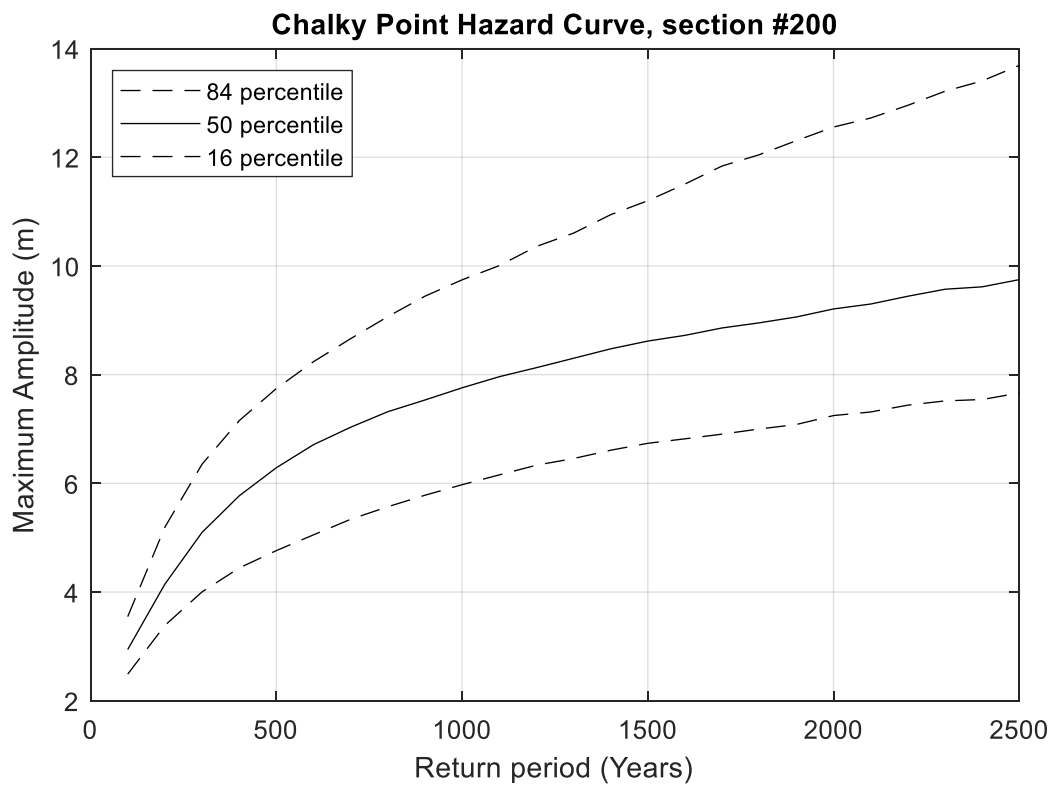
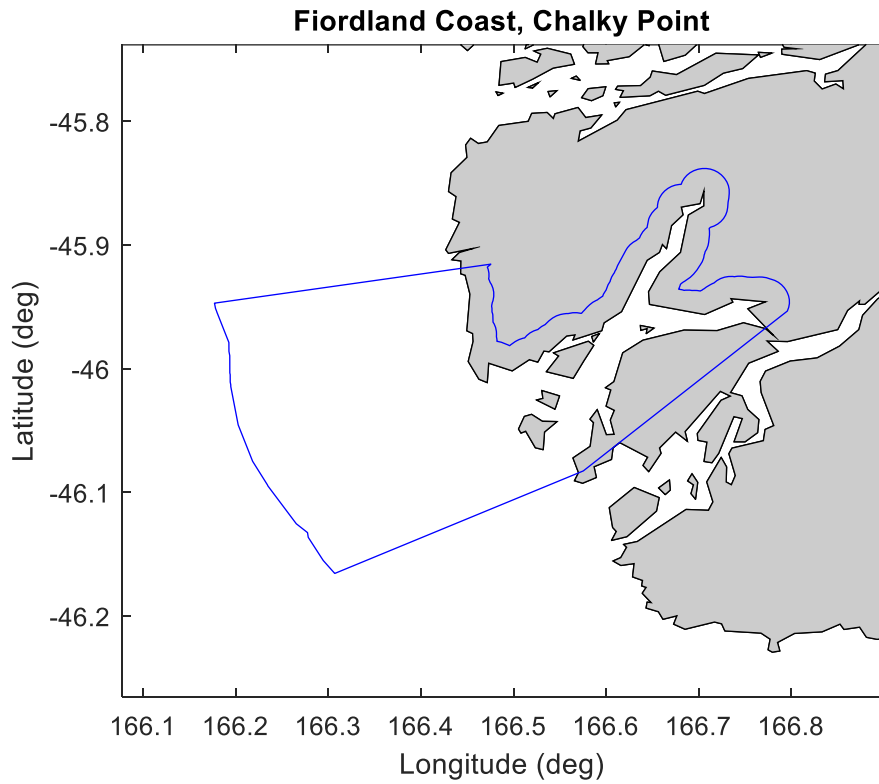
Deaggregation of Section:199, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.18 m



Deaggregation of Section:199, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:11.36 m

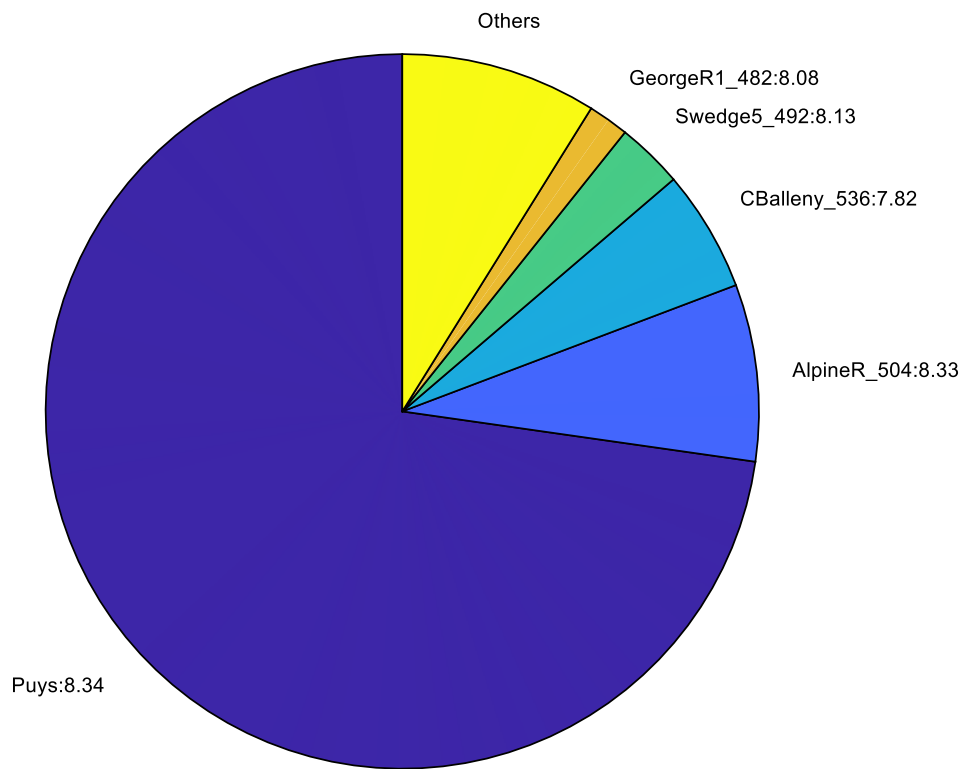


## A1.200 Coastal Section 200: Chalky Point

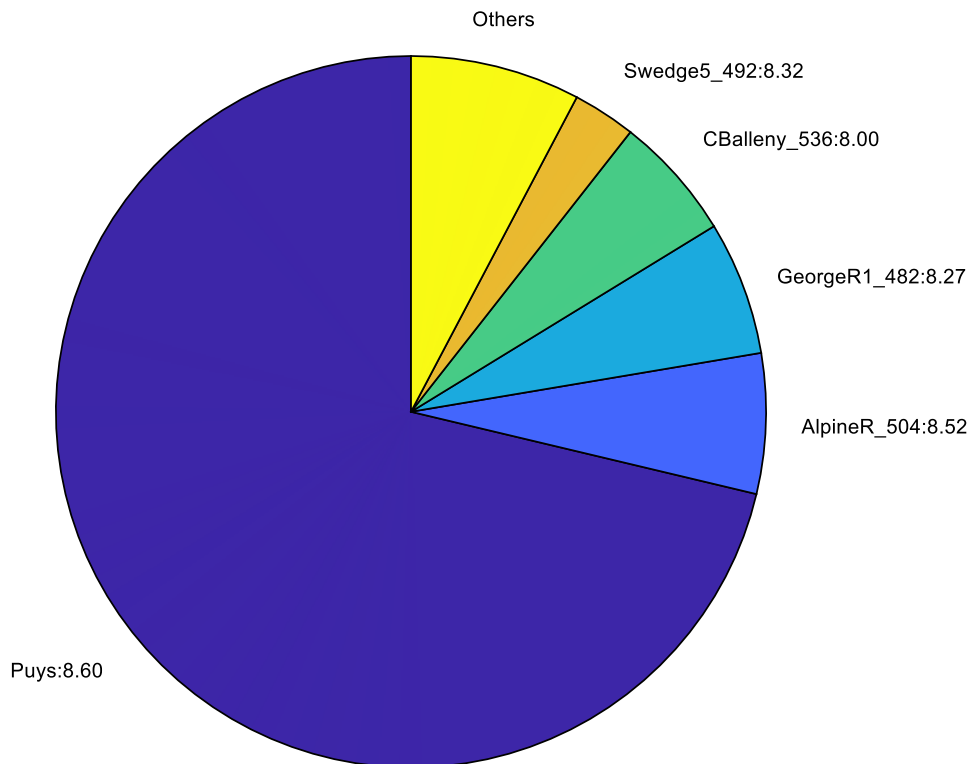




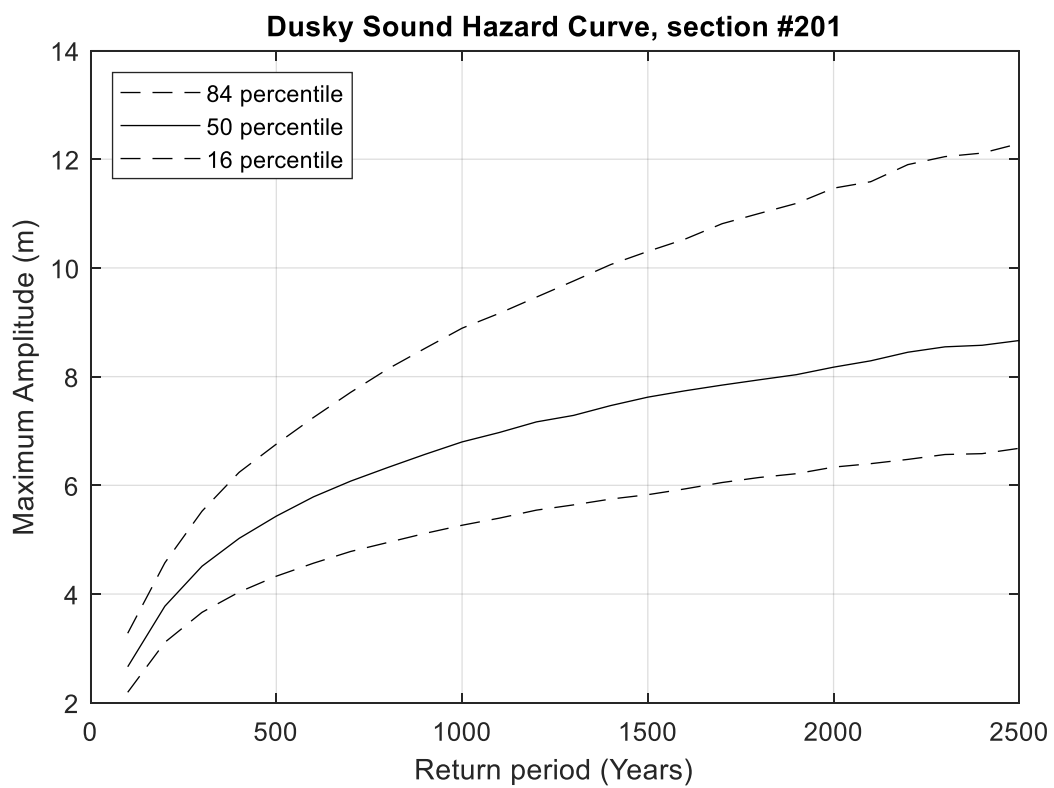
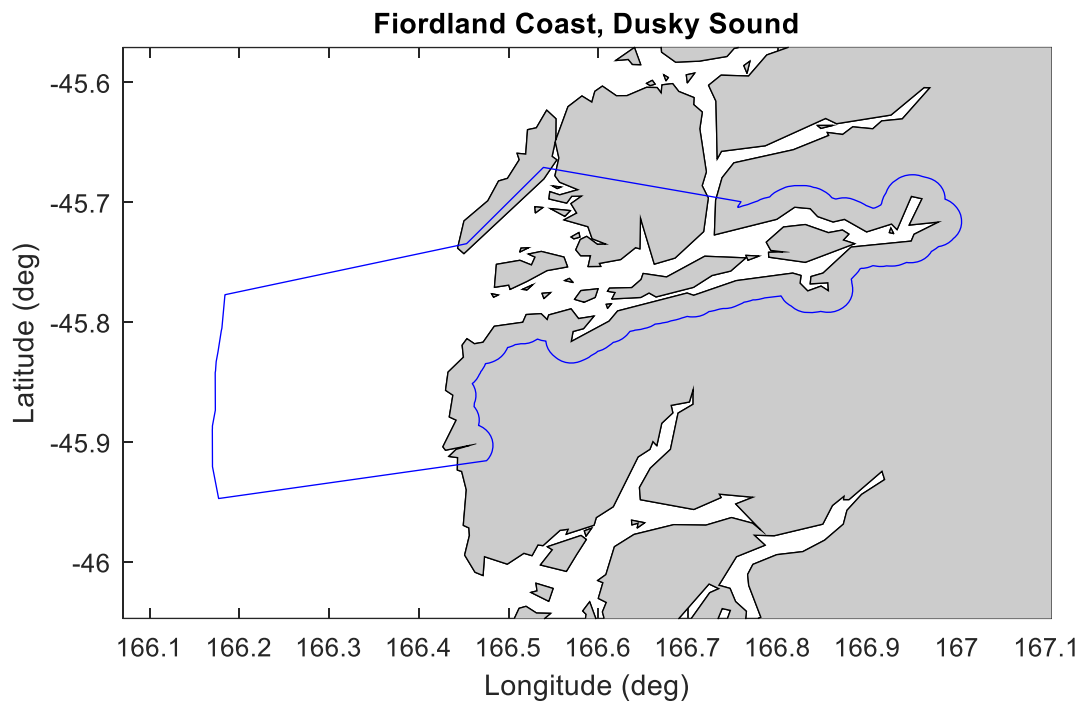
Deaggregation of Section:200, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.29 m



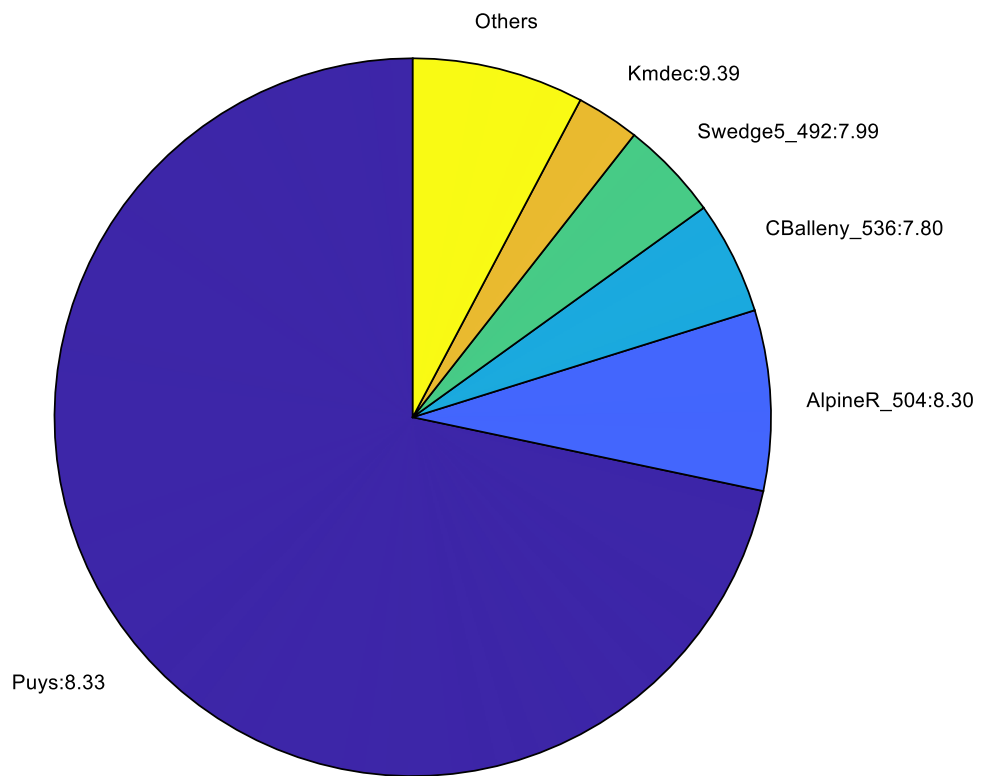
Deaggregation of Section:200, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:9.75 m



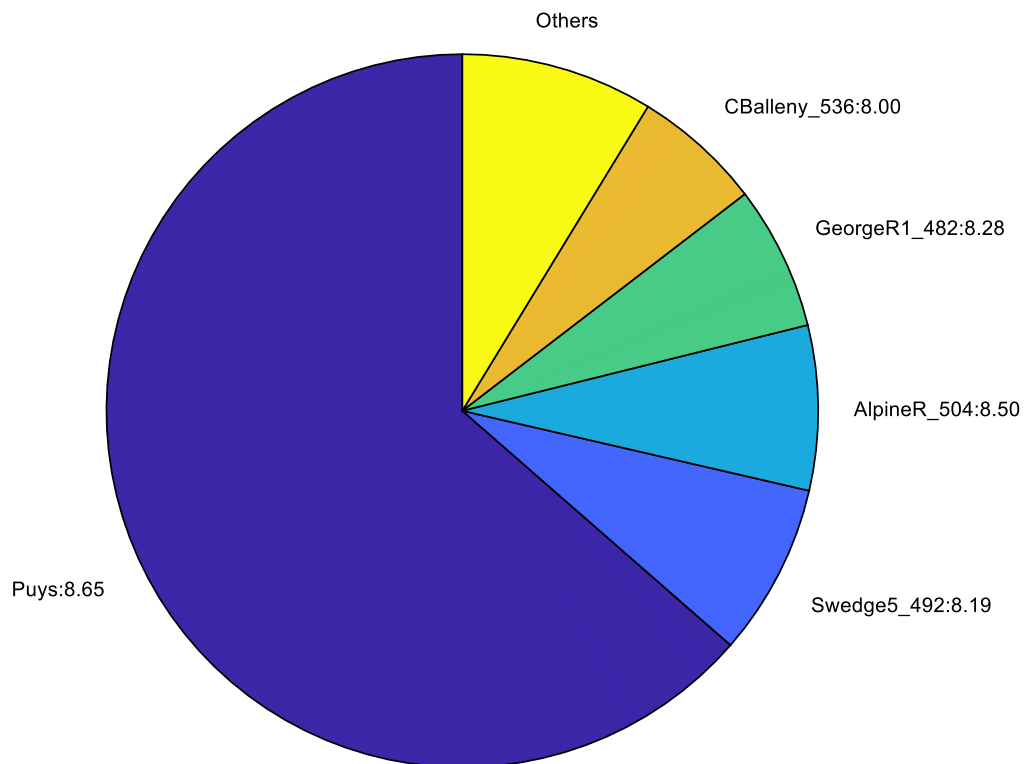
## A1.201 Coastal Section 201: Dusky Sound



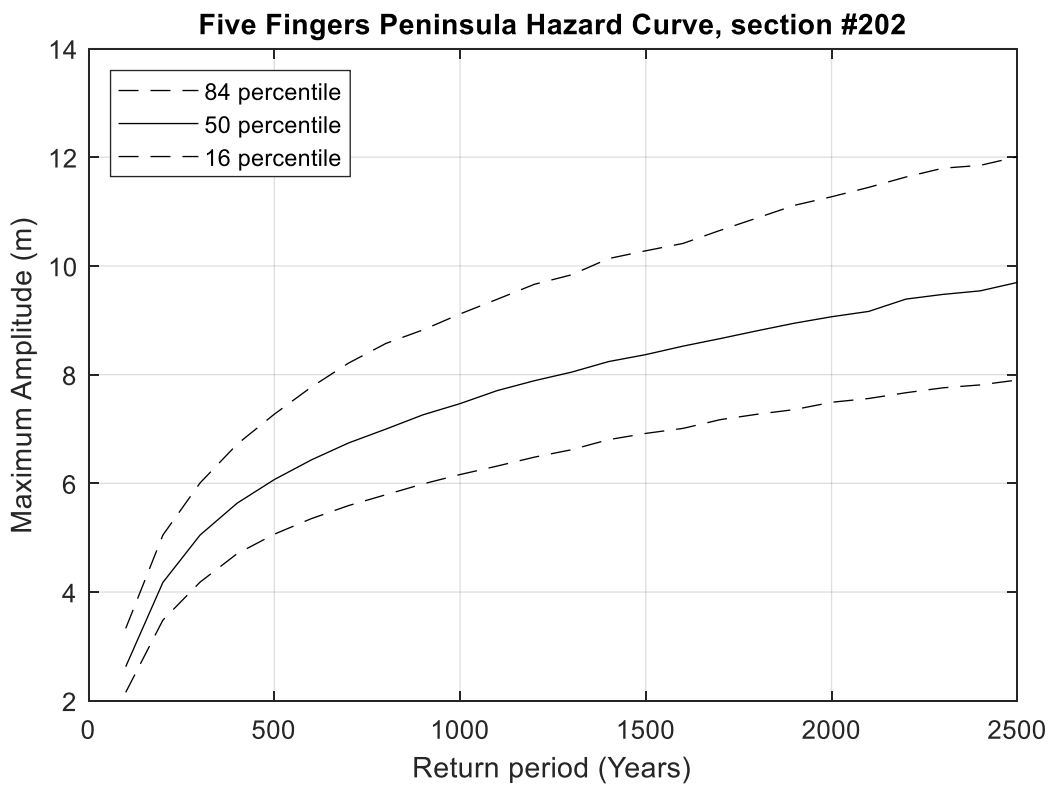
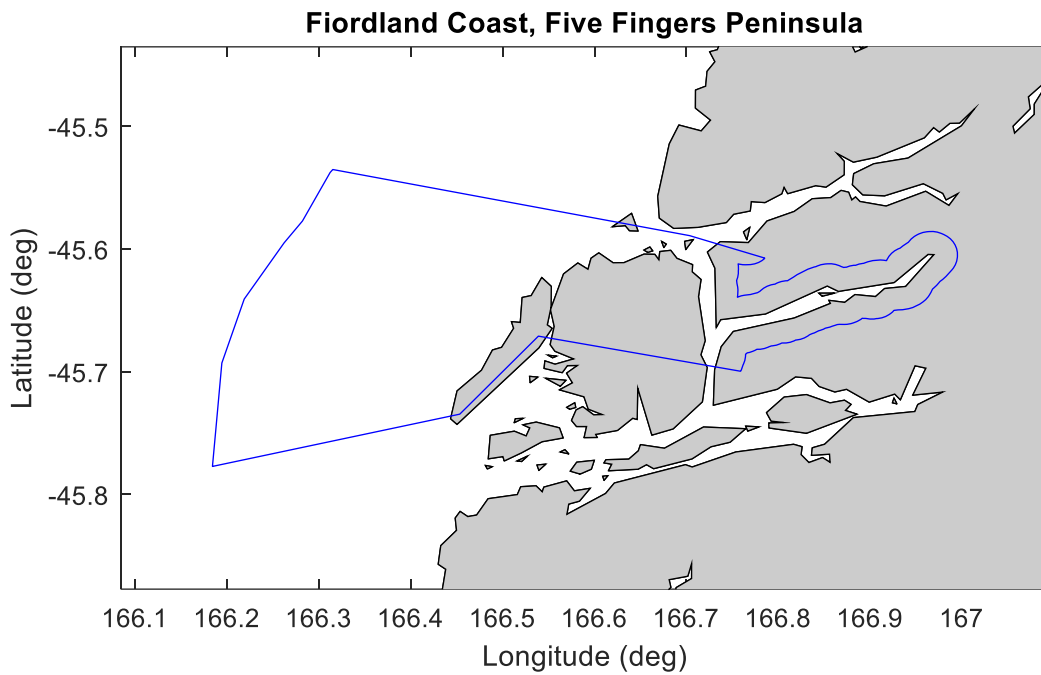
Deaggregation of Section:201, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.43 m



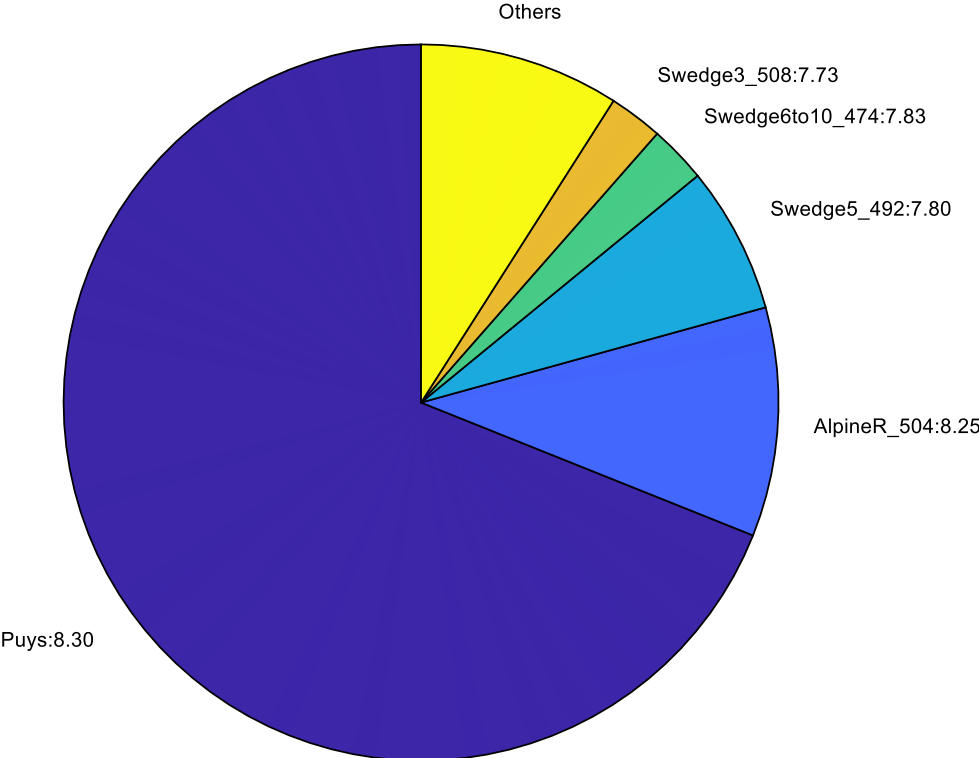
Deaggregation of Section:201, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.66 m



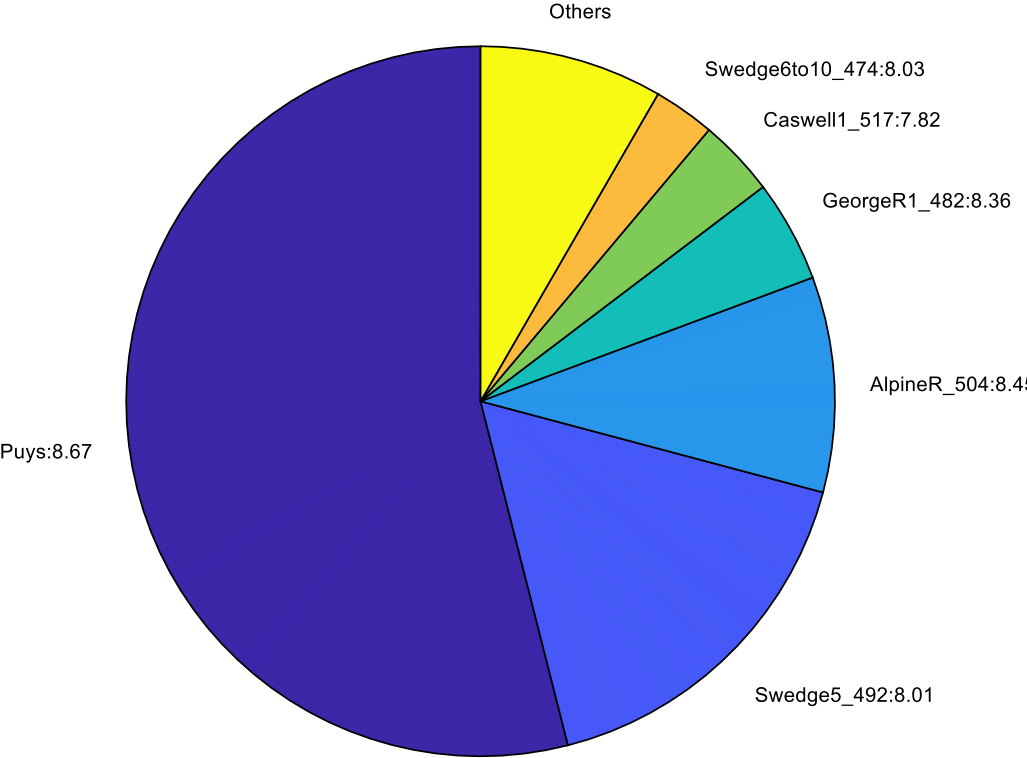
## A1.202 Coastal Section 202: Five Fingers Peninsula



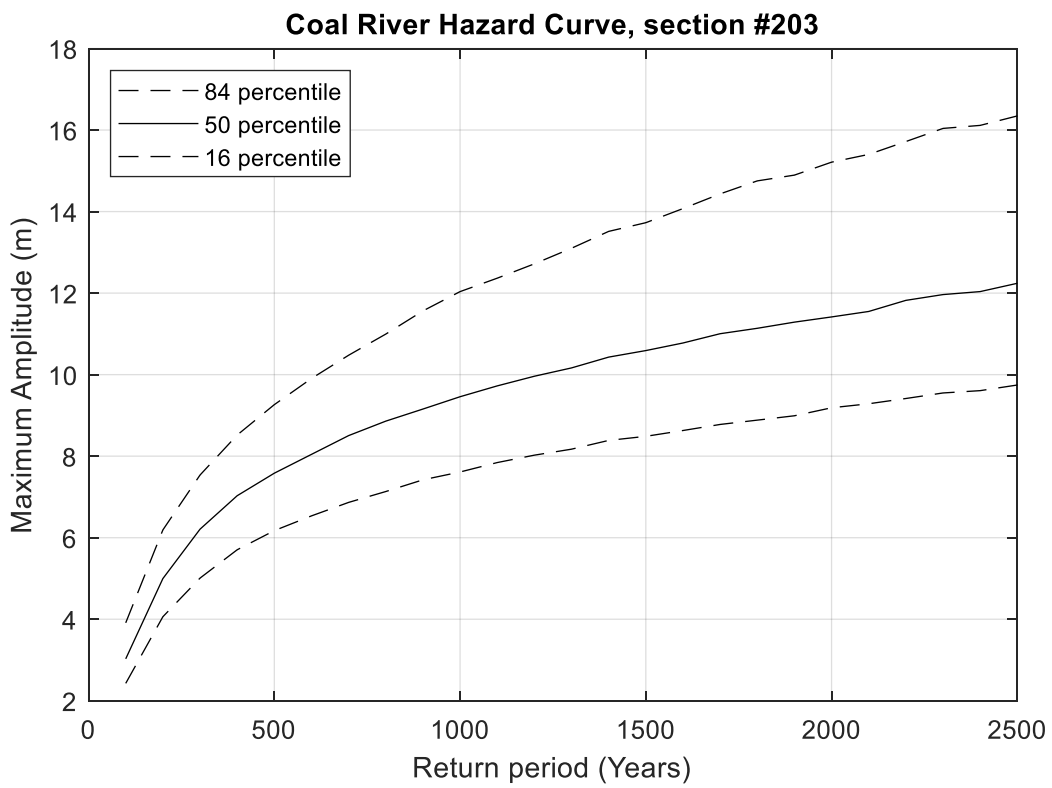
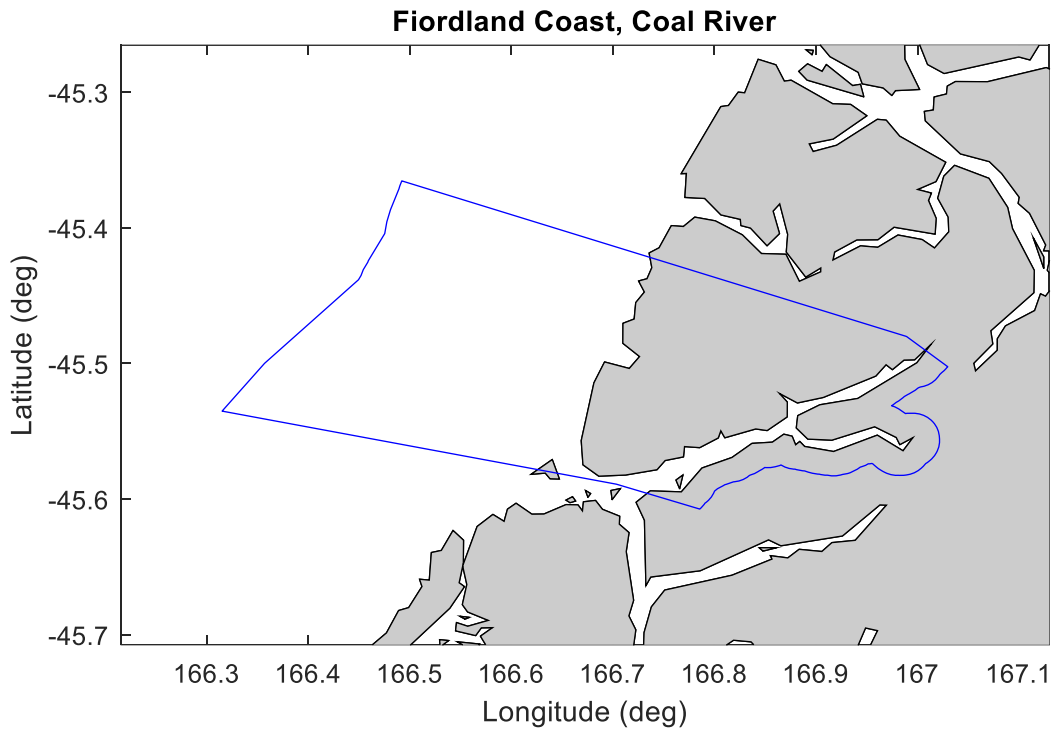
Deaggregation of Section:202, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.07 m



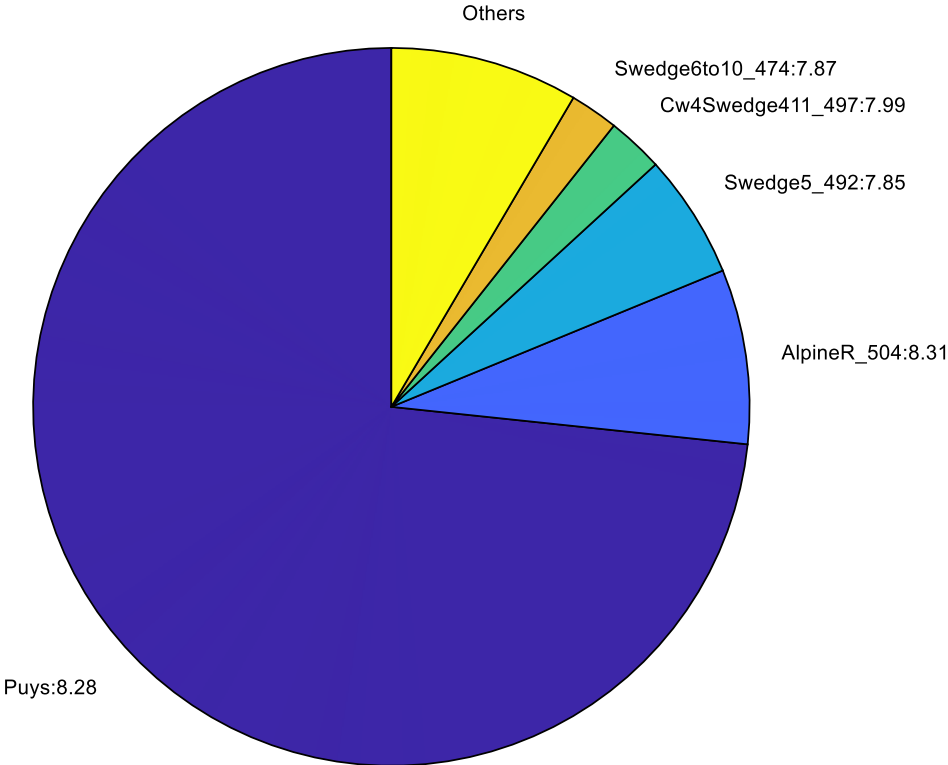
Deaggregation of Section:202, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:9.70 m



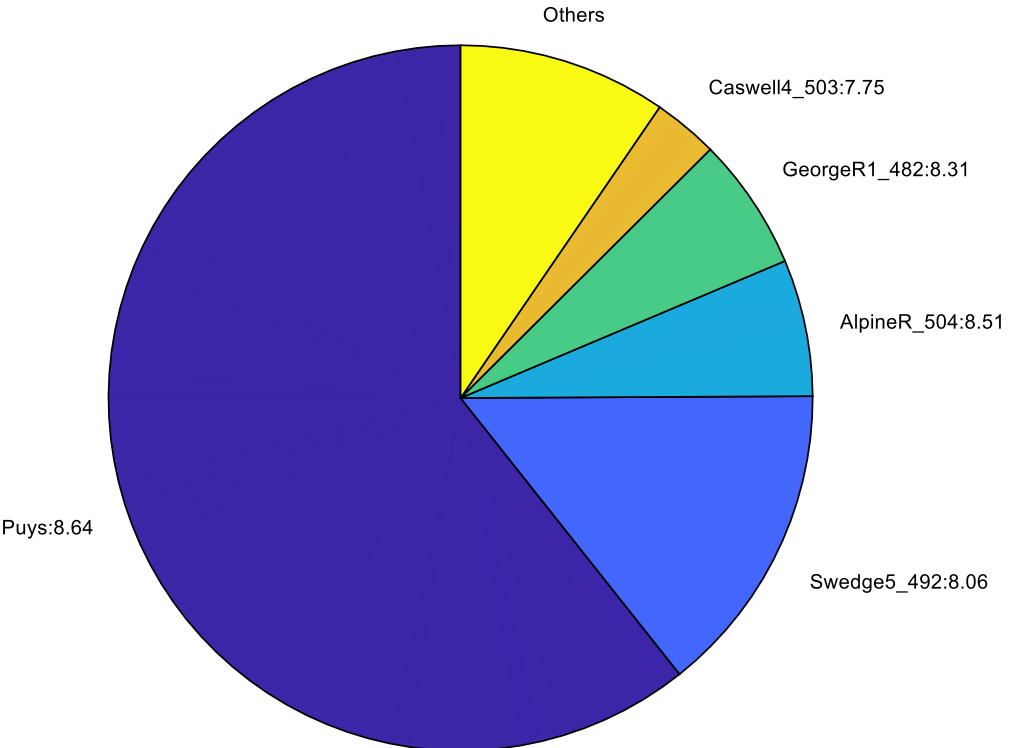
## A1.203 Coastal Section 203: Coal River



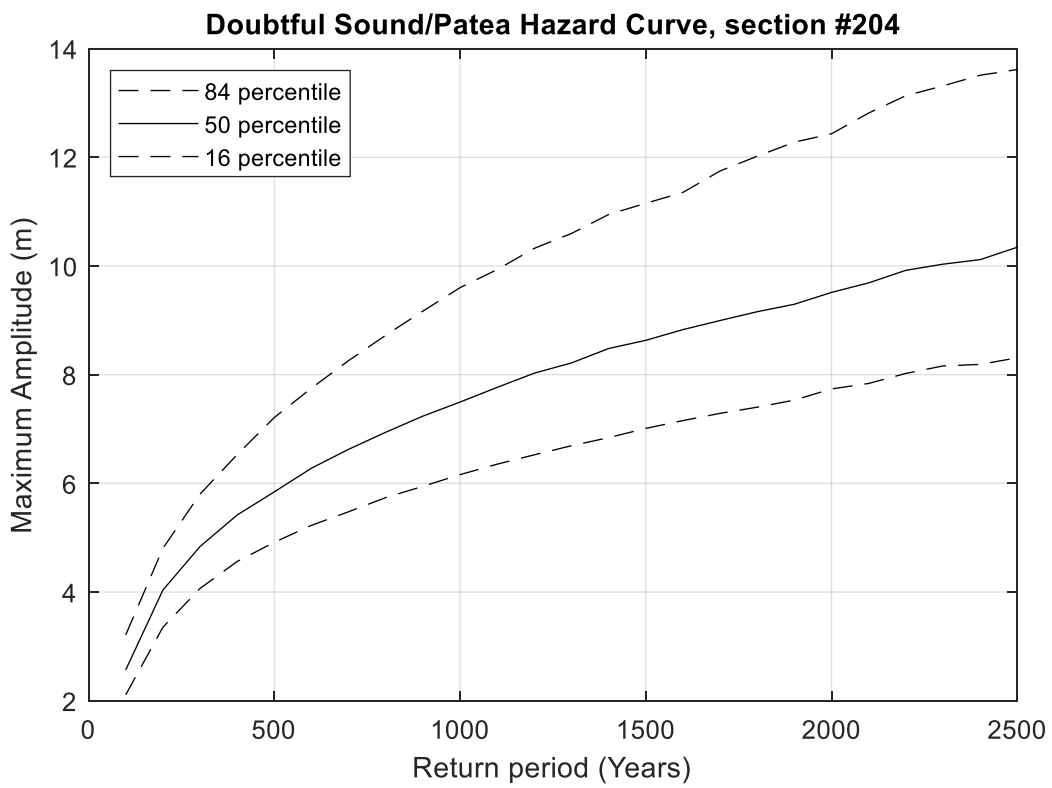
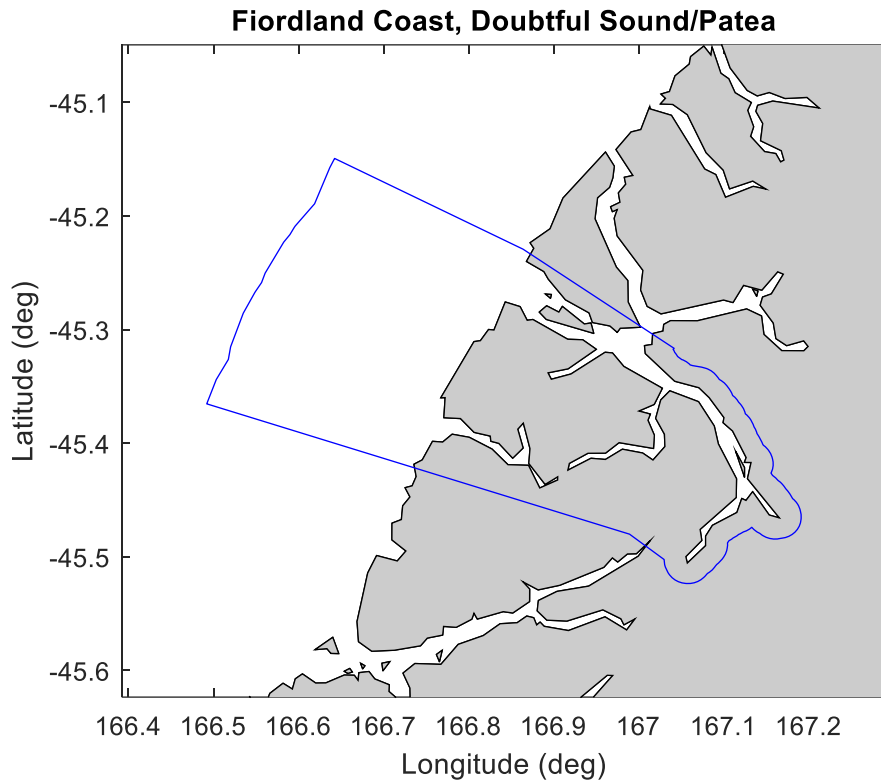
Deaggregation of Section:203, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.58 m



Deaggregation of Section:203, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:12.24 n

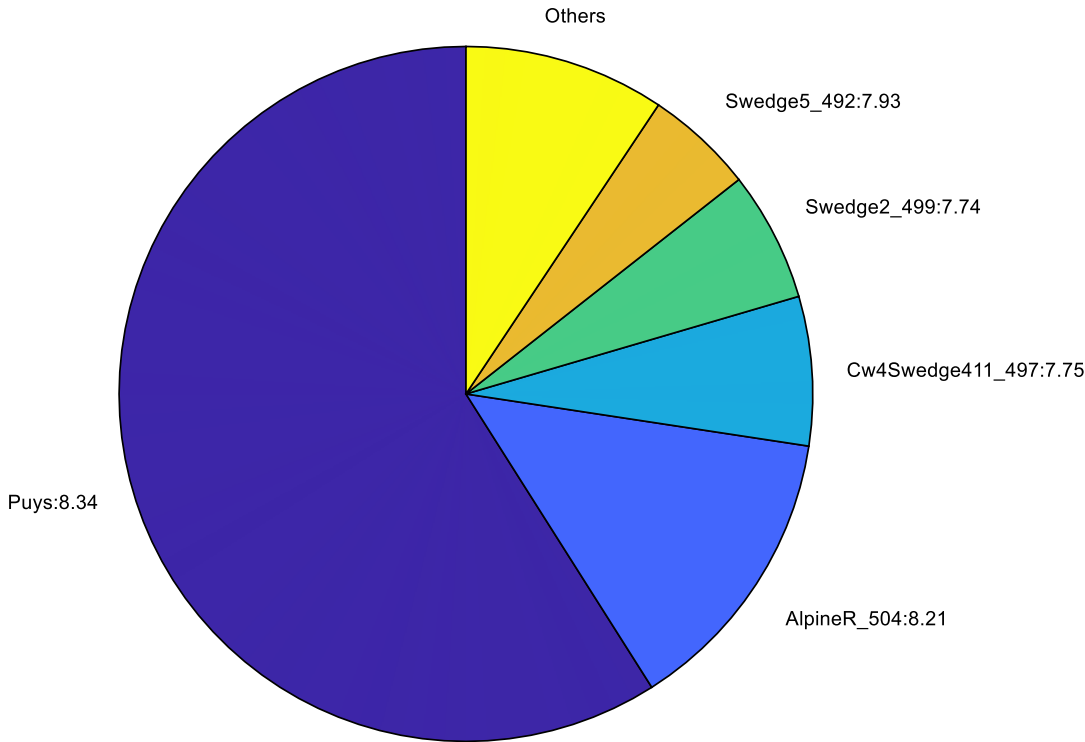


## A1.204 Coastal Section 204: Doubtful Sound / Patea

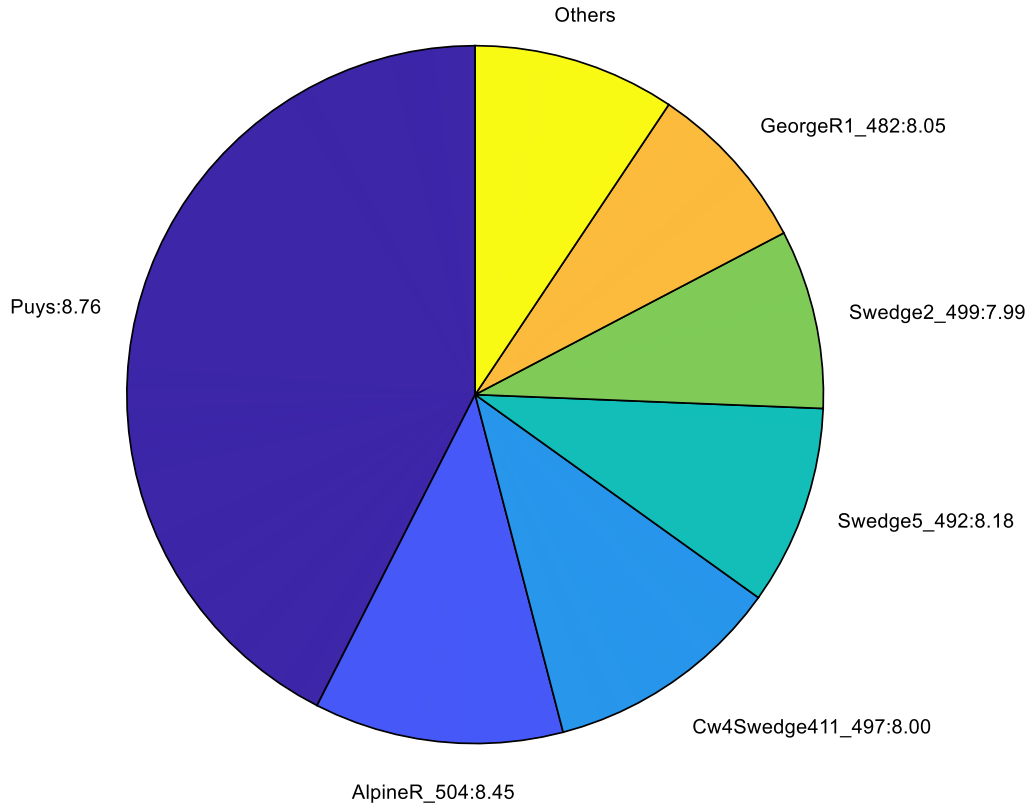




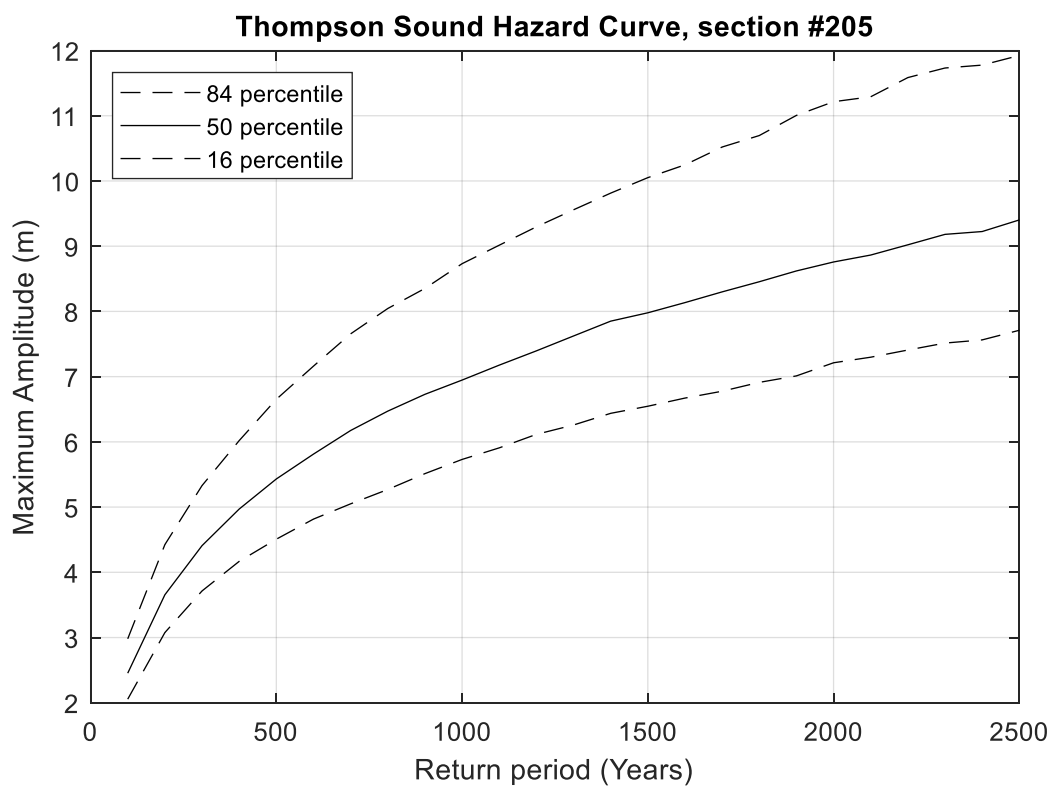
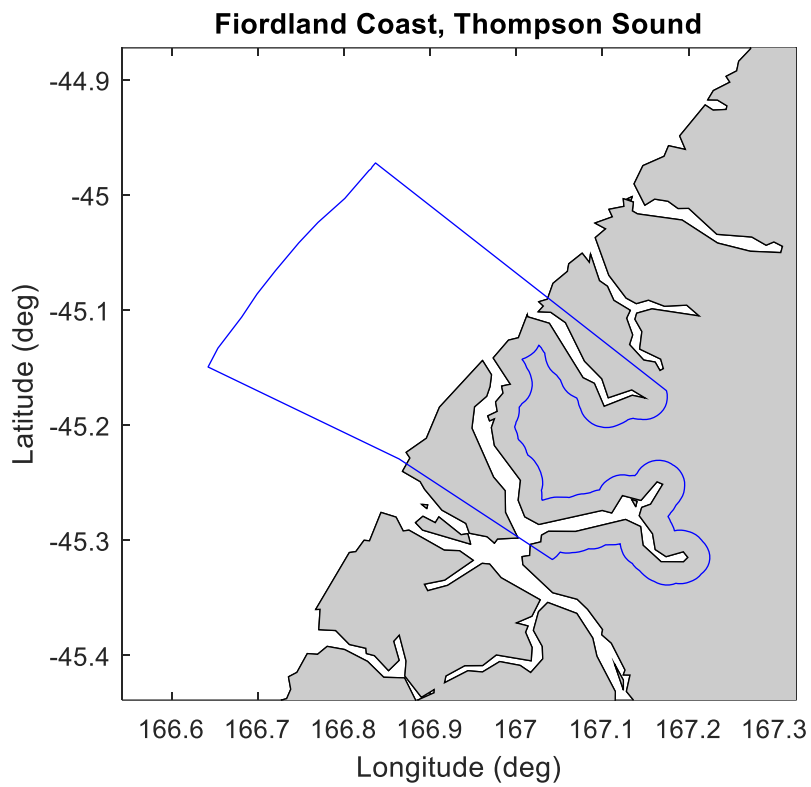
Deaggregation of Section:204, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.84 m



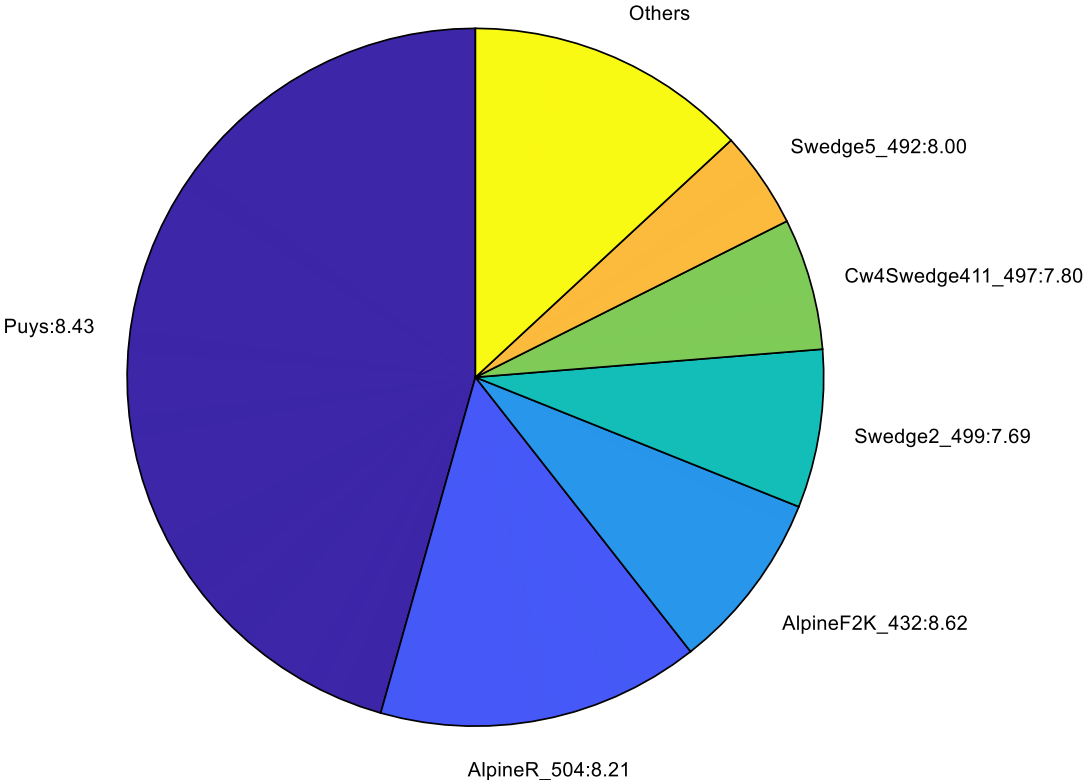
Deaggregation of Section:204, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:10.33 m



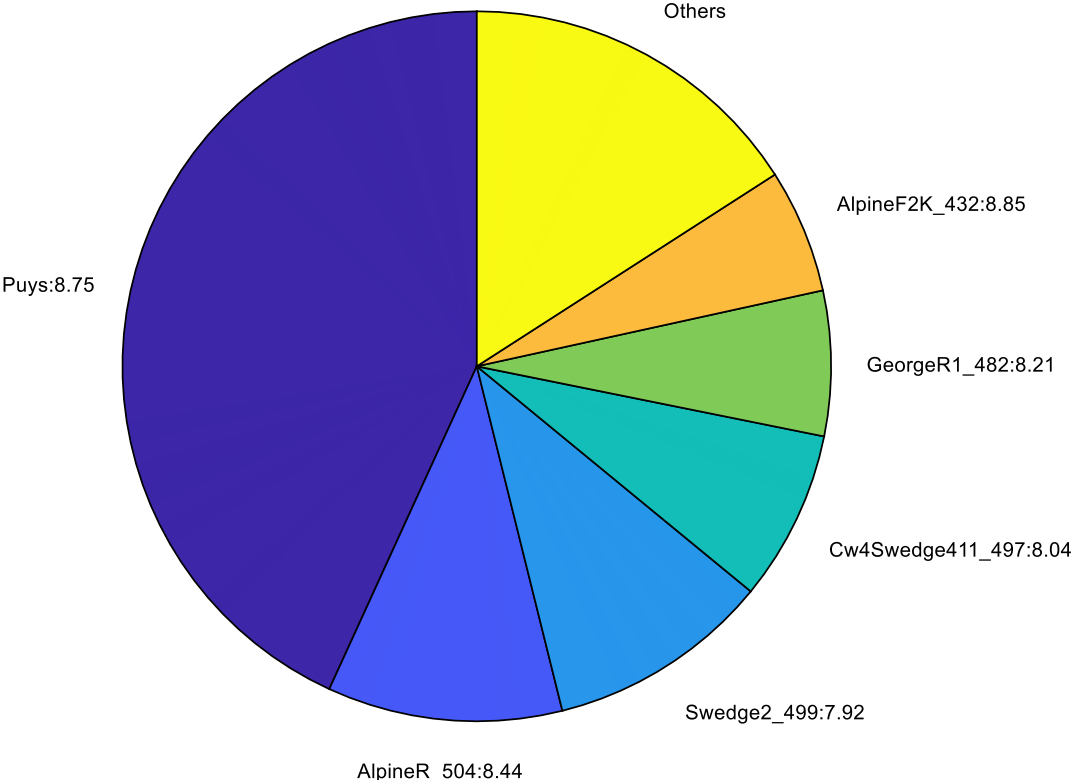
## A1.205 Coastal Section 205: Thompson Sound



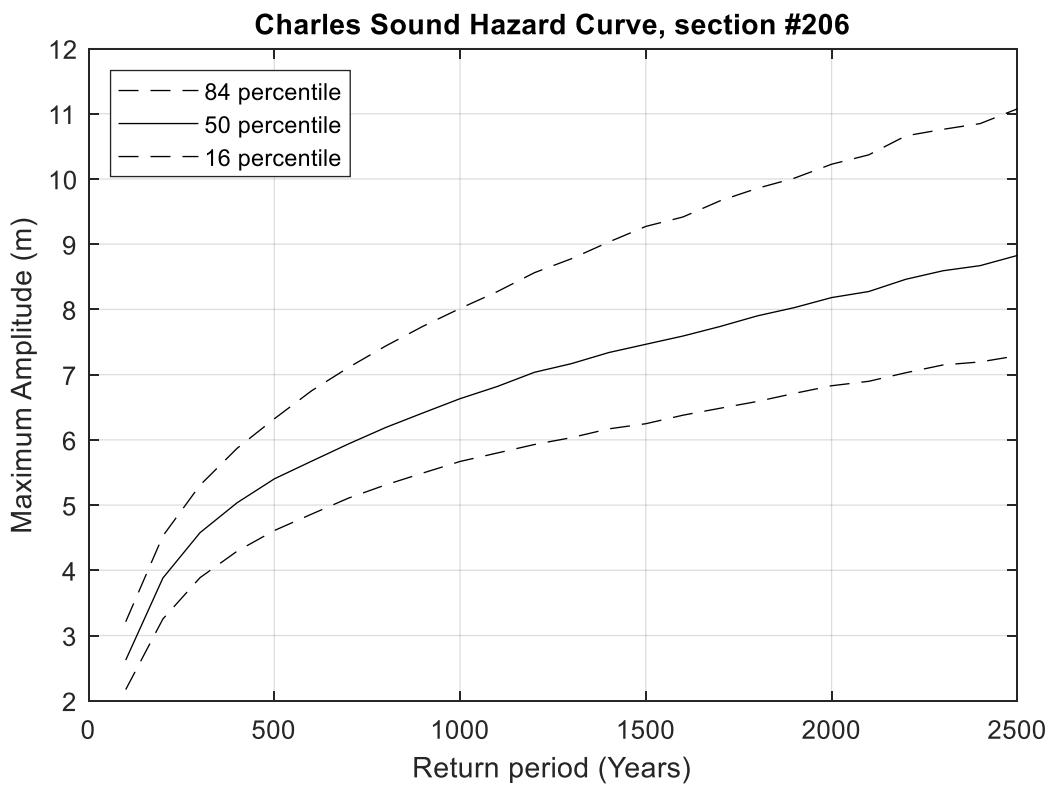
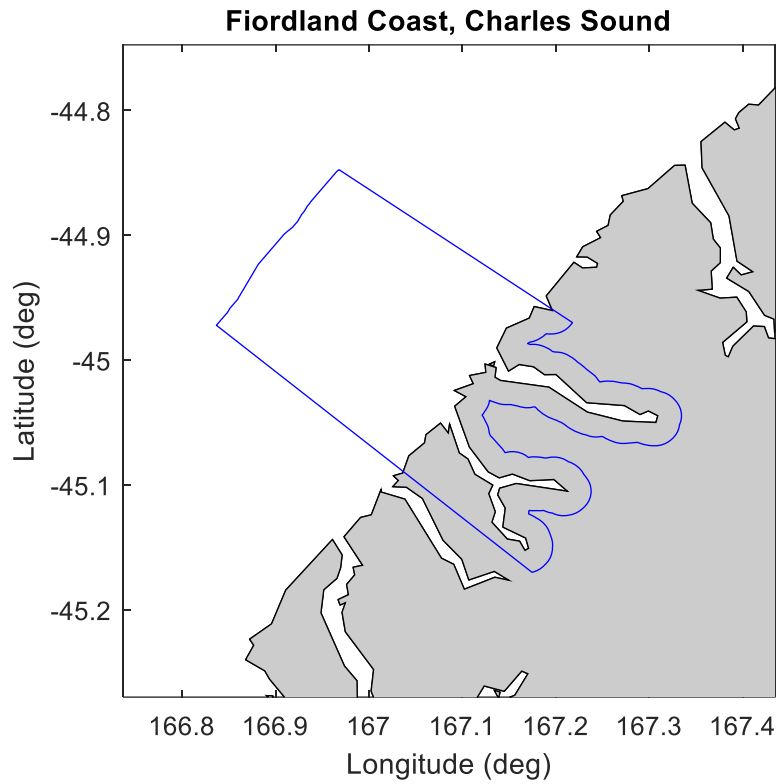
Deaggregation of Section:205, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.43 m



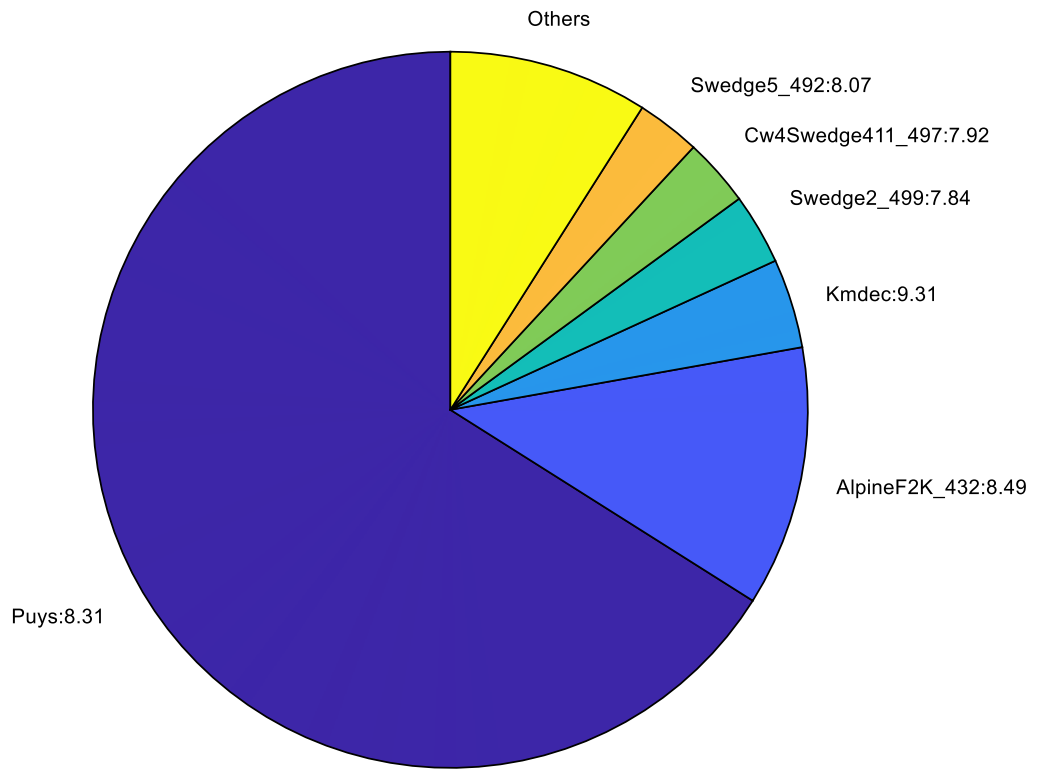
Deaggregation of Section:205, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:9.39 m



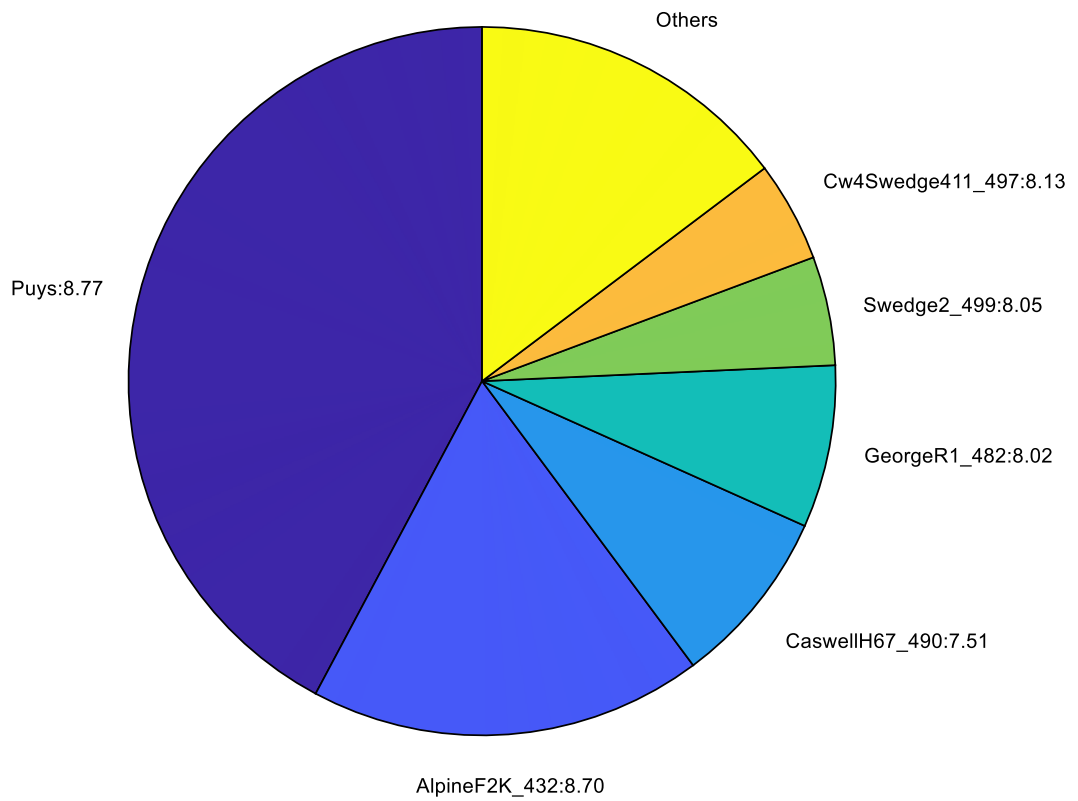
**A1.206 Coastal Section 206: Charles Sound**



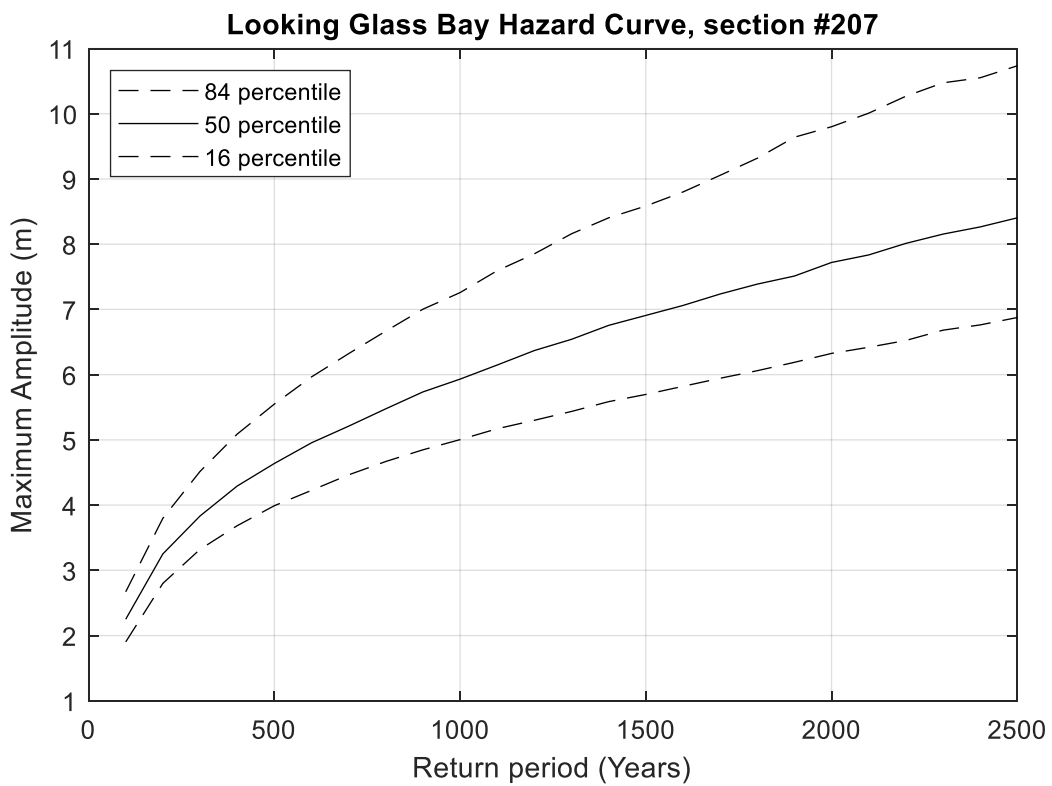
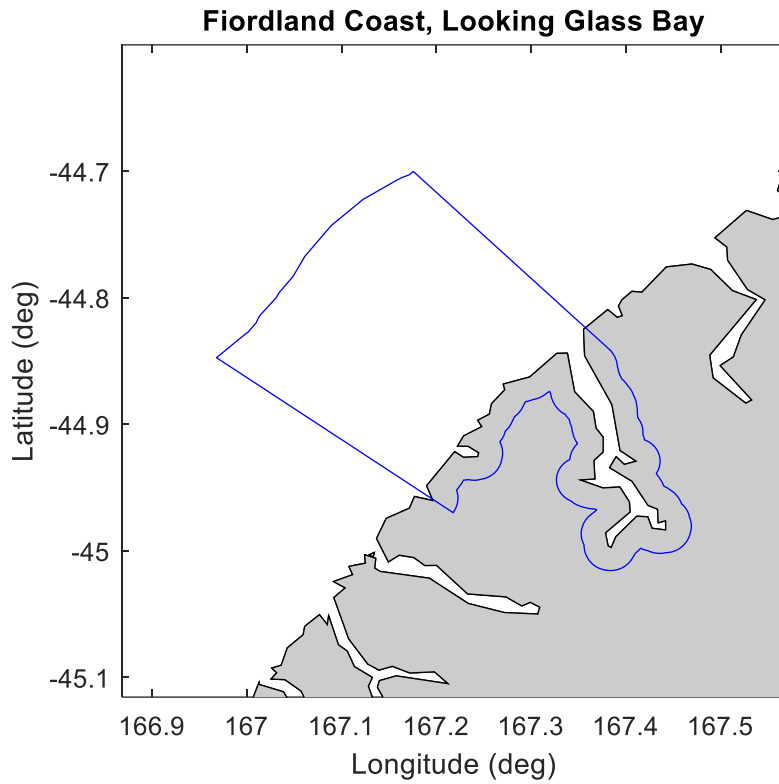
Deaggregation of Section:206, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.40 m



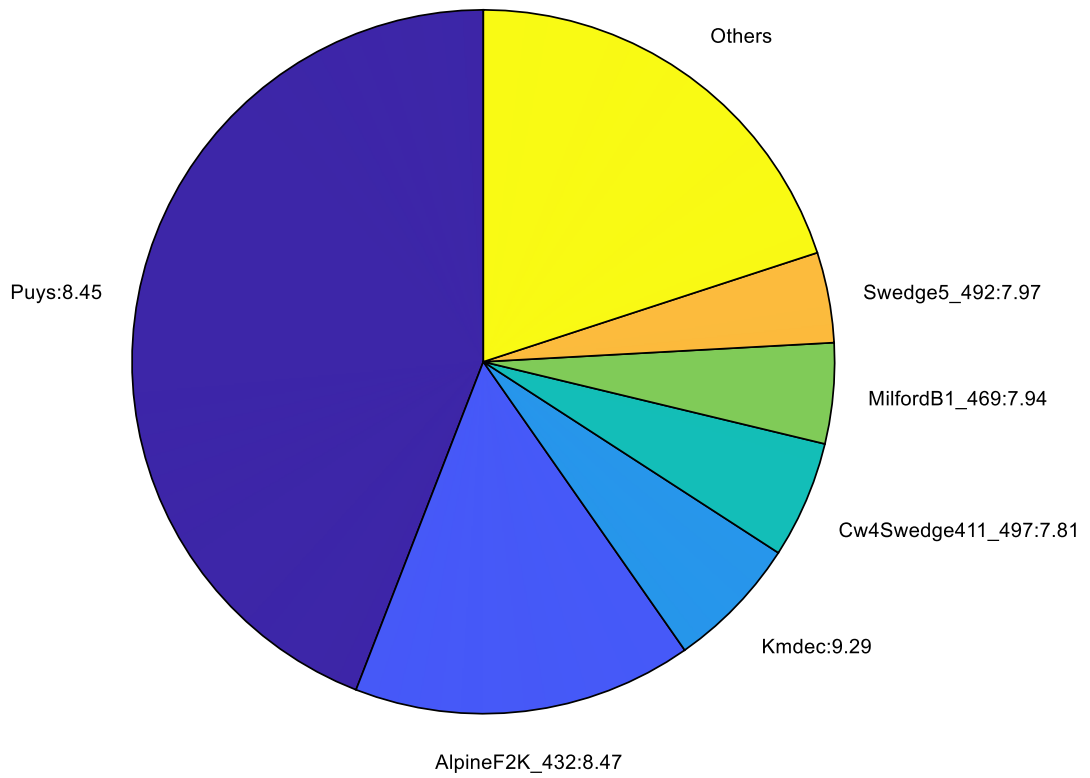
Deaggregation of Section:206, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.83 m



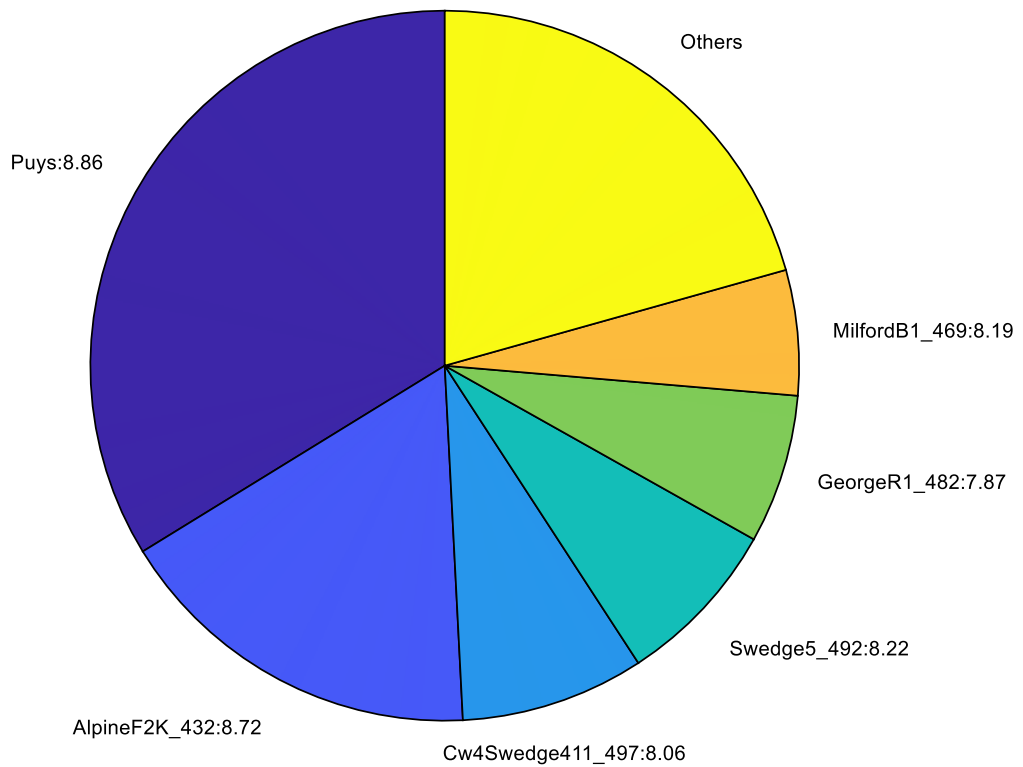
## A1.207 Coastal Section 207: Looking Glass Bay



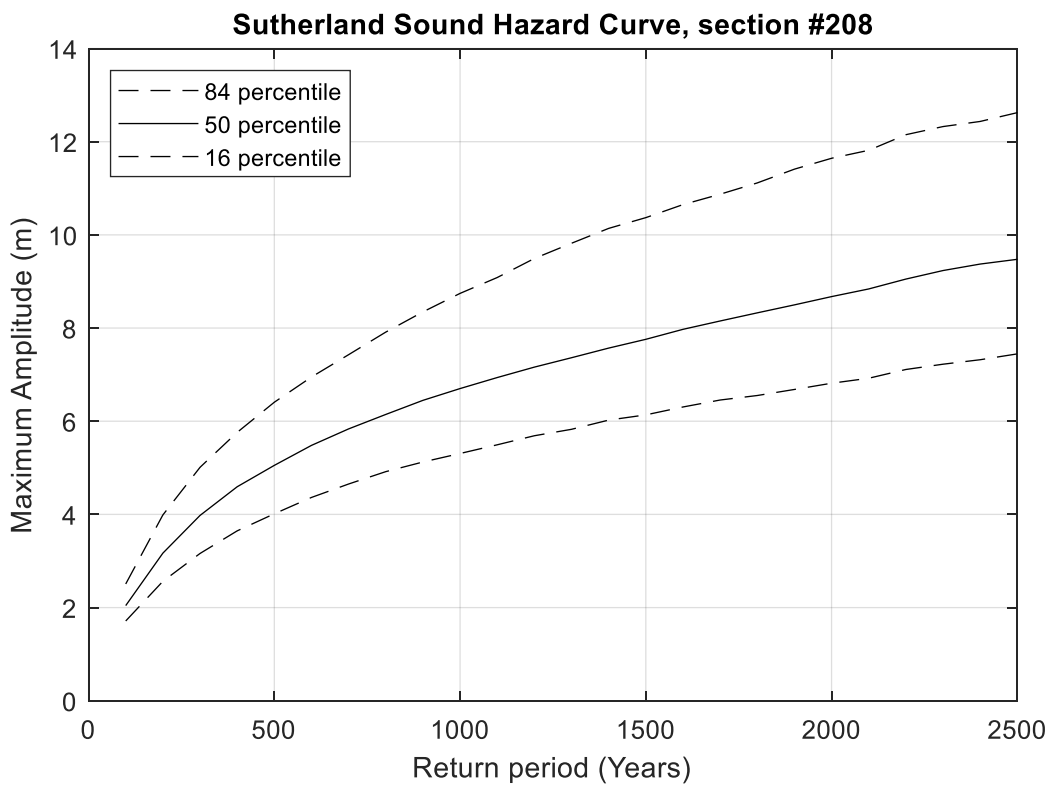
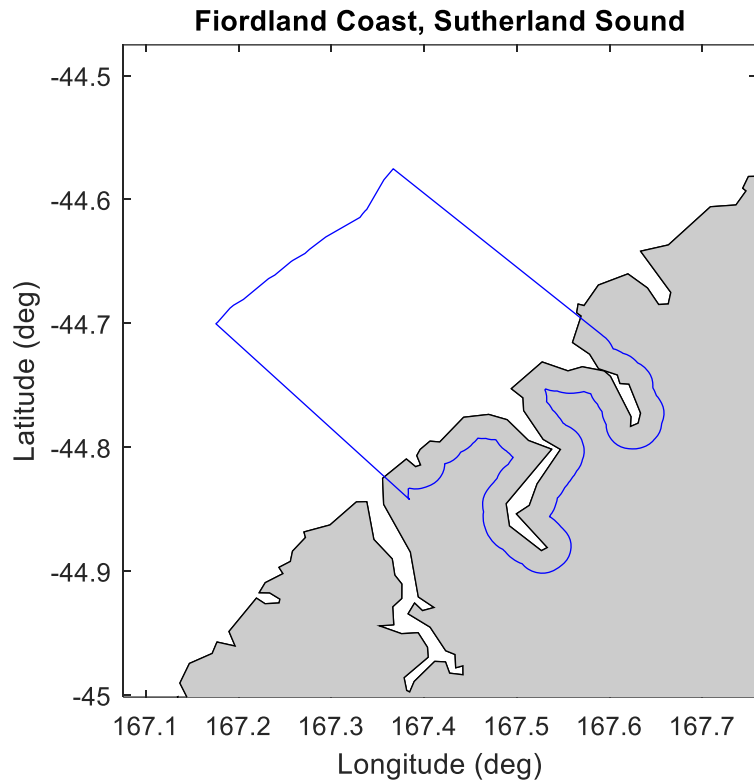
Deaggregation of Section:207, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.64 m



Deaggregation of Section:207, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.40 m

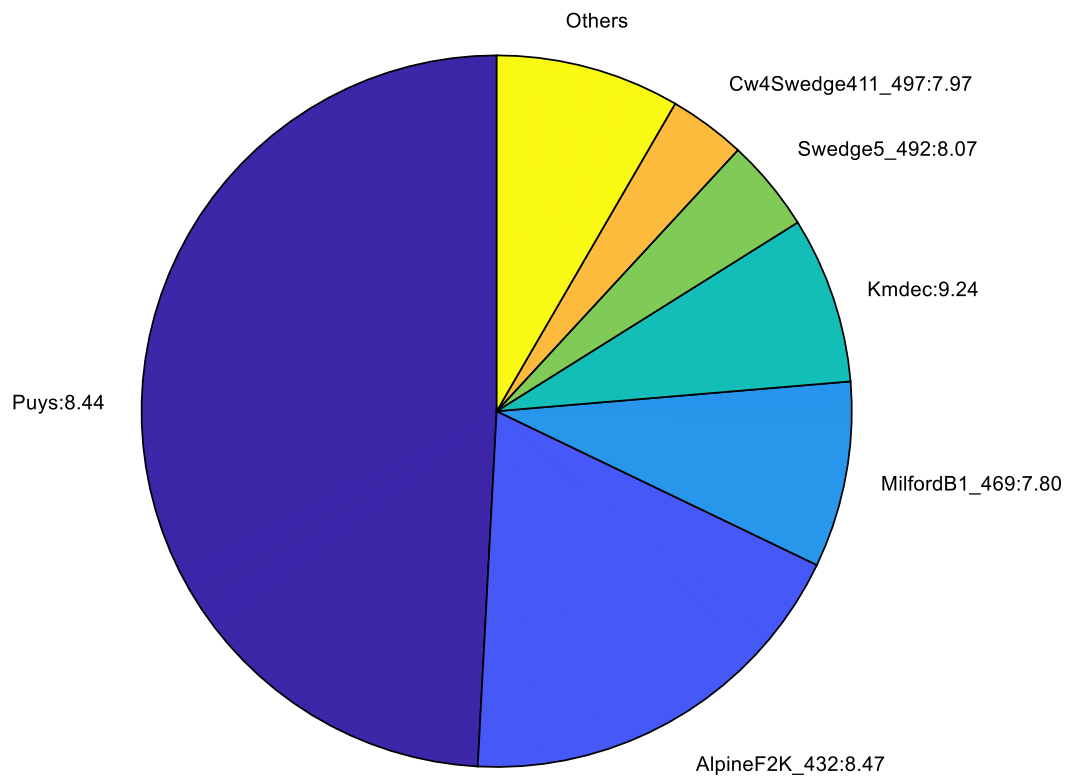


**A1.208 Coastal Section 208: Sutherland Sound**

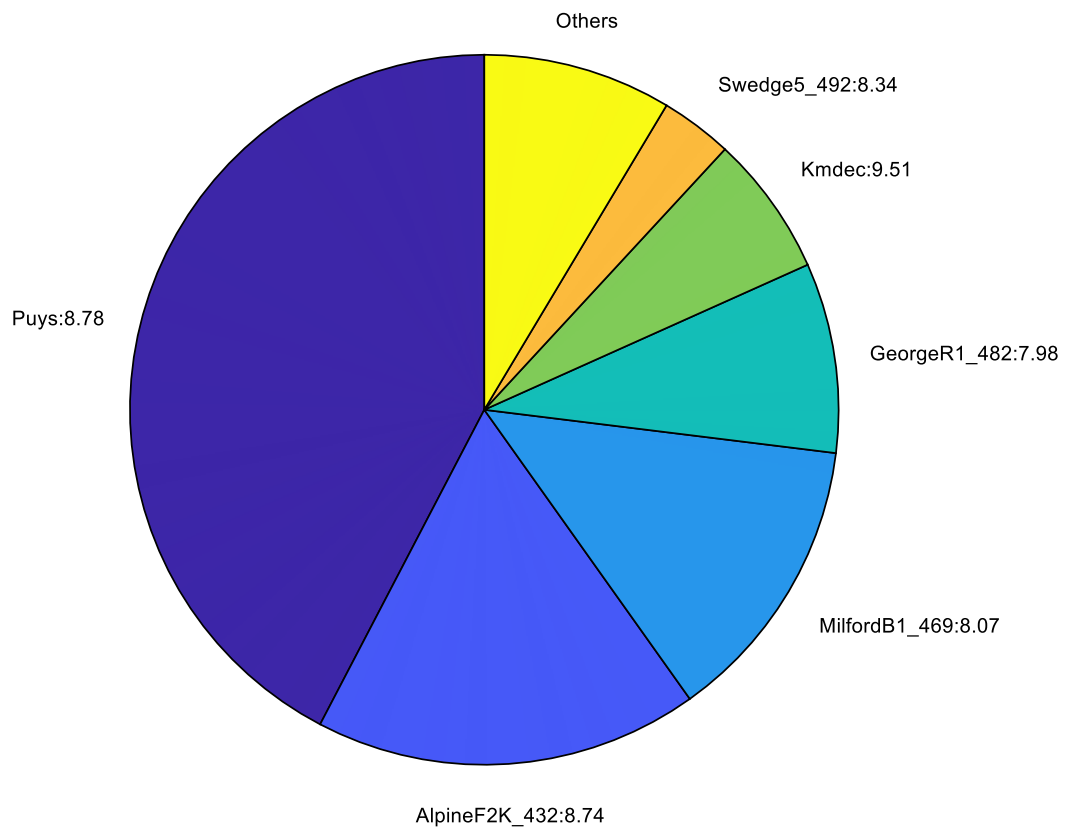




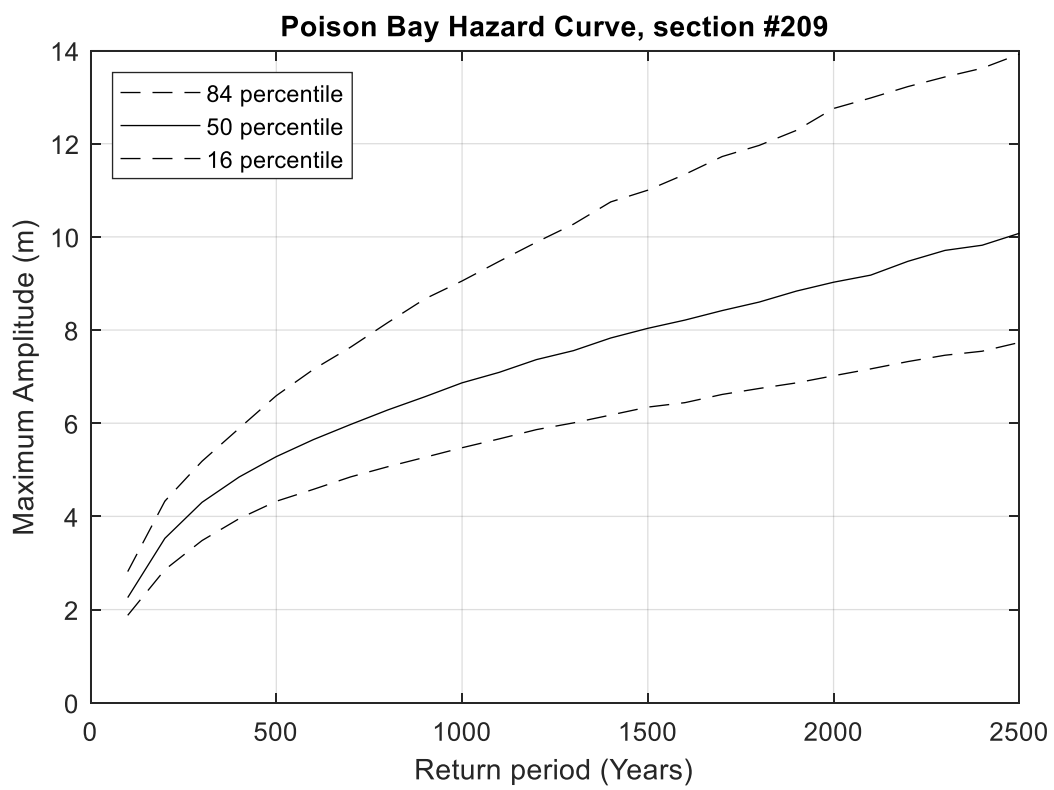
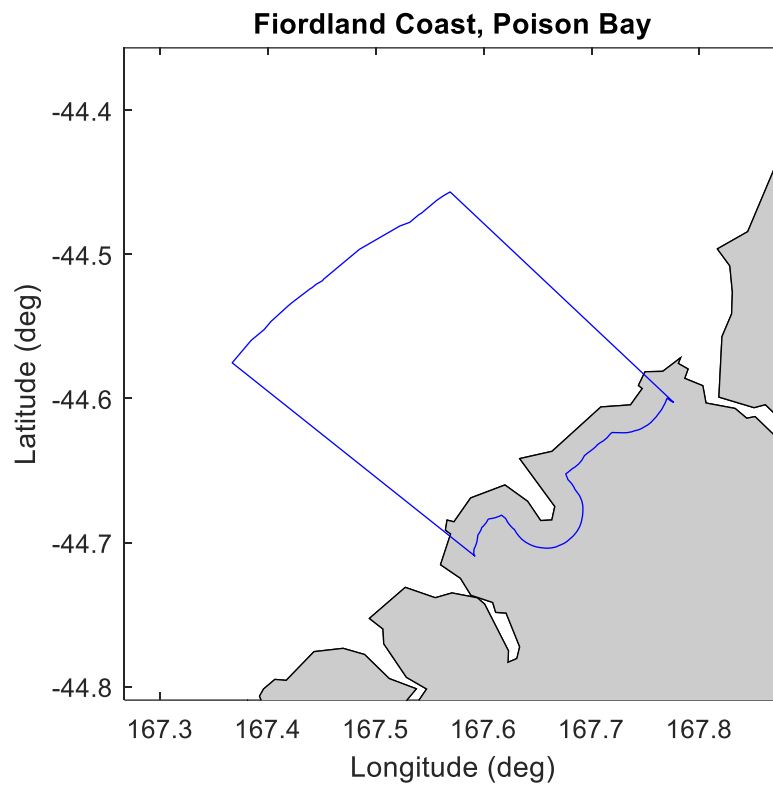
Deaggregation of Section:208, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.05 m



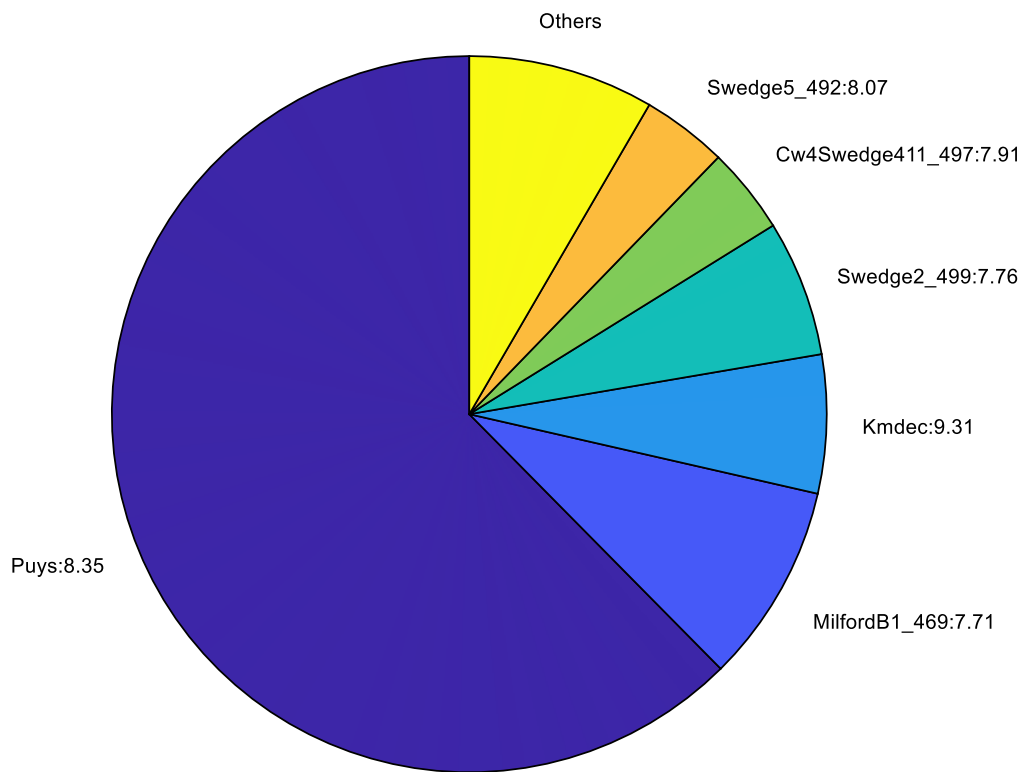
Deaggregation of Section:208, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:9.47 m



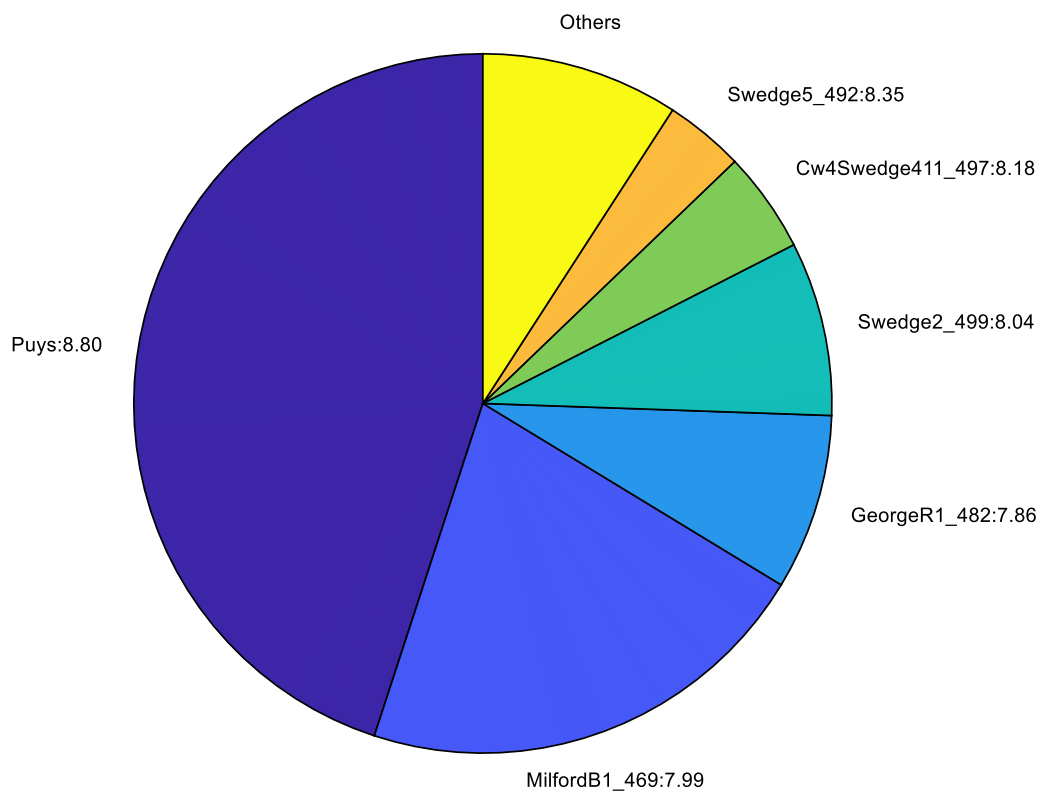
## A1.209 Coastal Section 209: Poison Bay



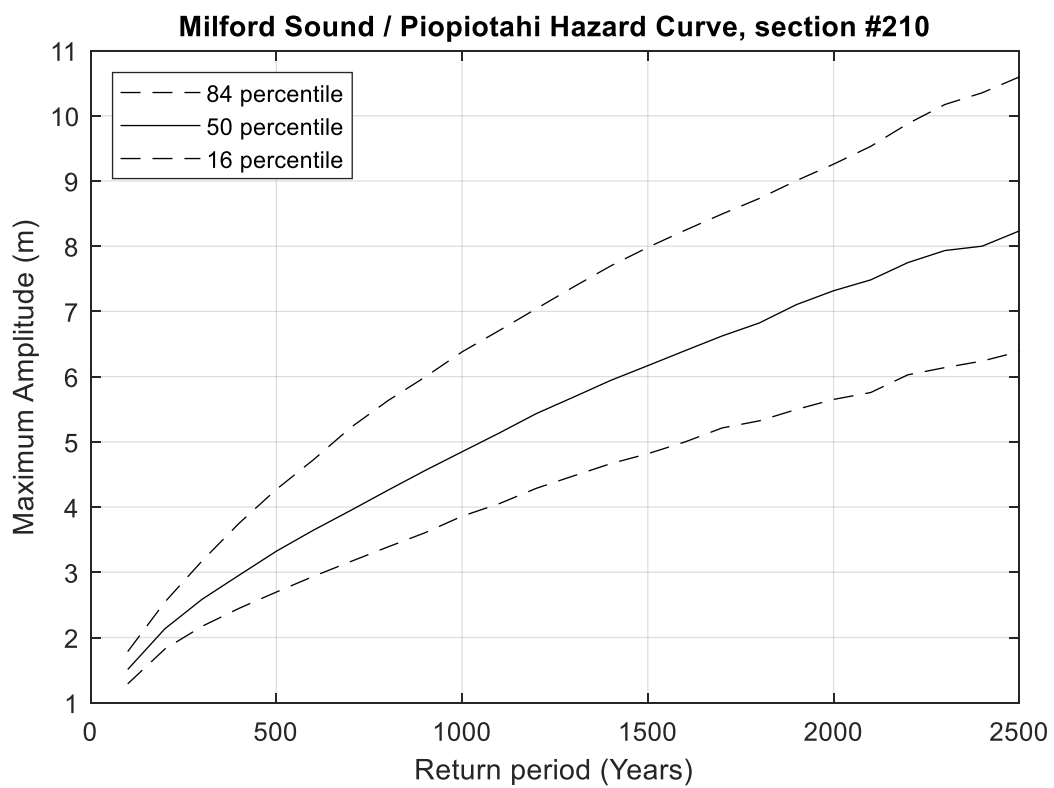
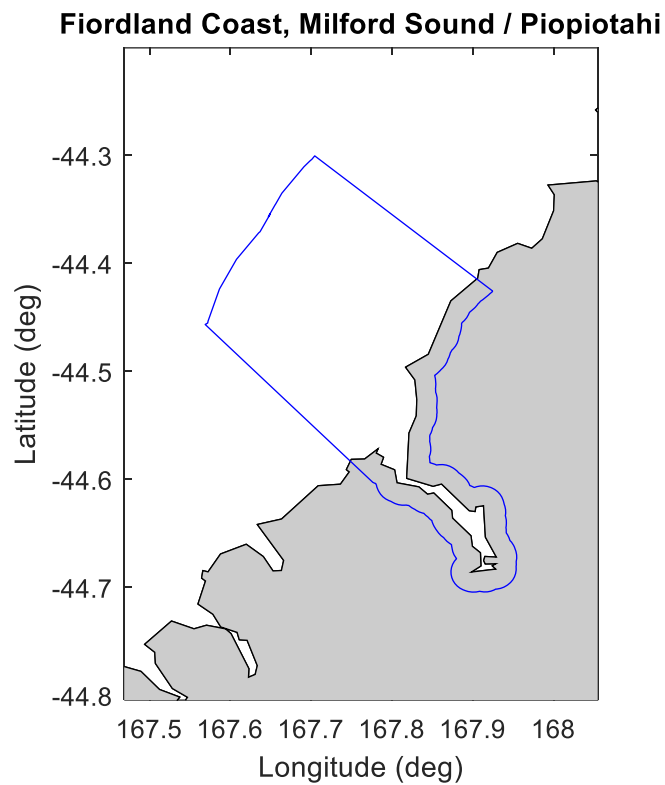
Deaggregation of Section:209, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.28 m



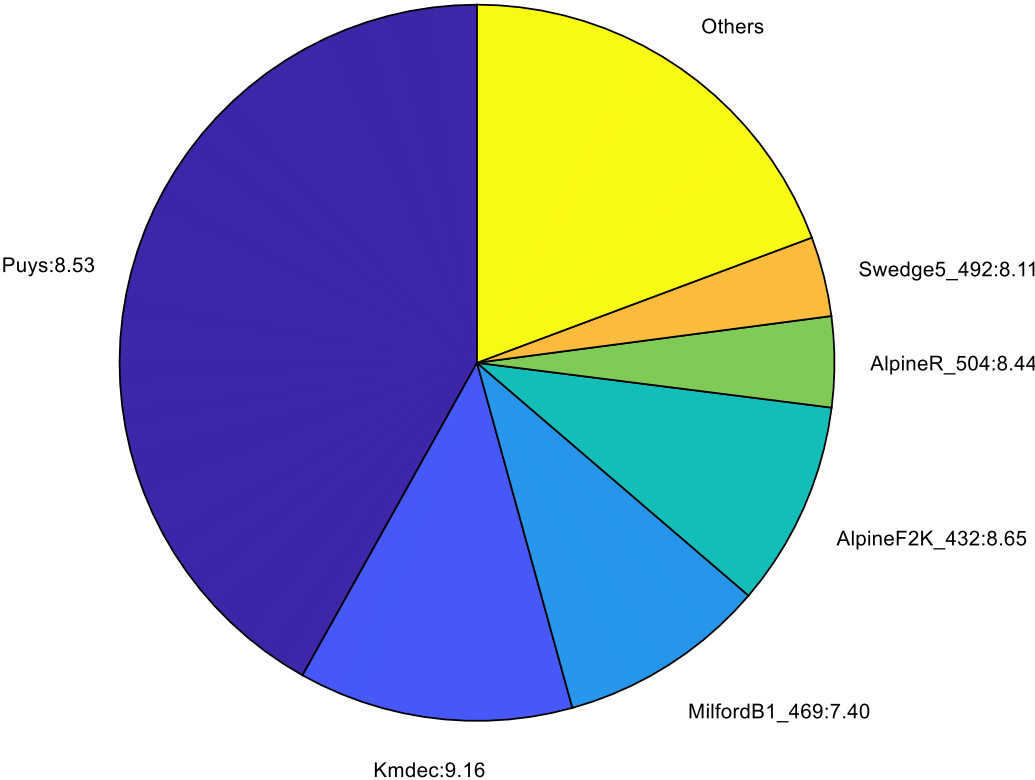
Deaggregation of Section:209, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:10.06 m



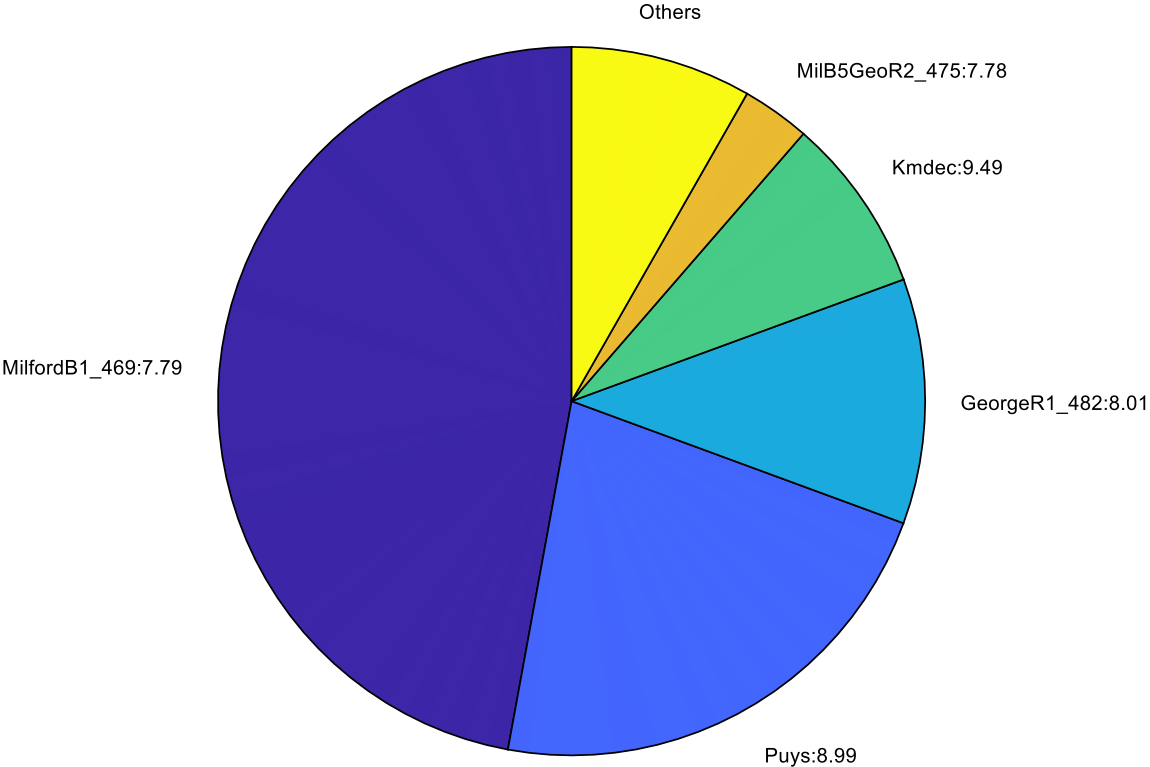
## A1.210 Coastal Section 210: Milford Sound / Piopiotahi



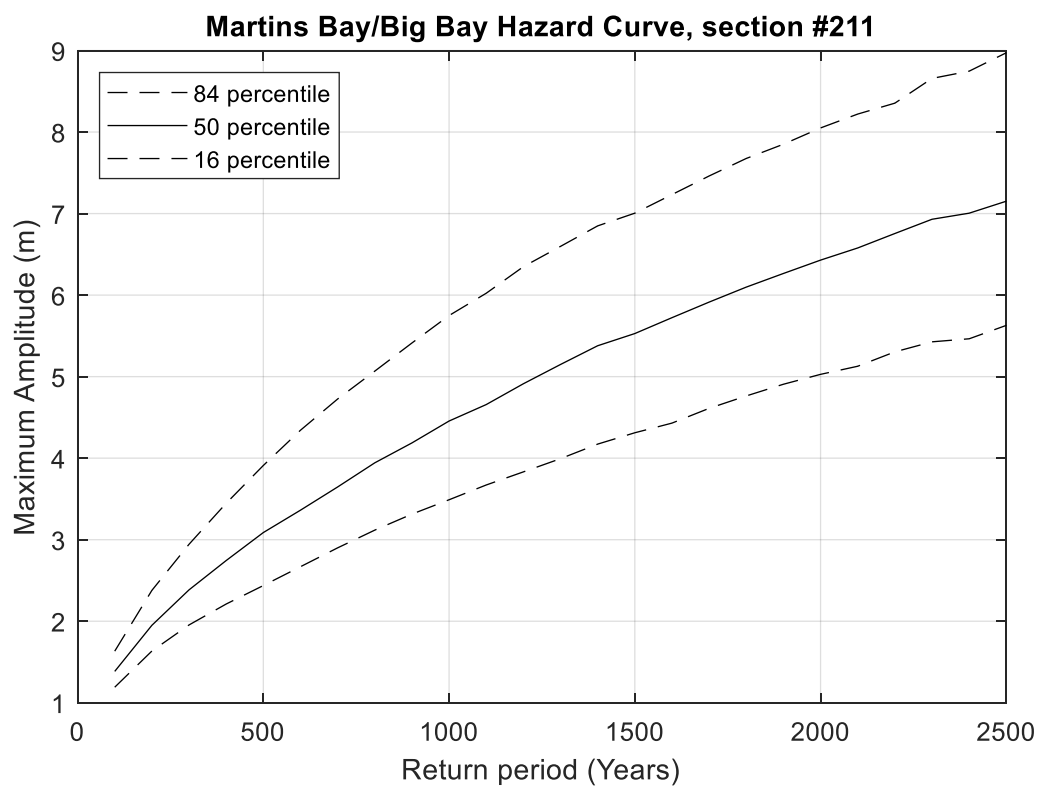
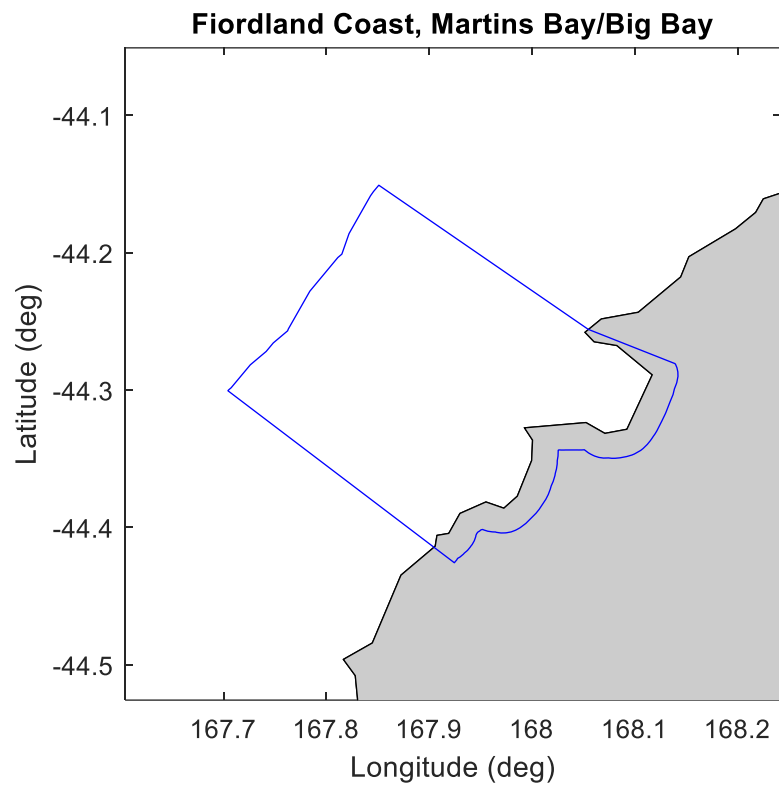
Deaggregation of Section:210, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.32 m



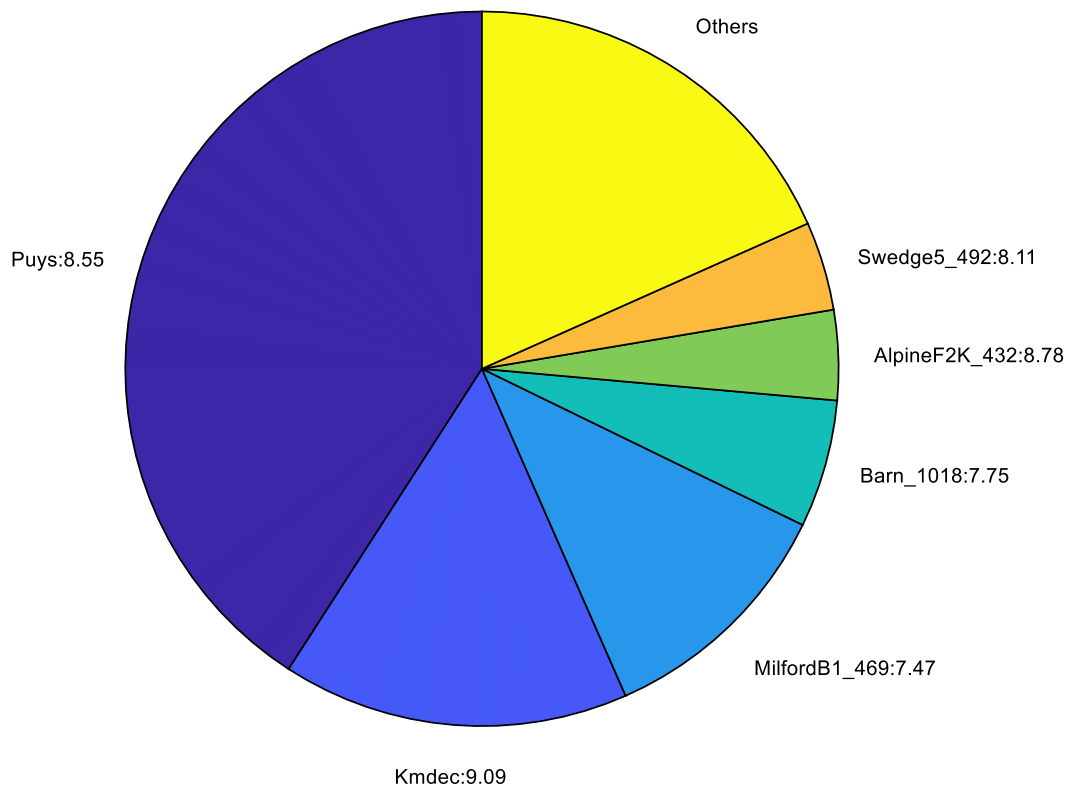
Deaggregation of Section:210, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.22 m



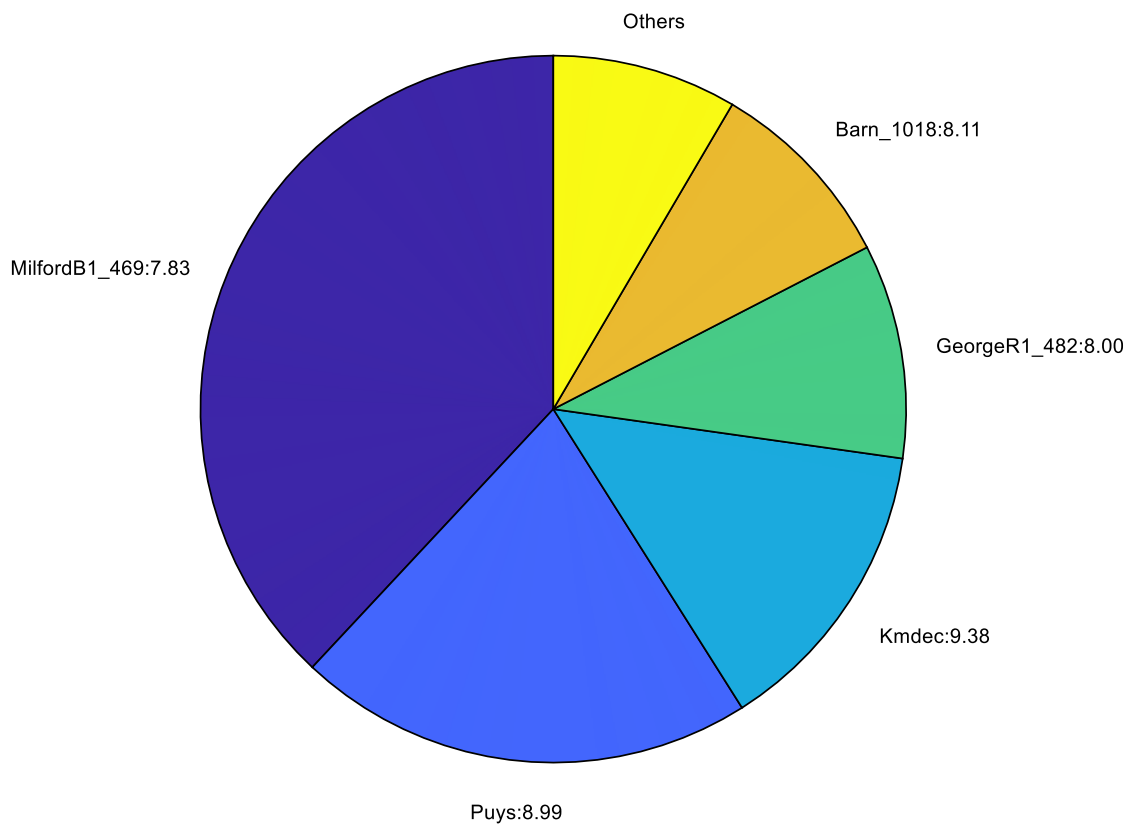
## A1.211 Coastal Section 211: Martins Bay / Big Bay



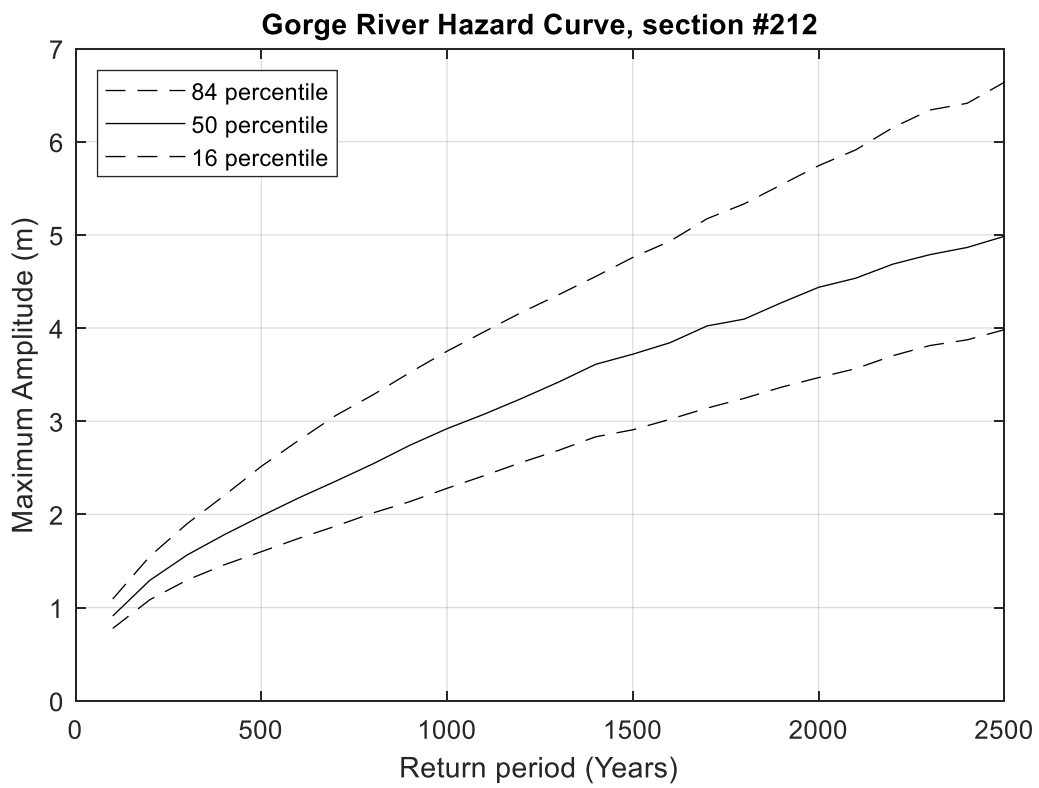
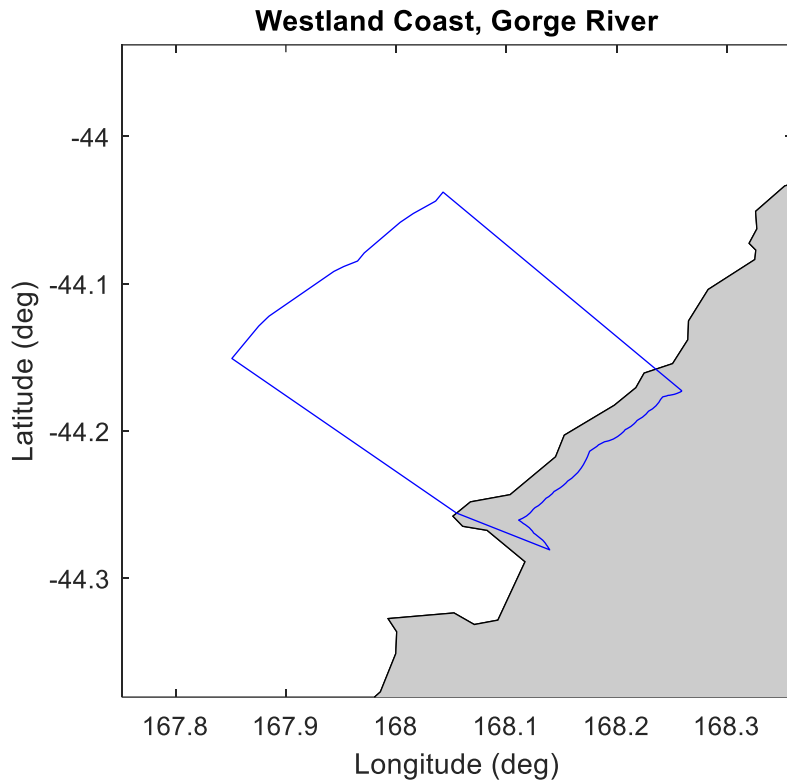
Deaggregation of Section:211, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.09 m



Deaggregation of Section:211, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.15 m

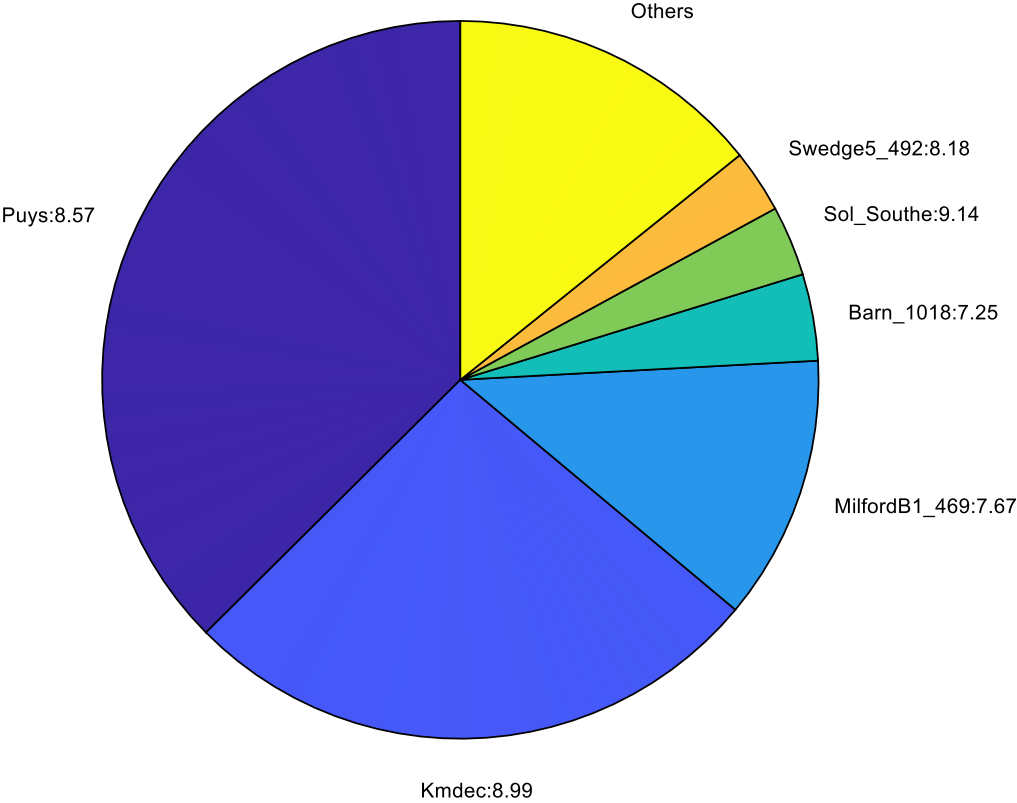


## A1.212 Coastal Section 212: Gorge River

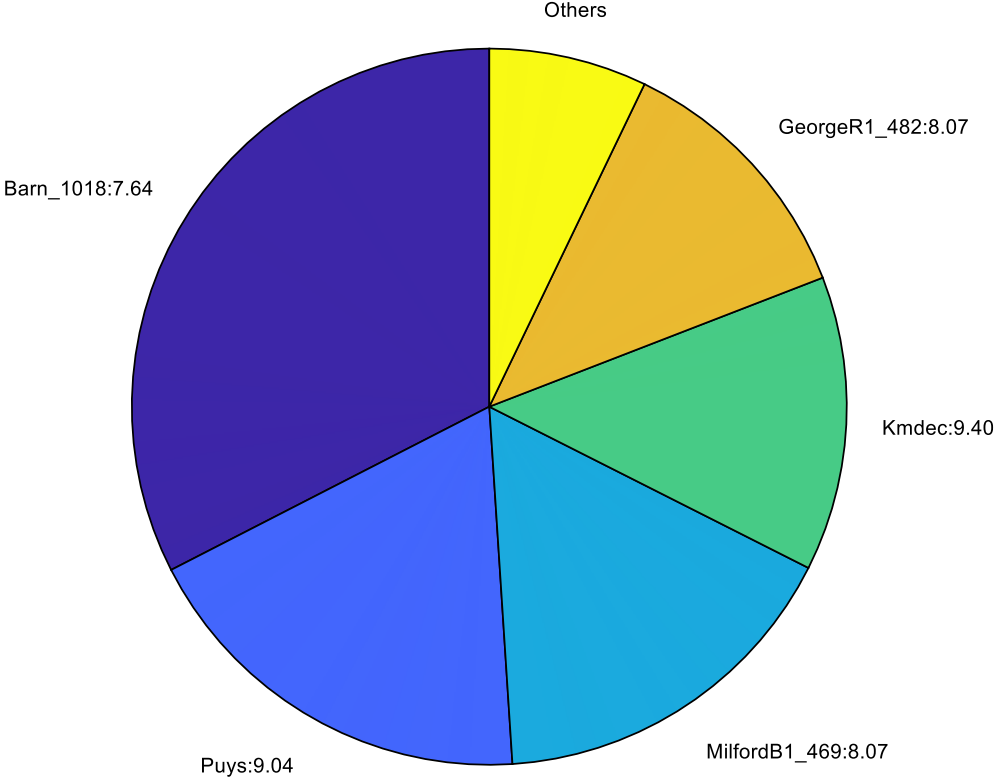




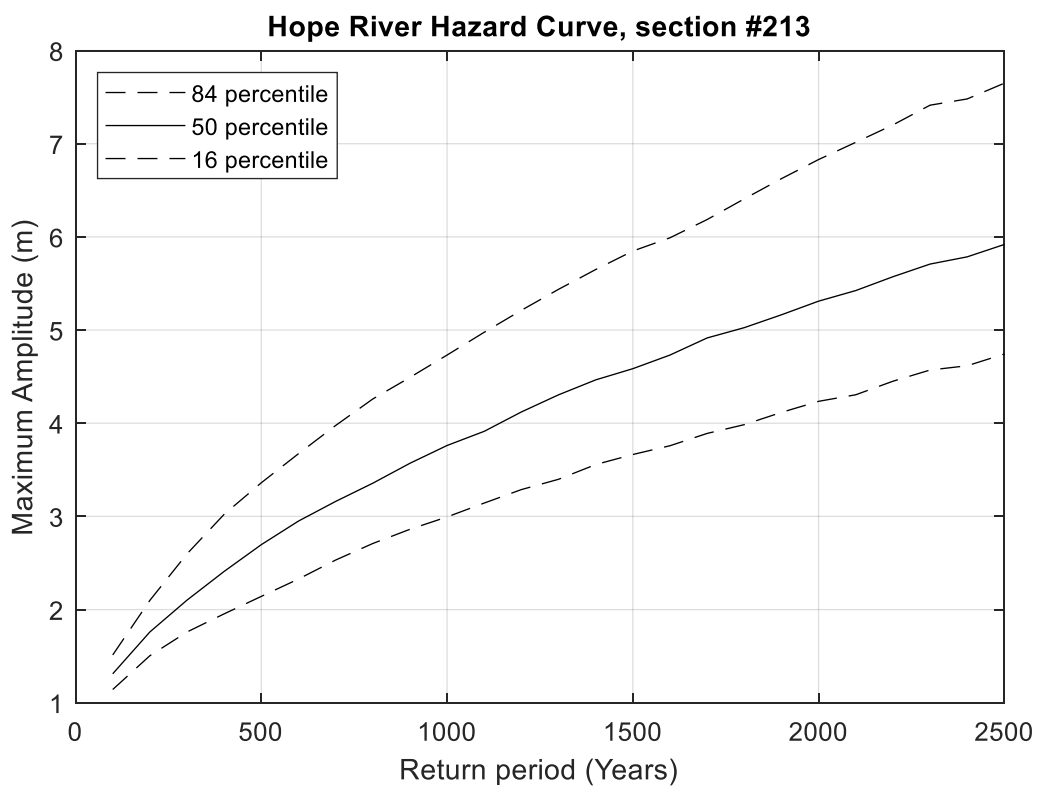
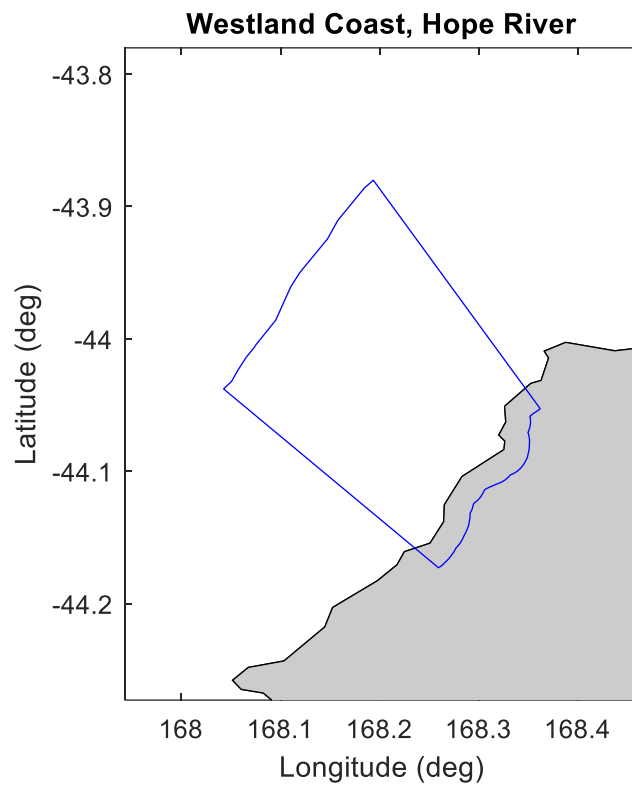
Deaggregation of Section:212, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:1.98 m



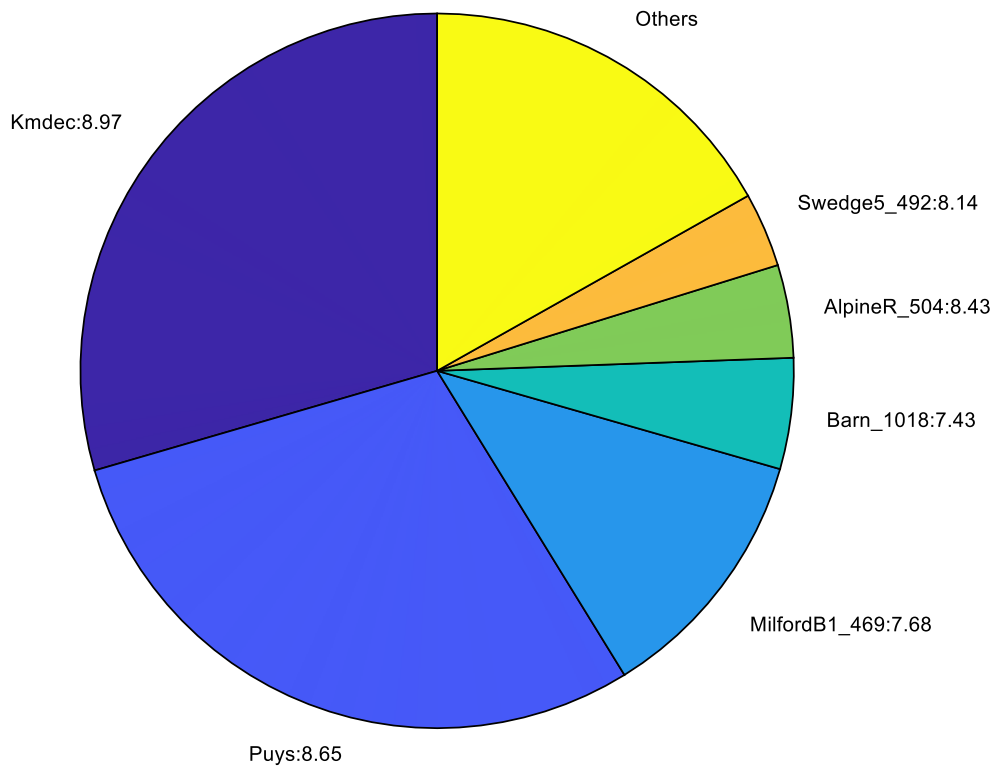
Deaggregation of Section:212, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.98 m



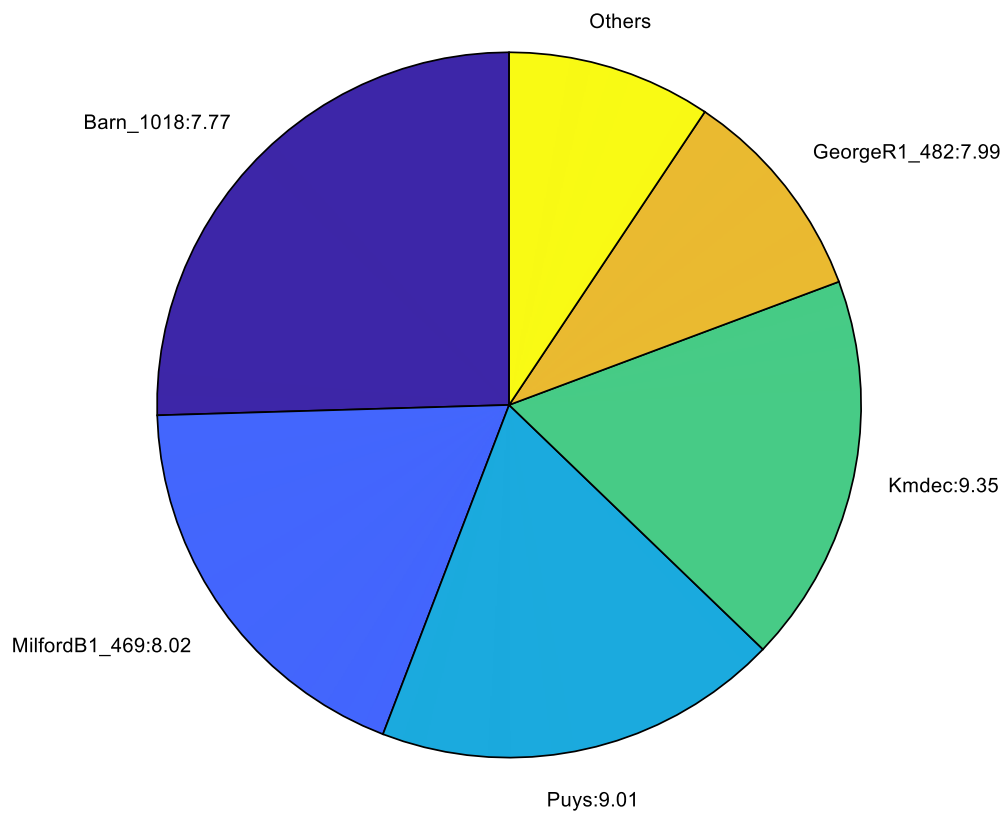
### A1.213 Coastal Section 213: Hope River



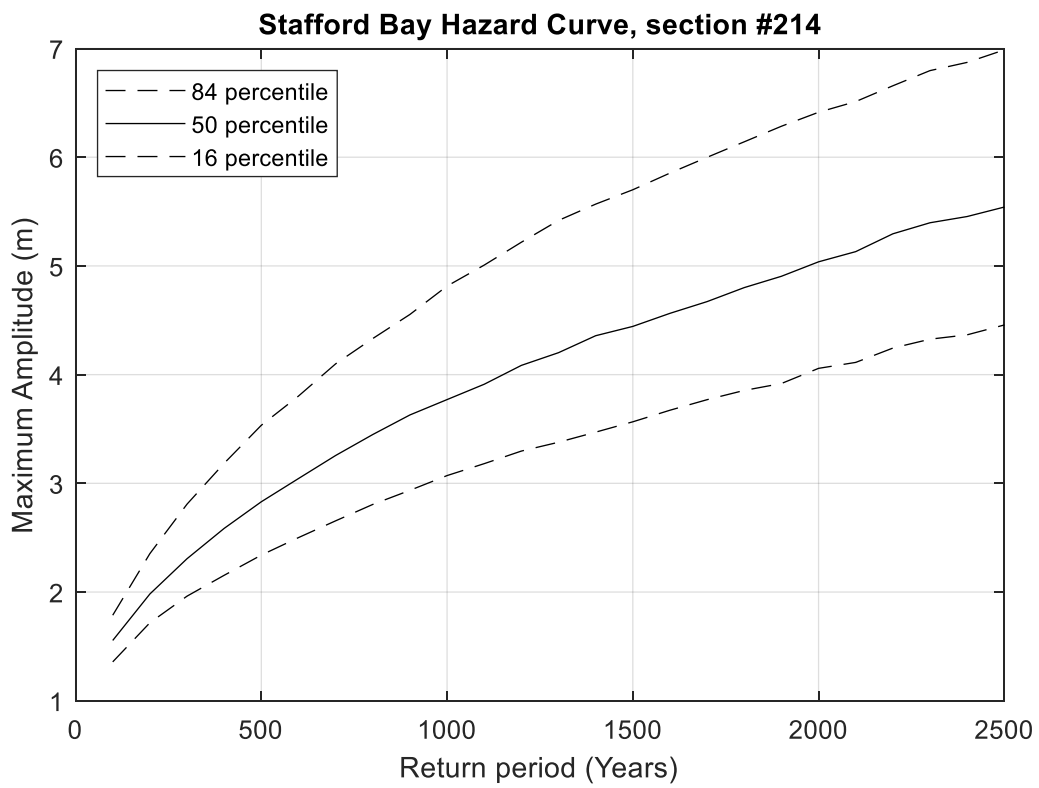
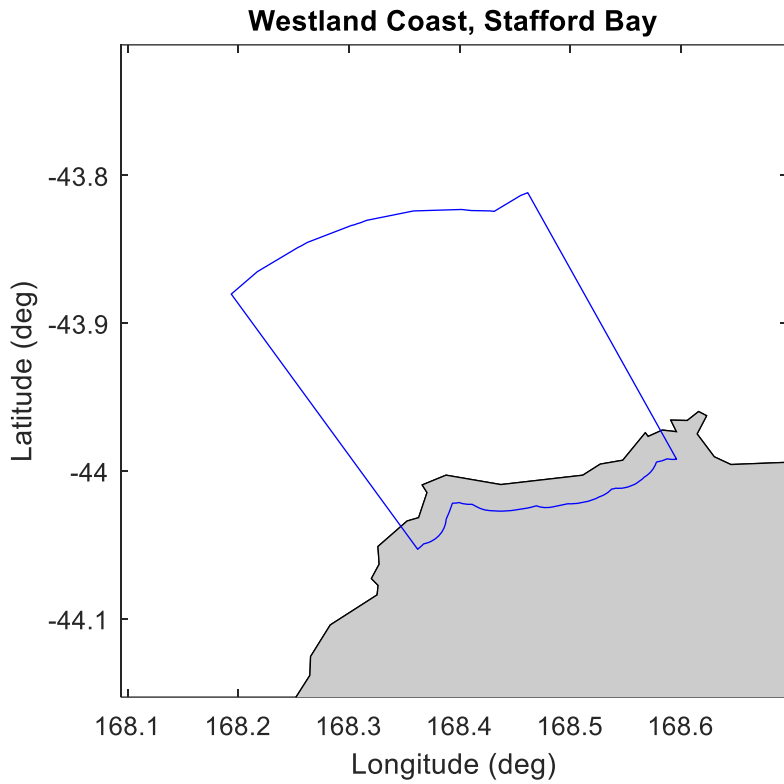
Deaggregation of Section:213, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.70 m



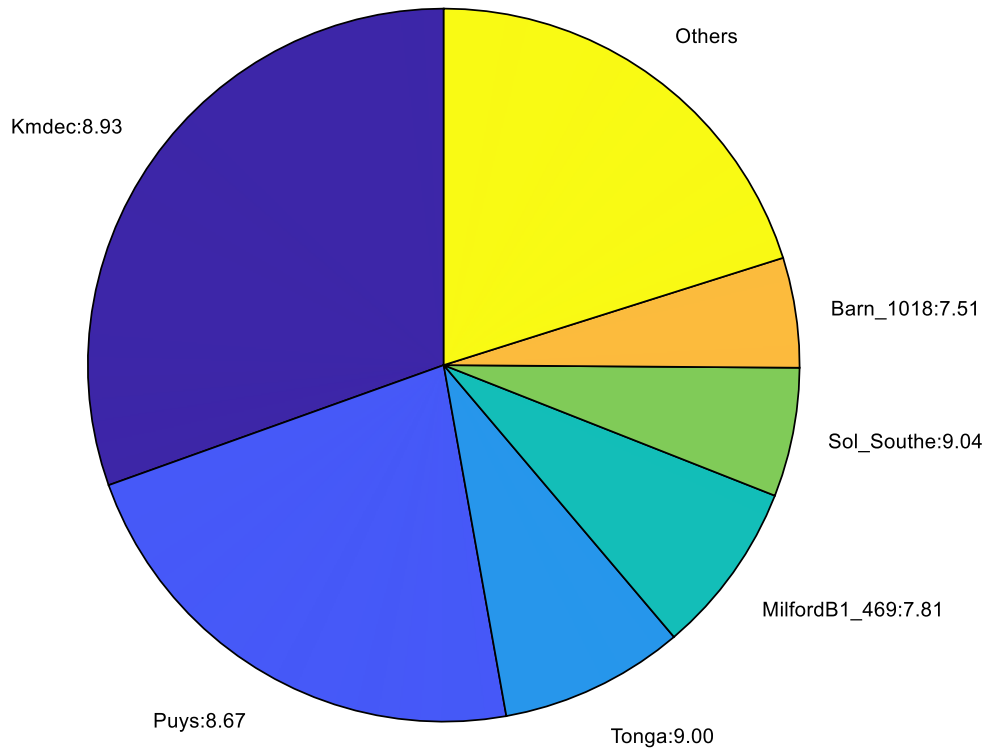
Deaggregation of Section:213, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.92 m



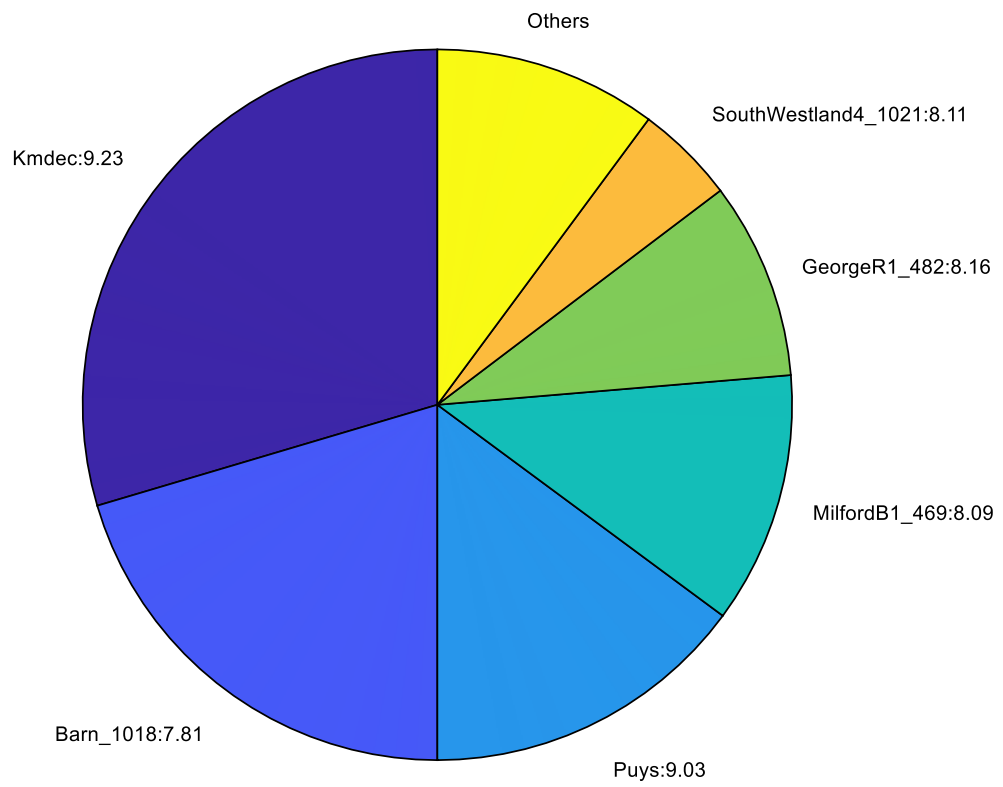
## A1.214 Coastal Section 214: Stafford Bay



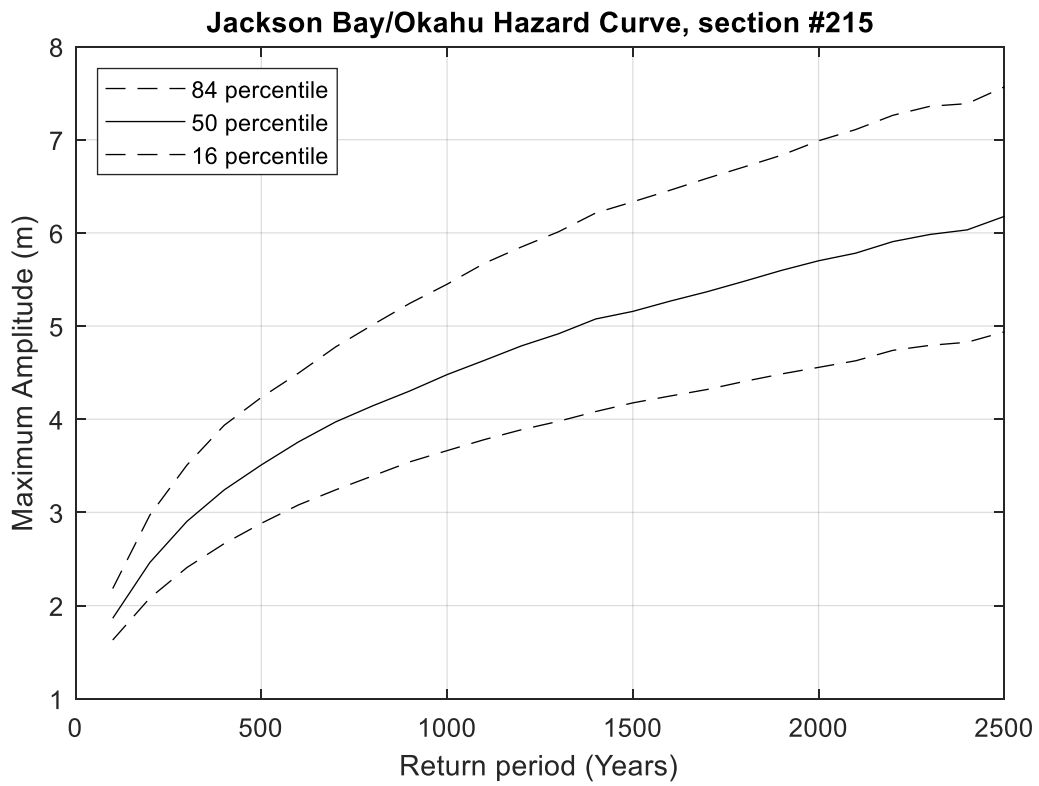
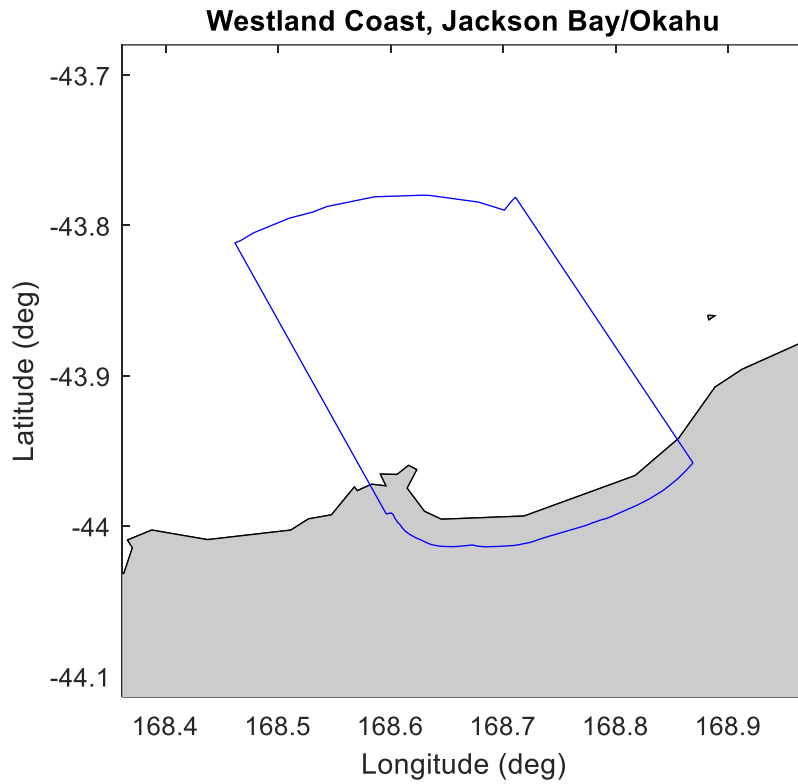
Deaggregation of Section:214, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.83 m



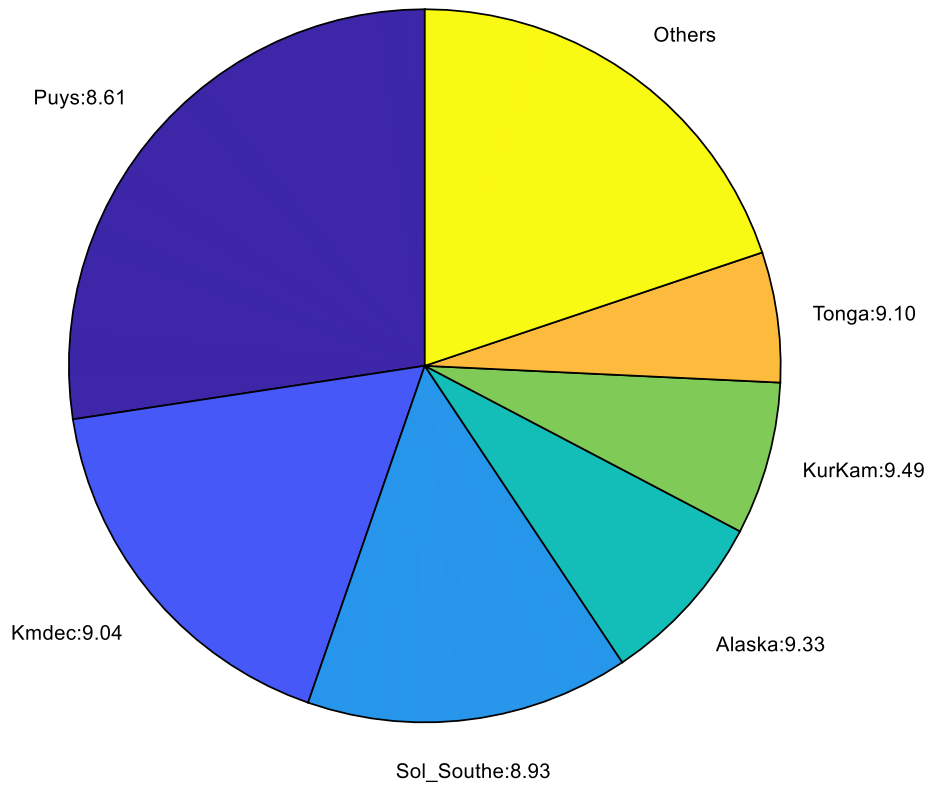
Deaggregation of Section:214, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.54 m



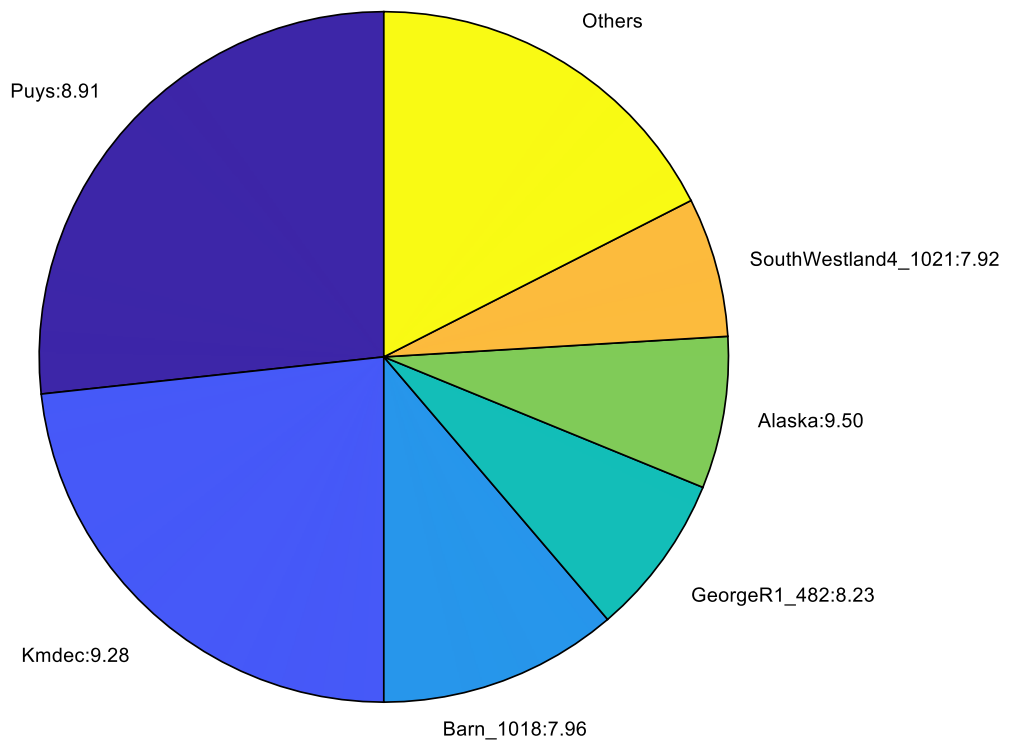
# A1.215 Coastal Section 215: Jackson Bay / Okahu



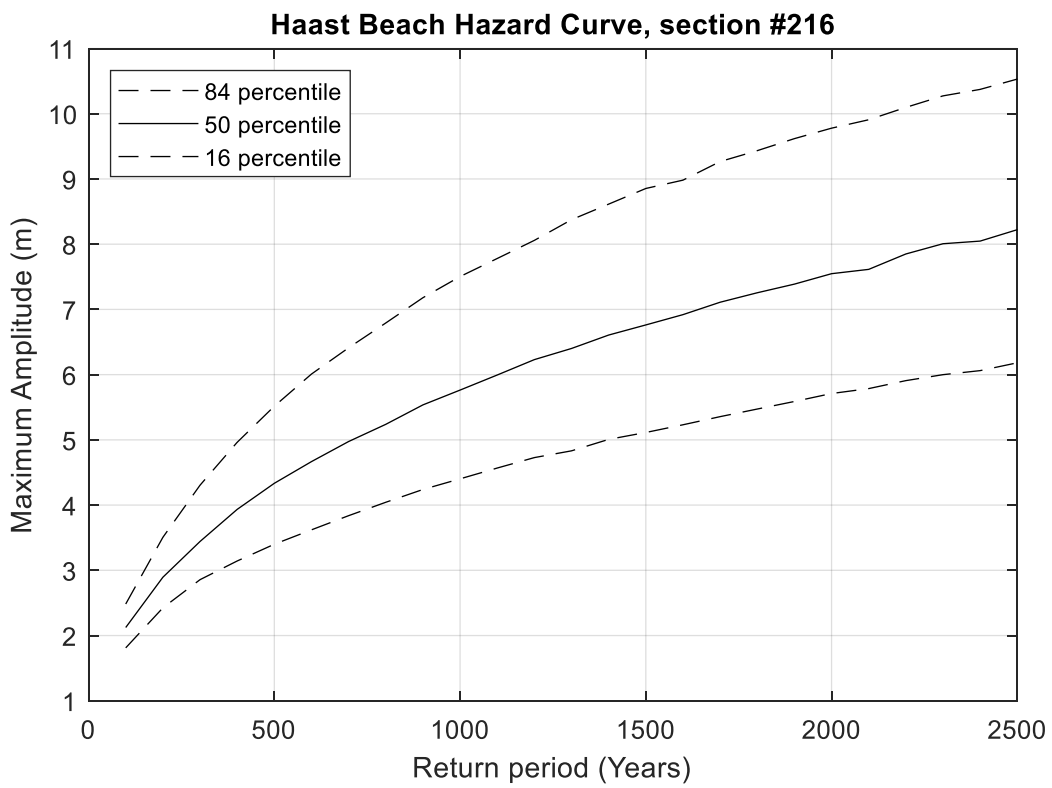
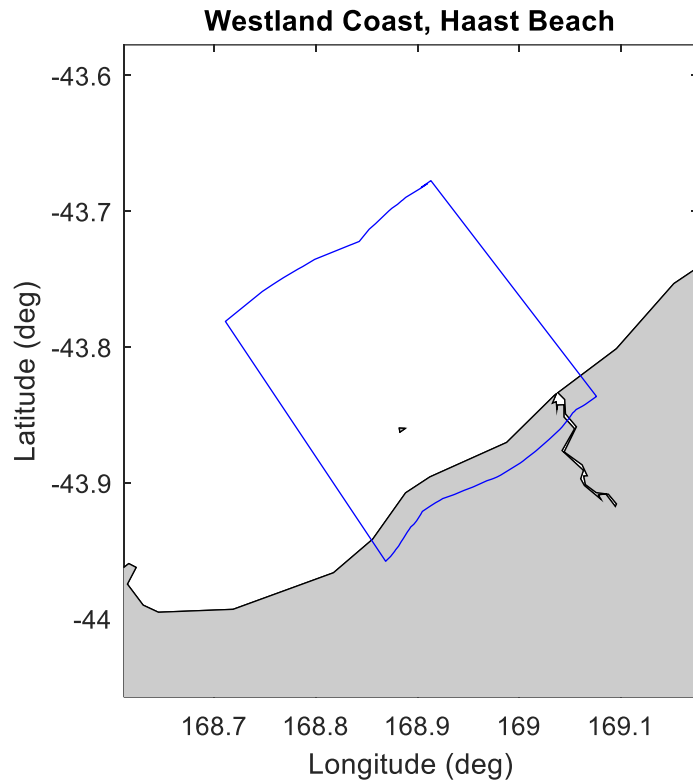
Deaggregation of Section:215, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.51 m



Deaggregation of Section:215, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.17 m

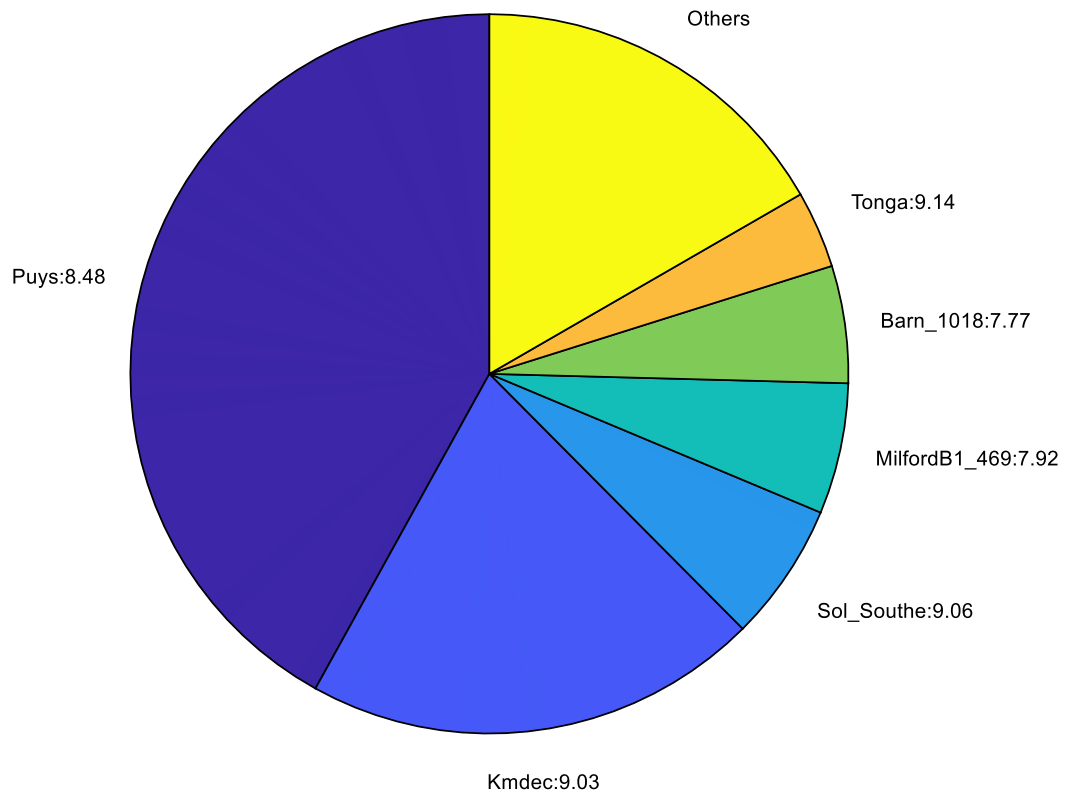


## A1.216 Coastal Section 216: Haast Beach

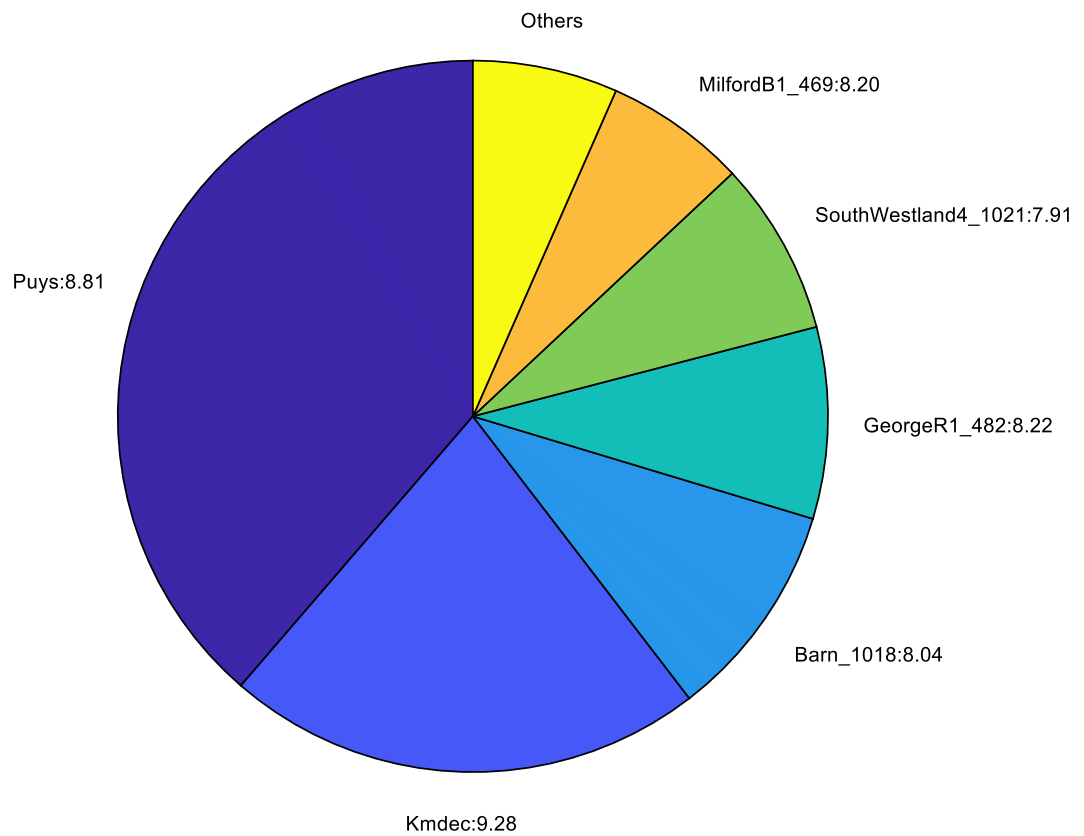




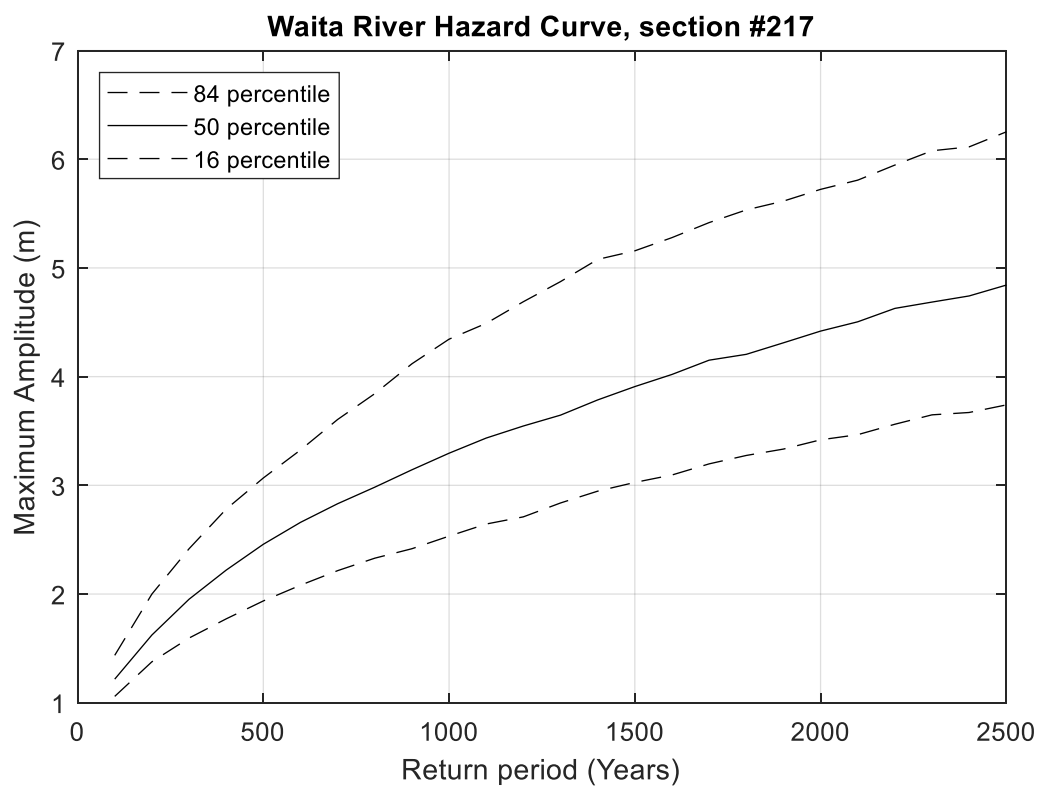
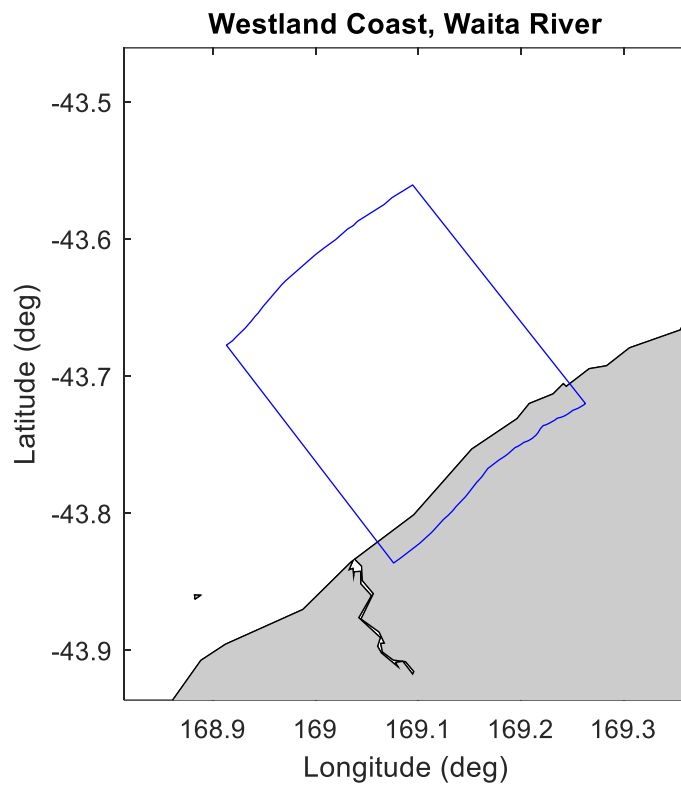
Deaggregation of Section:216, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.33 m



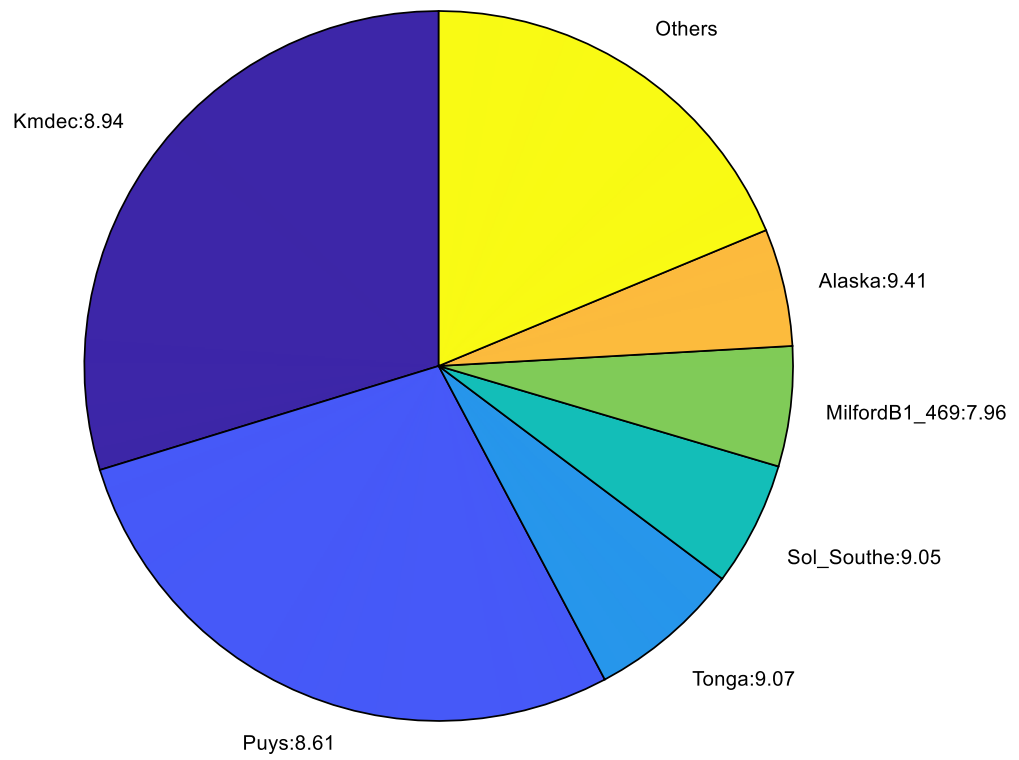
Deaggregation of Section:216, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.22 m



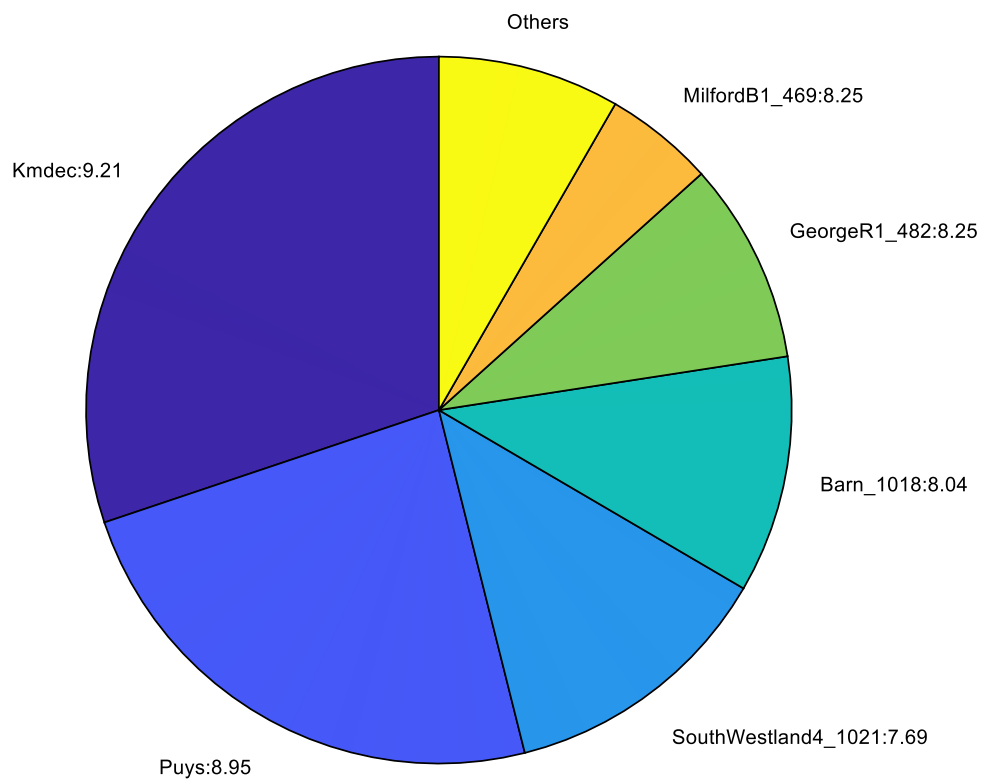
## A1.217 Coastal Section 217: Waita River



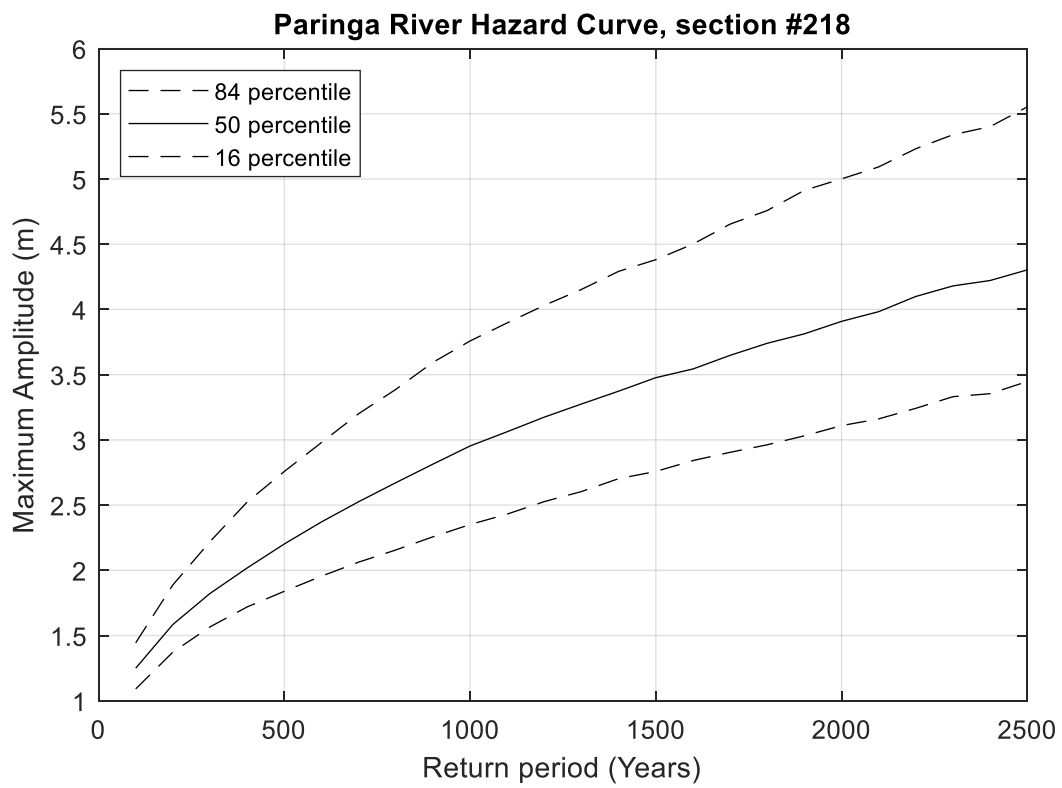
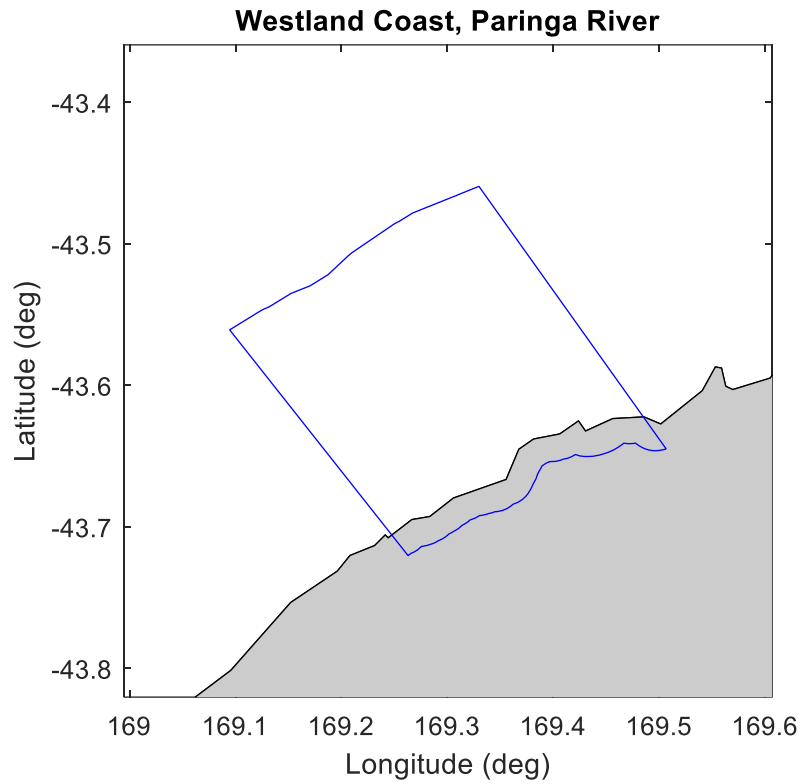
Deaggregation of Section:217, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.46 m



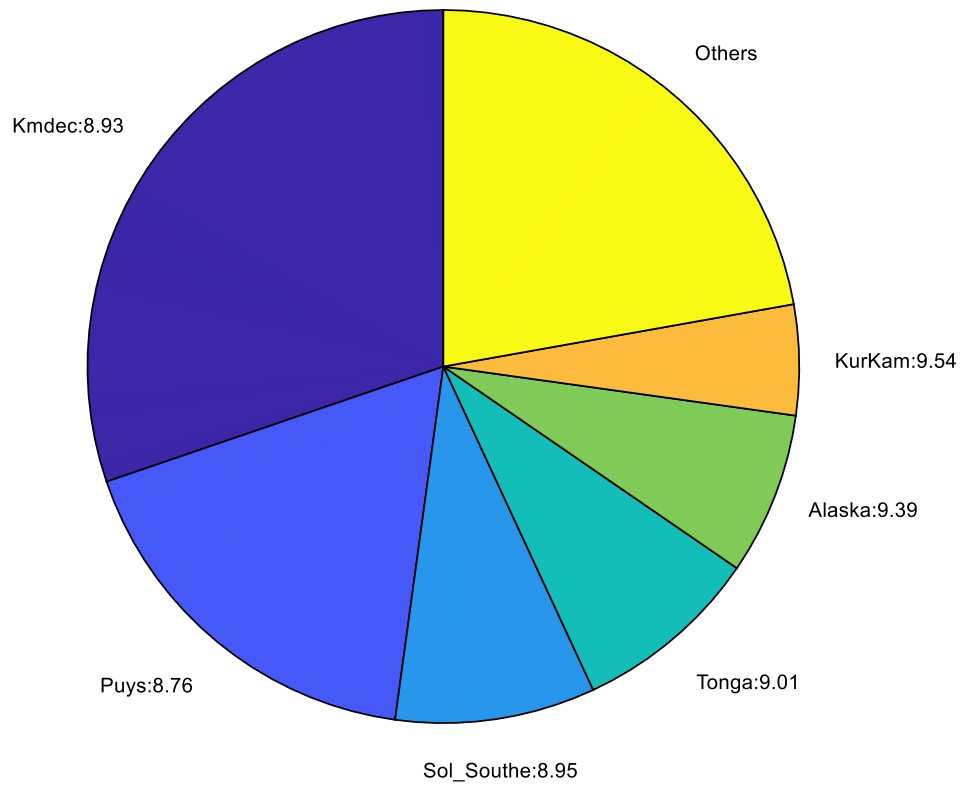
Deaggregation of Section:217, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.84 m



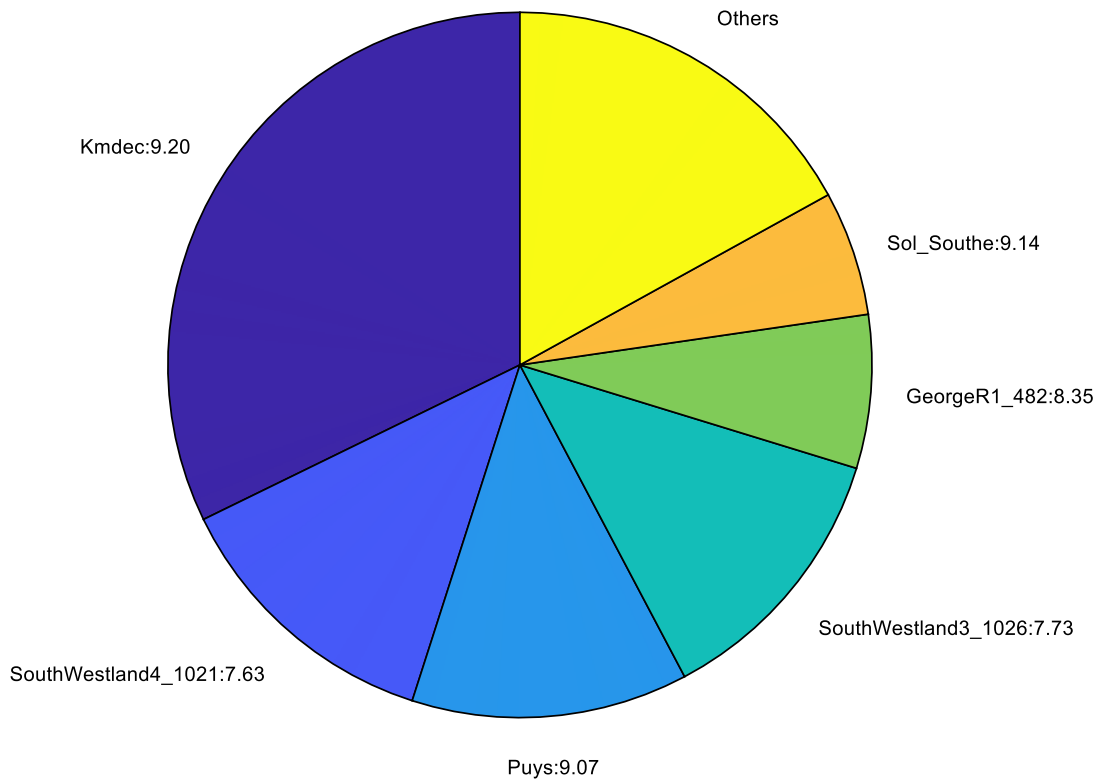
## A1.218 Coastal Section 218: Paringa River



Deaggregation of Section:218, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.20 m

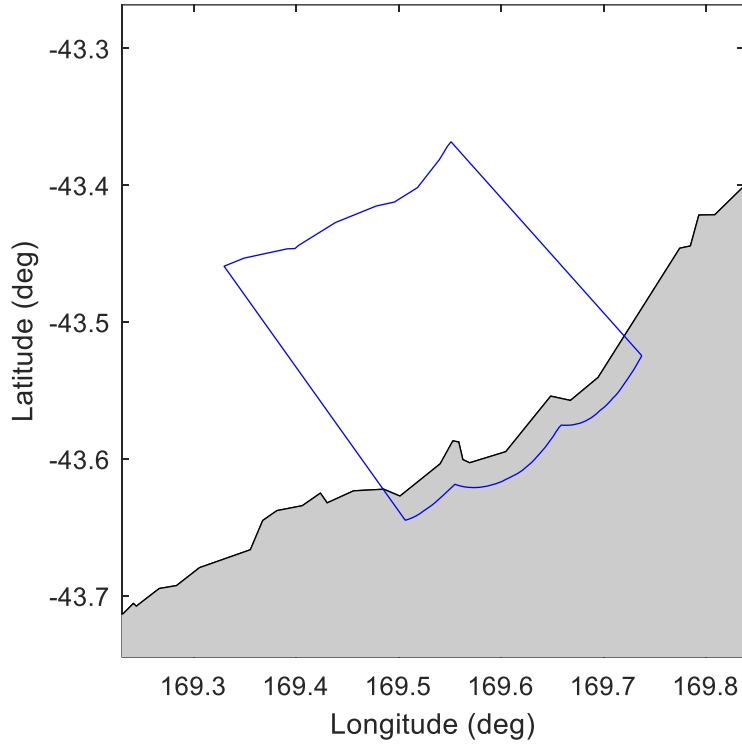


Deaggregation of Section:218, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.30 m

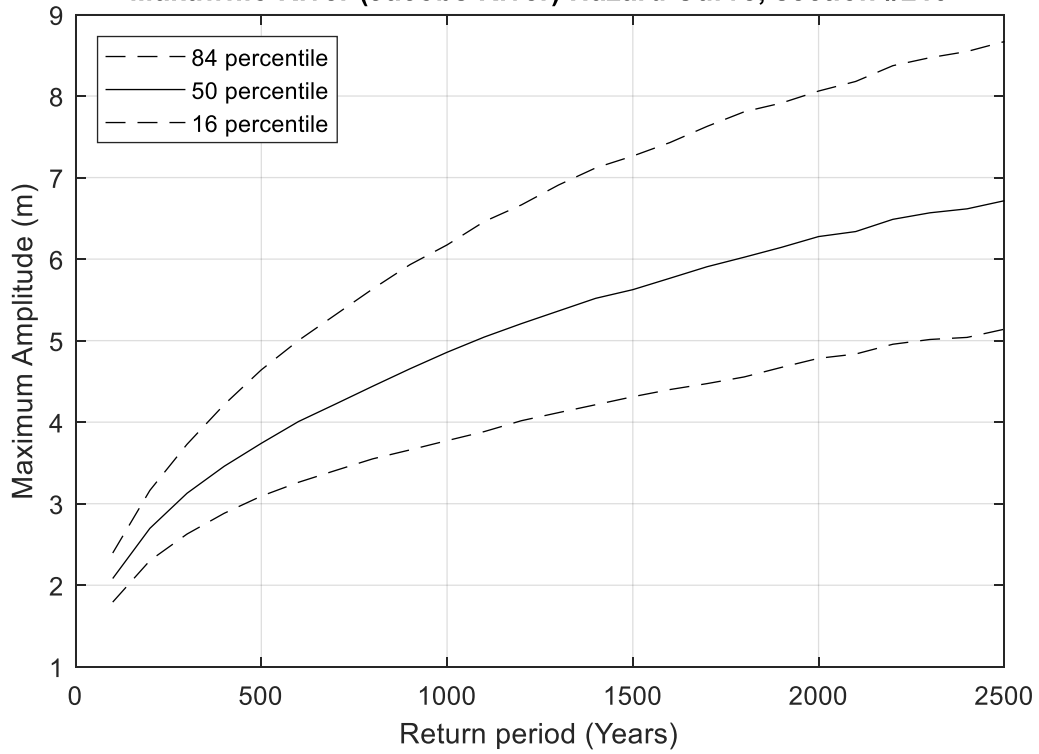


**A1.219 Coastal Section 219: Makawhio River (Jacobs River)**

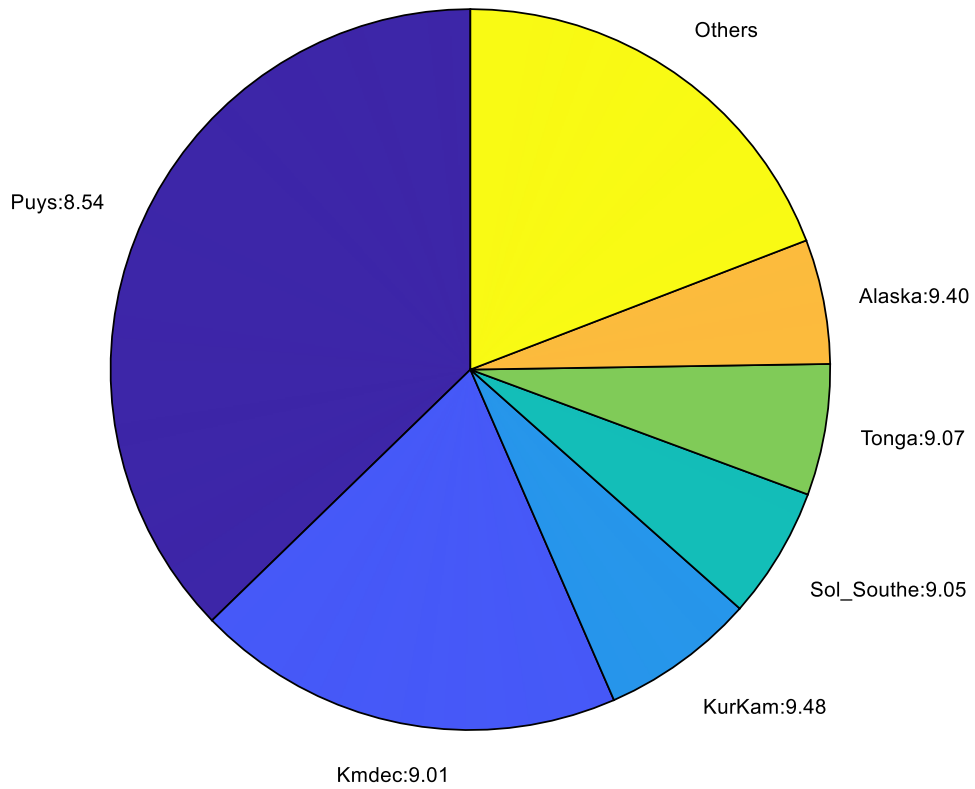
**Westland Coast, Makawhio River (Jacobs River)**



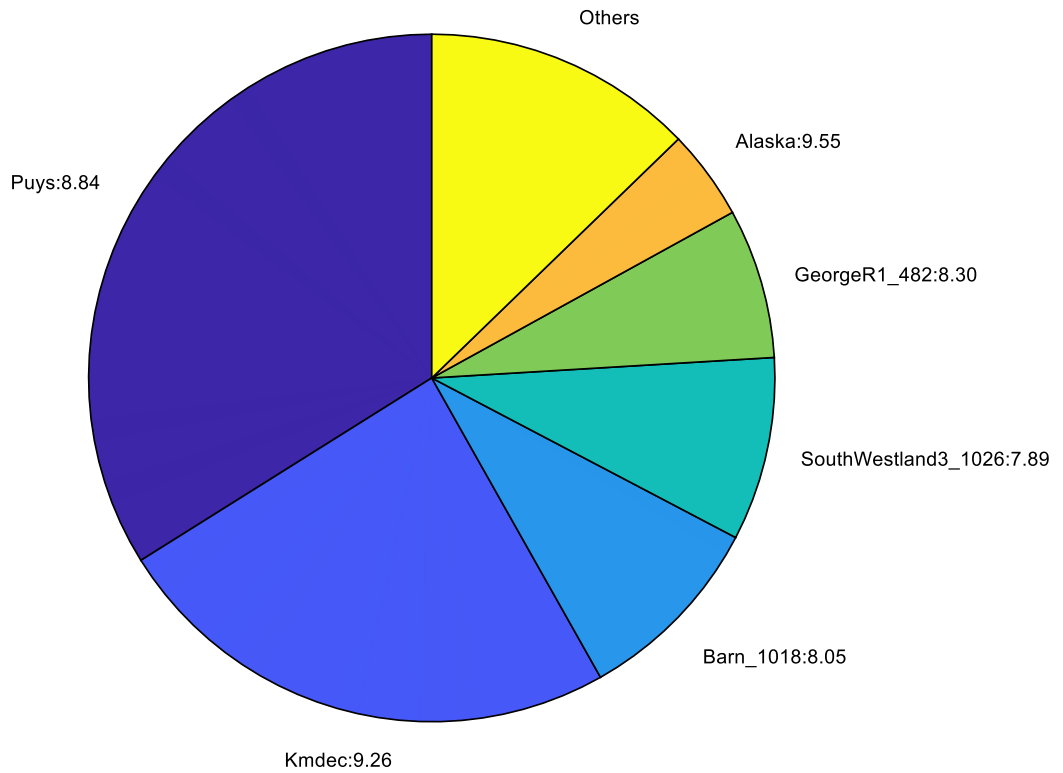
**Makawhio River (Jacobs River) Hazard Curve, section #219**



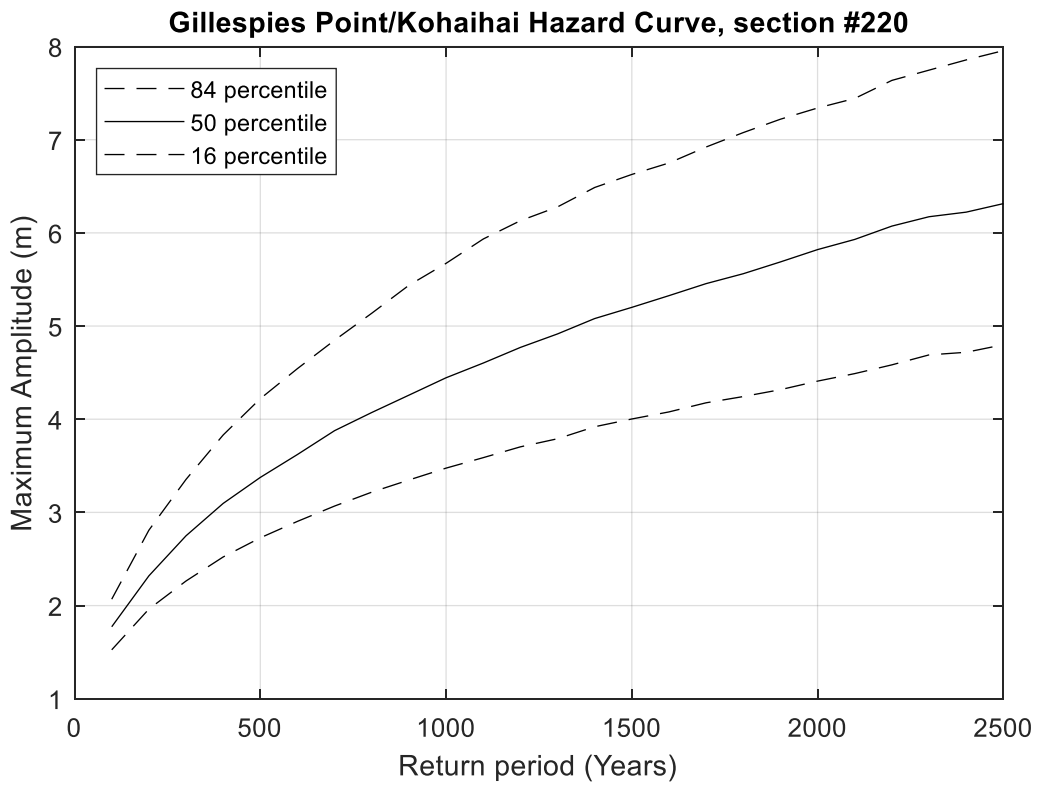
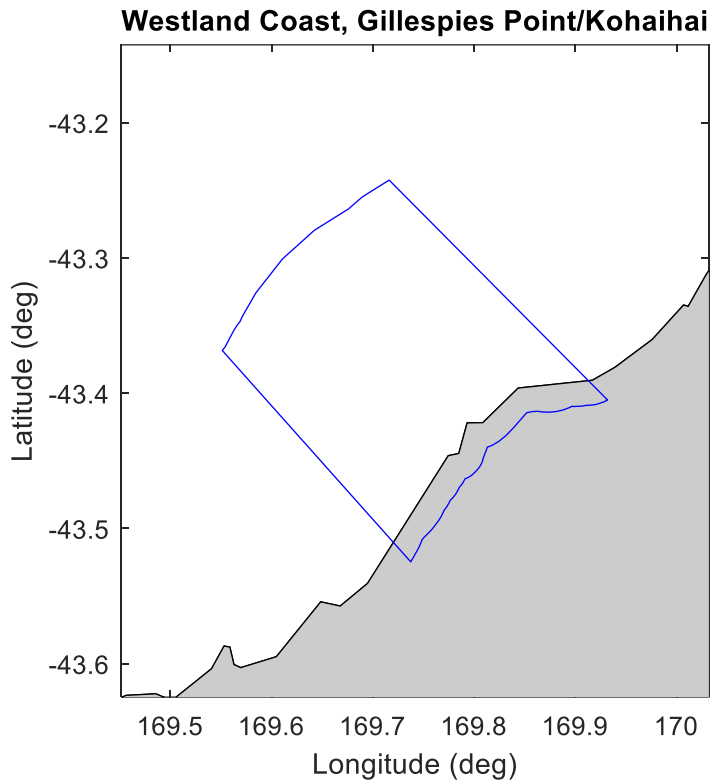
Deaggregation of Section:219, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.74 m



Deaggregation of Section:219, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.71 m

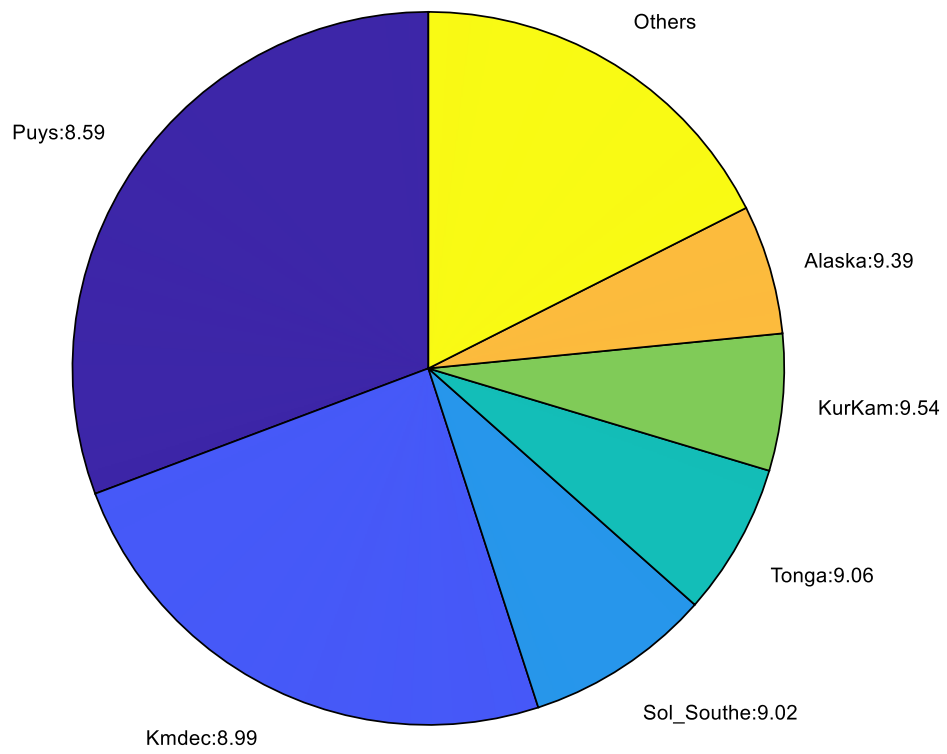


**A1.220 Coastal Section 220: Gillespies Point / Kohaihai**

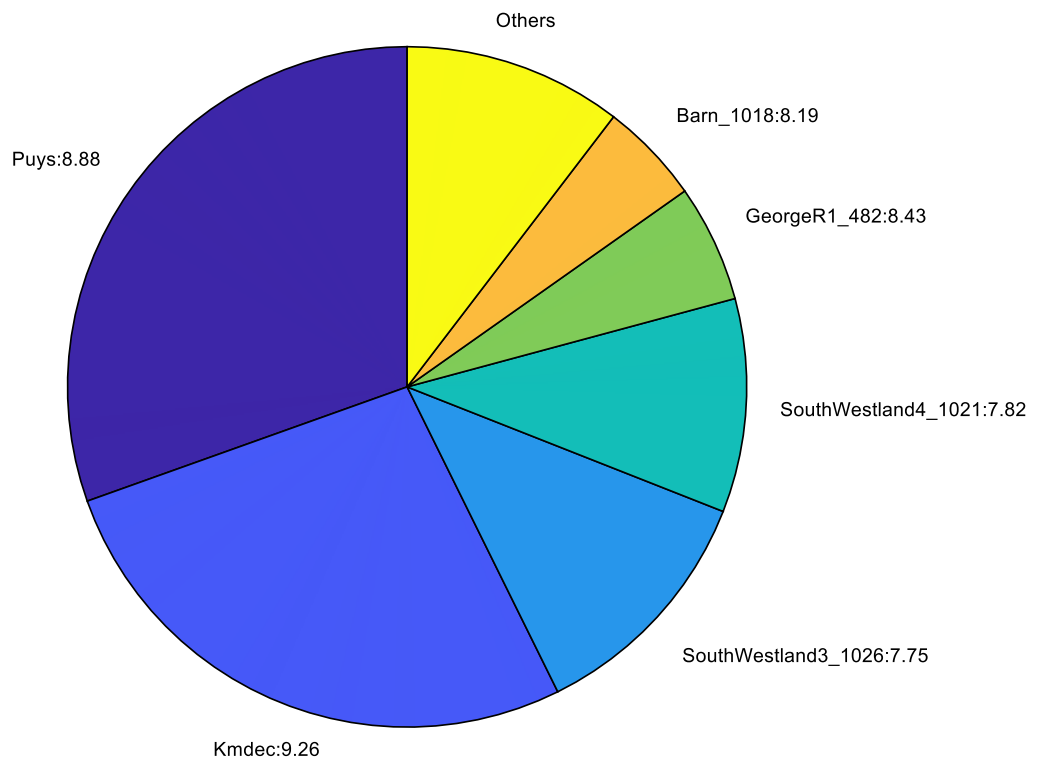




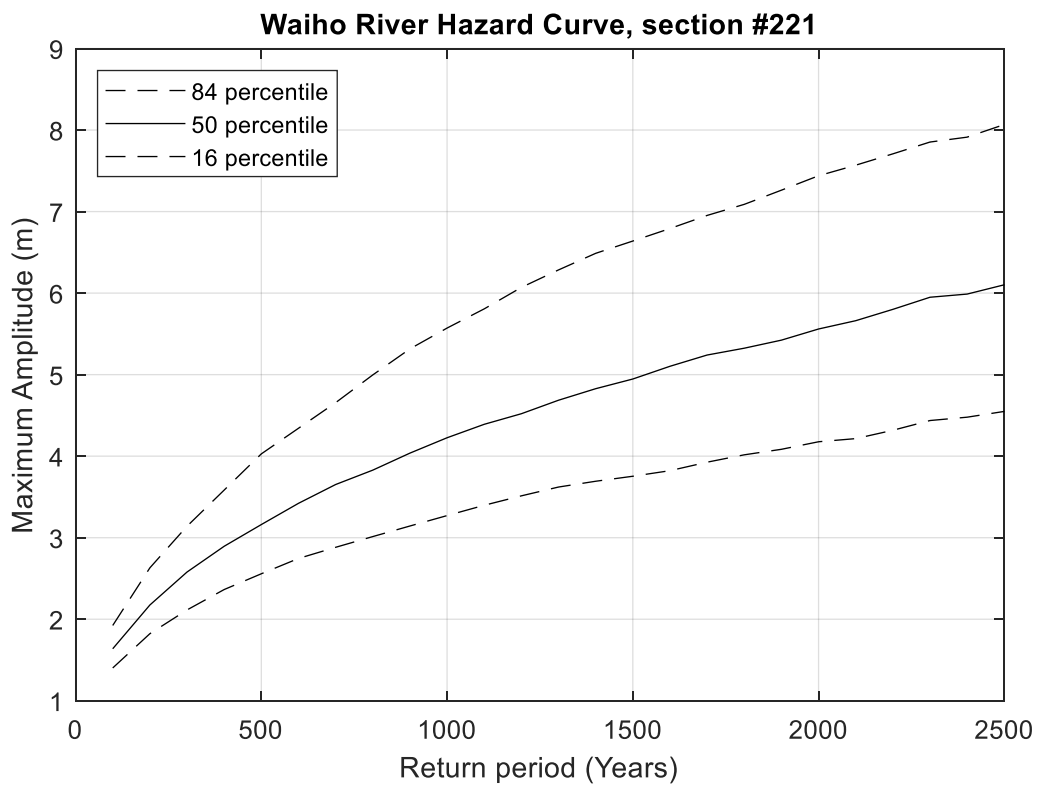
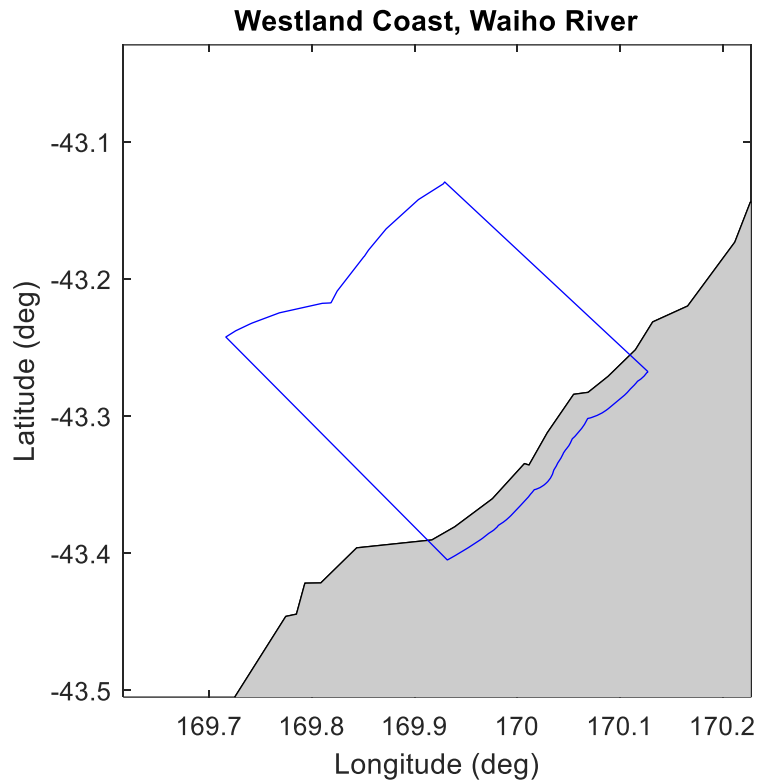
Deaggregation of Section:220, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.37 m



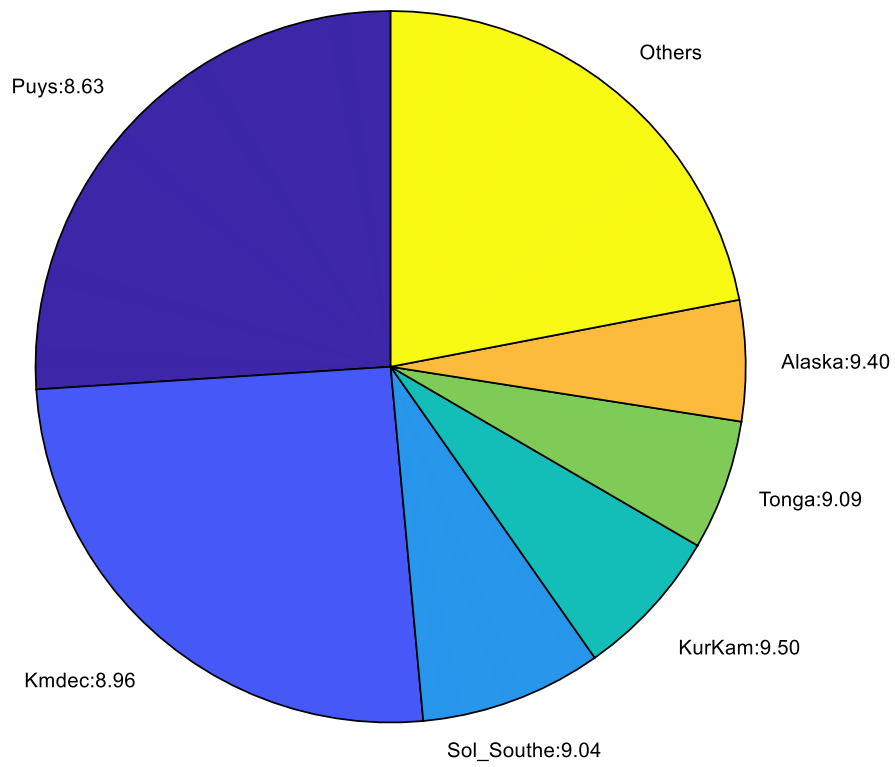
Deaggregation of Section:220, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.31 m



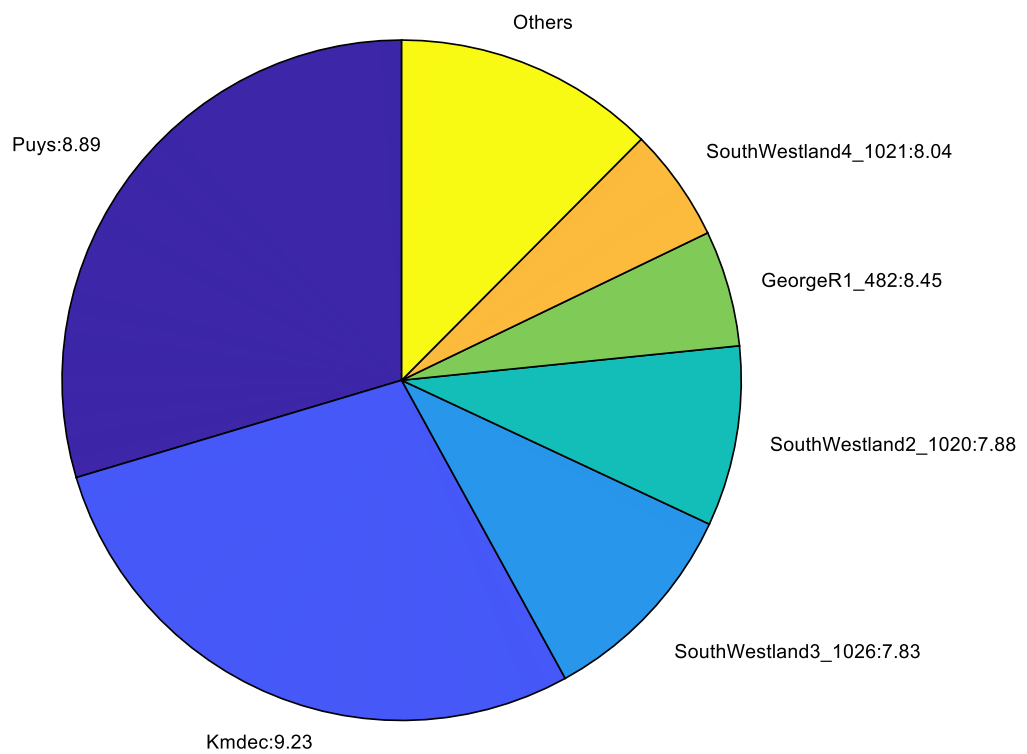
## A1.221 Coastal Section 221: Waiho River



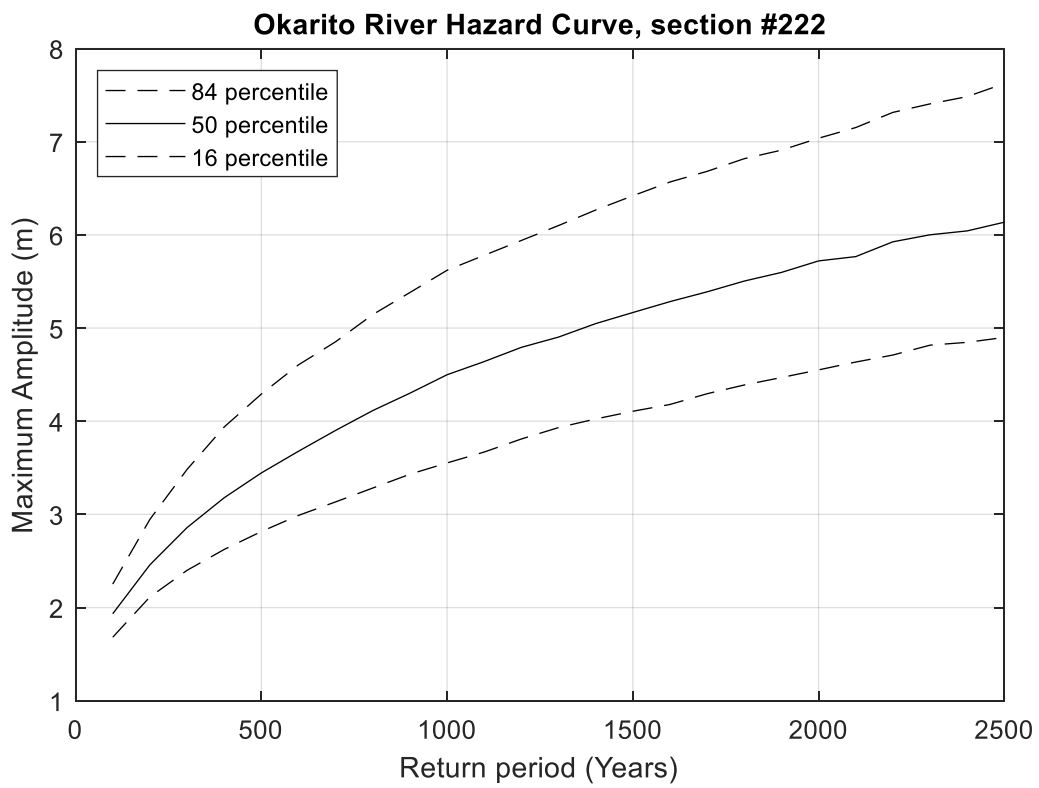
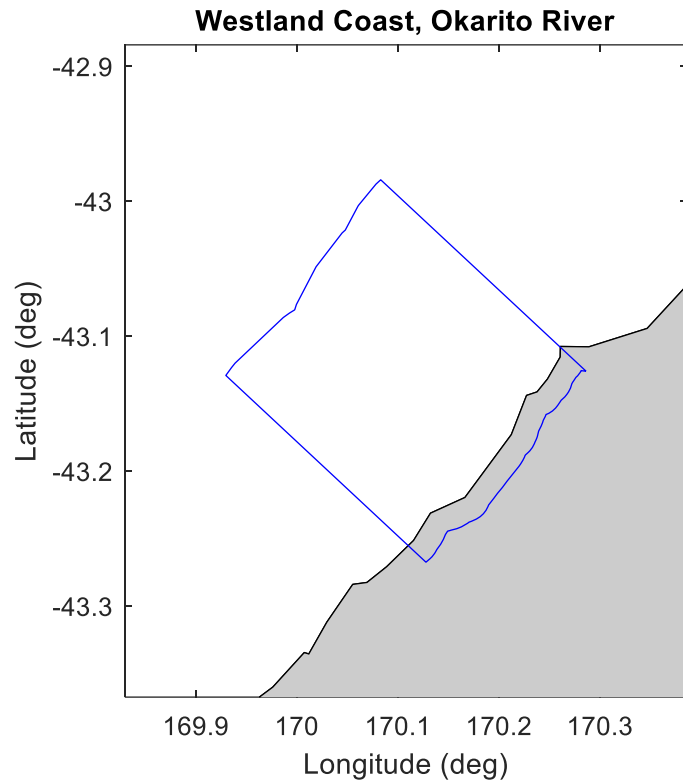
Deaggregation of Section:221, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.16 m



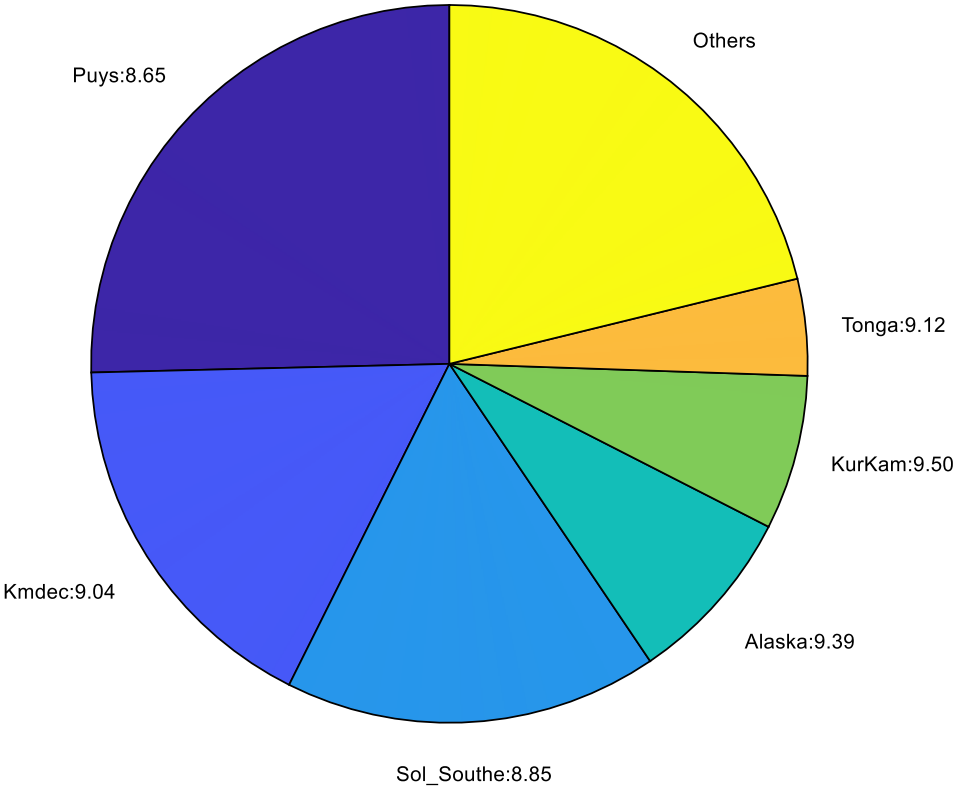
Deaggregation of Section:221, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.09 m



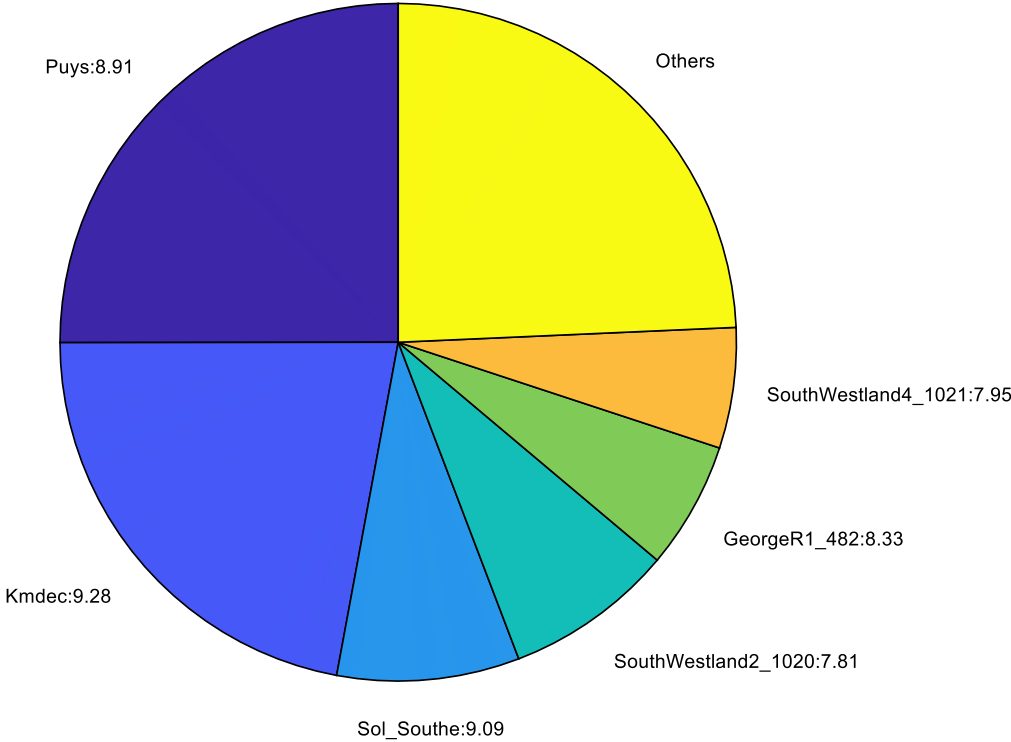
## A1.222 Coastal Section 222: Okarito River



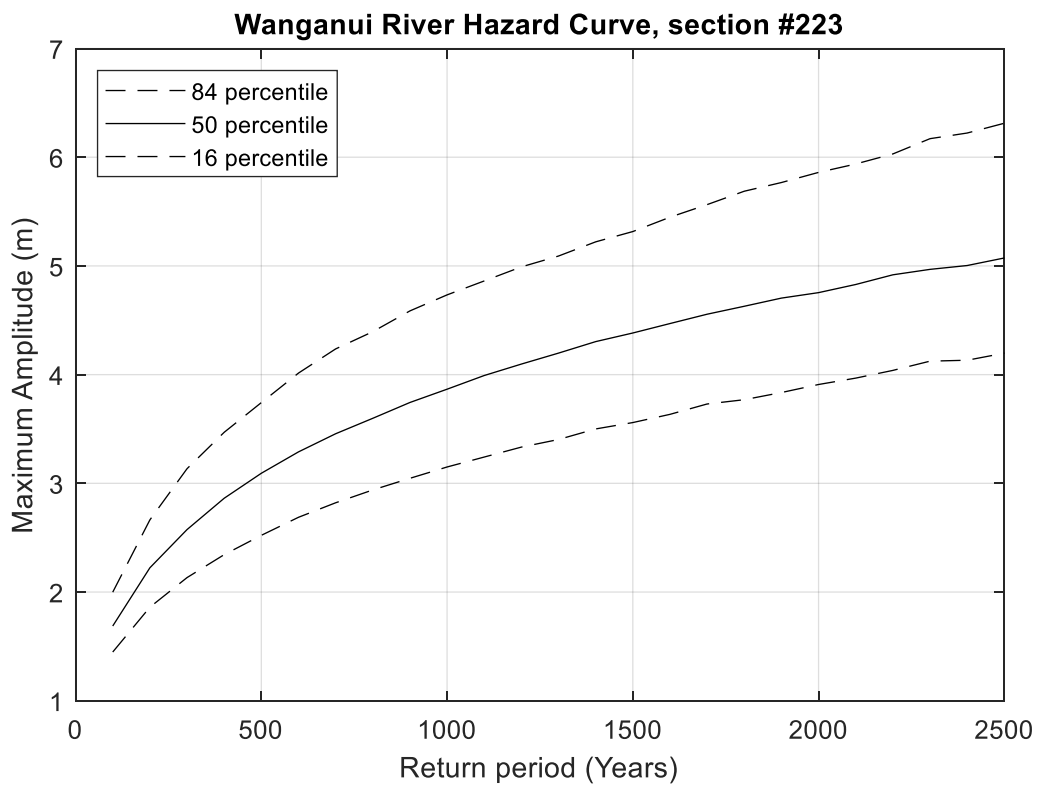
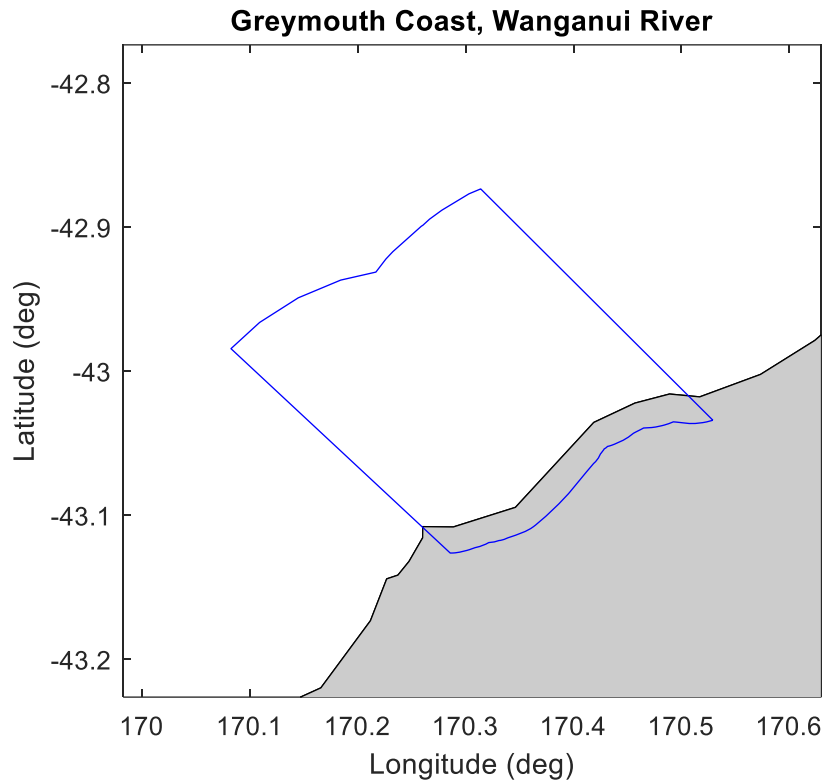
Deaggregation of Section:222, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.44 m



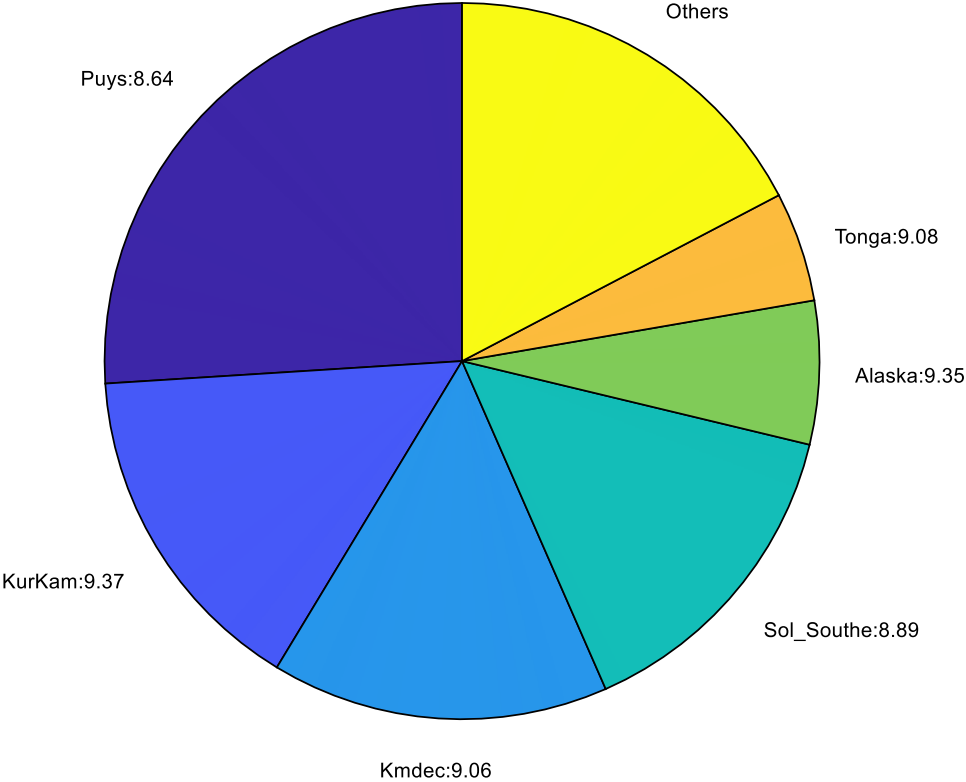
Deaggregation of Section:222, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.13 m



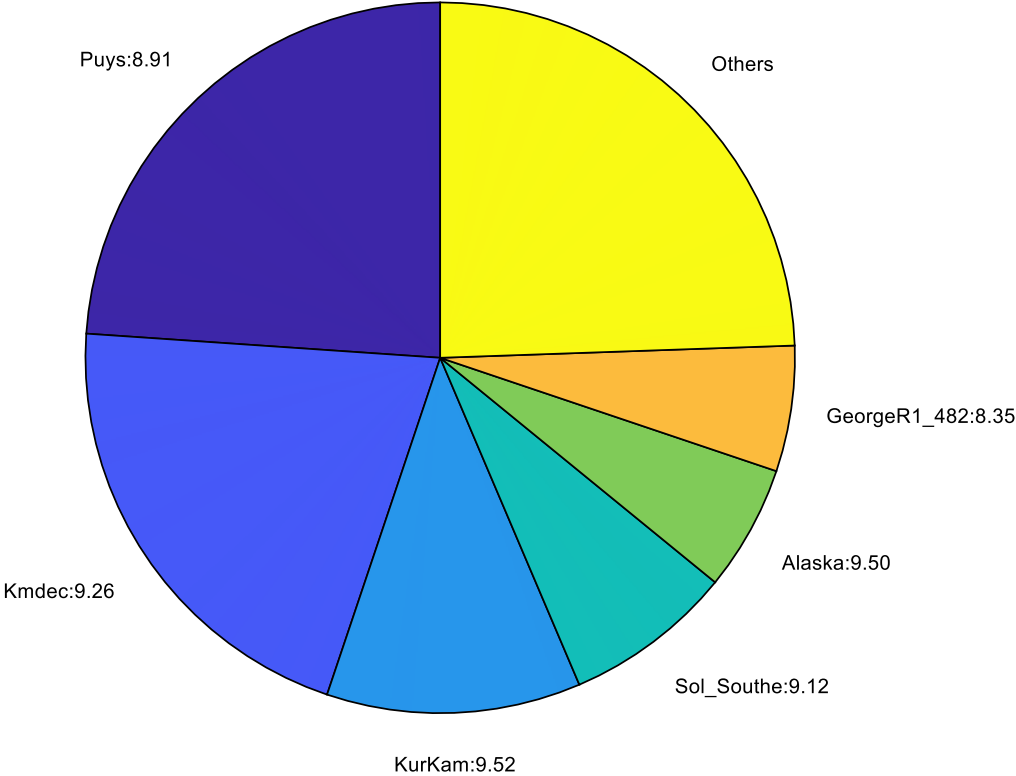
### A1.223 Coastal Section 223: Wanganui River



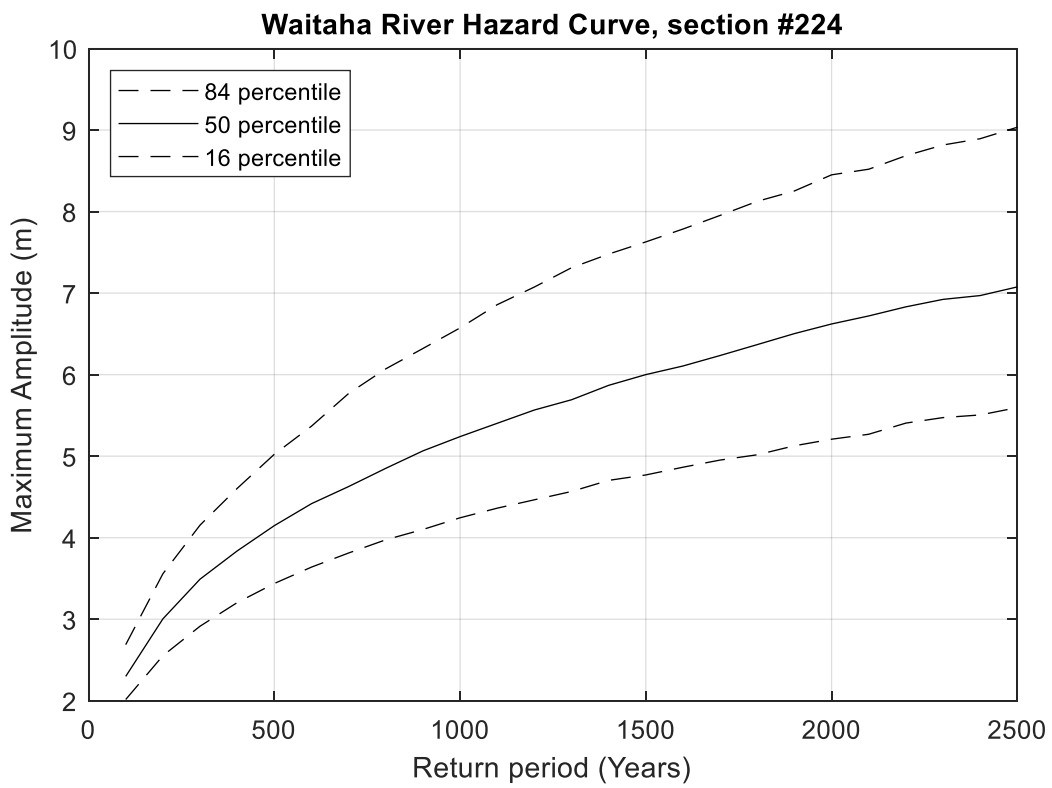
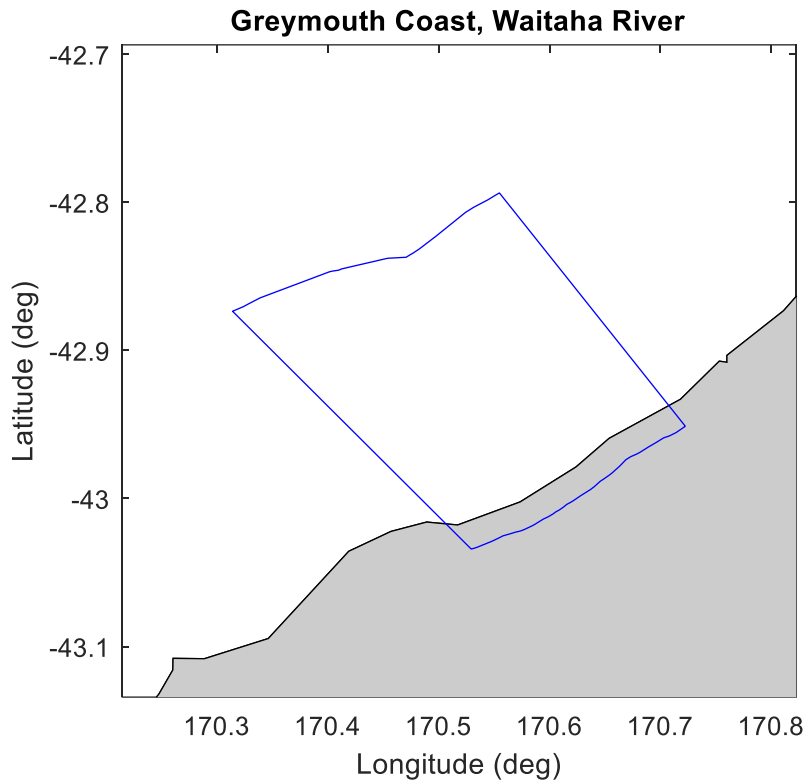
Deaggregation of Section:223, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.09 m



Deaggregation of Section:223, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.07 m

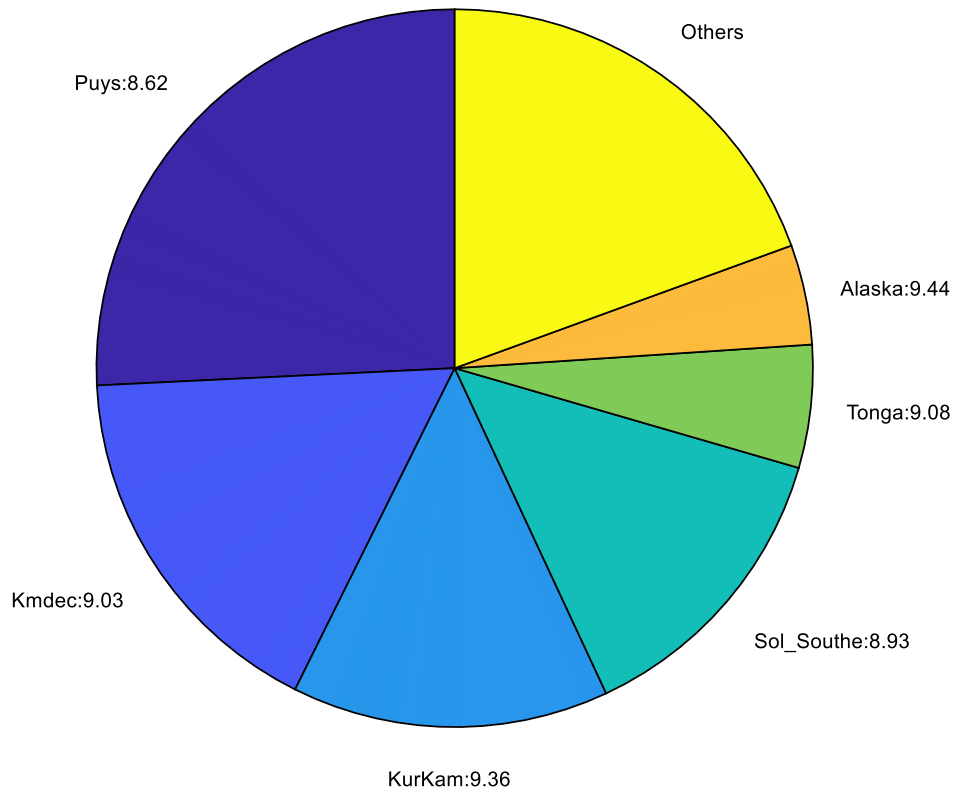


## A1.224 Coastal Section 224: Waitaha River

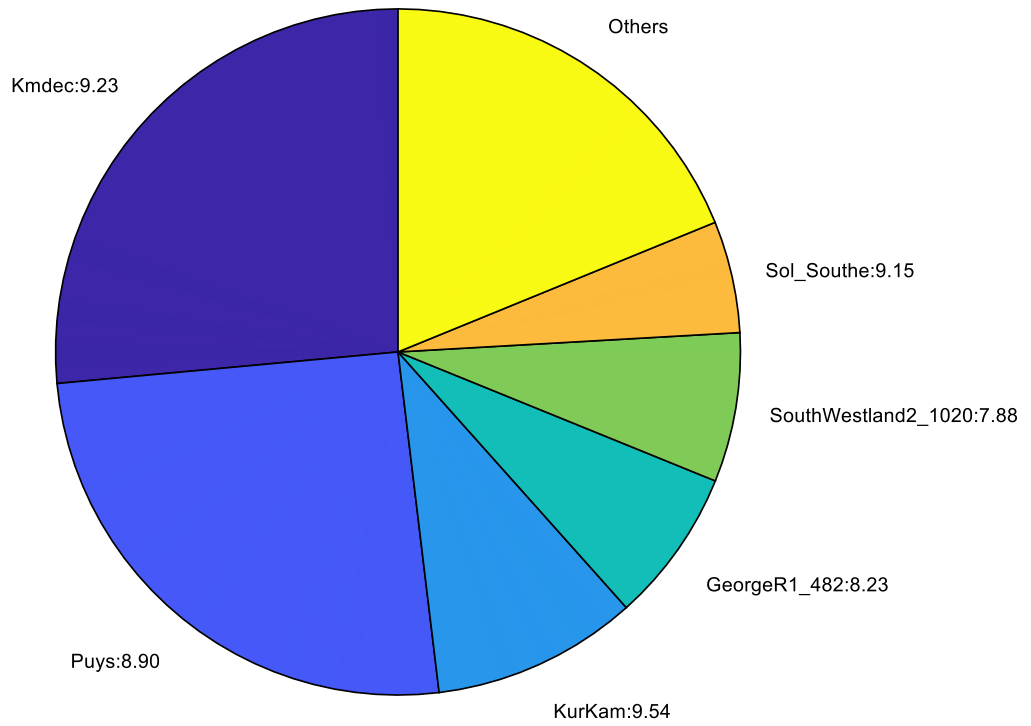




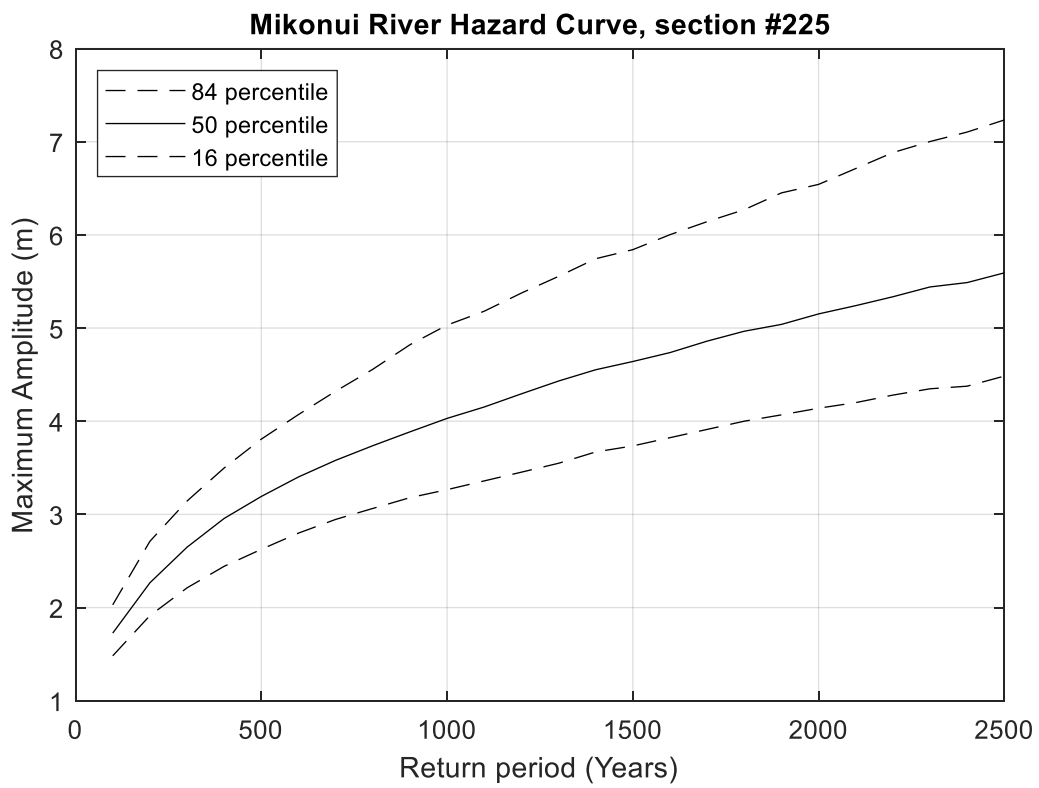
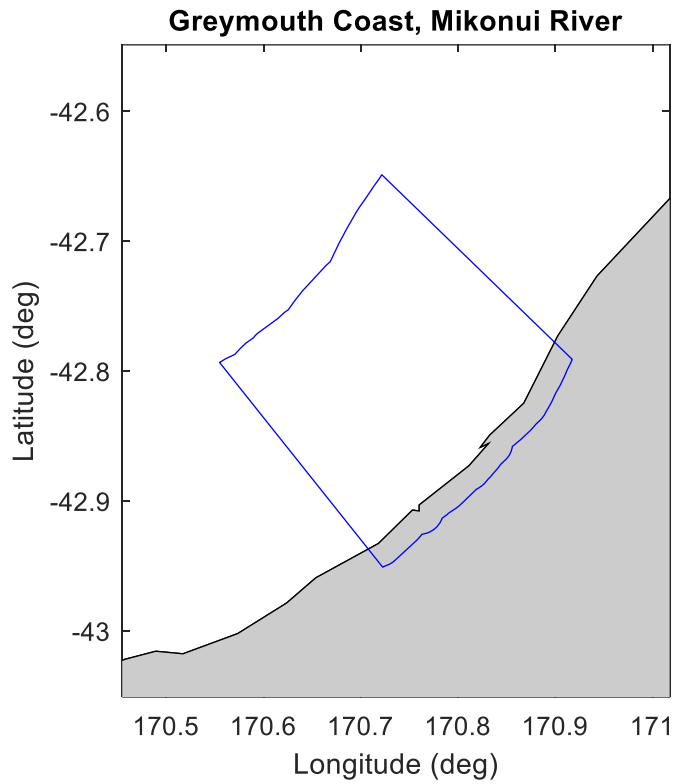
Deaggregation of Section:224, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.15 m



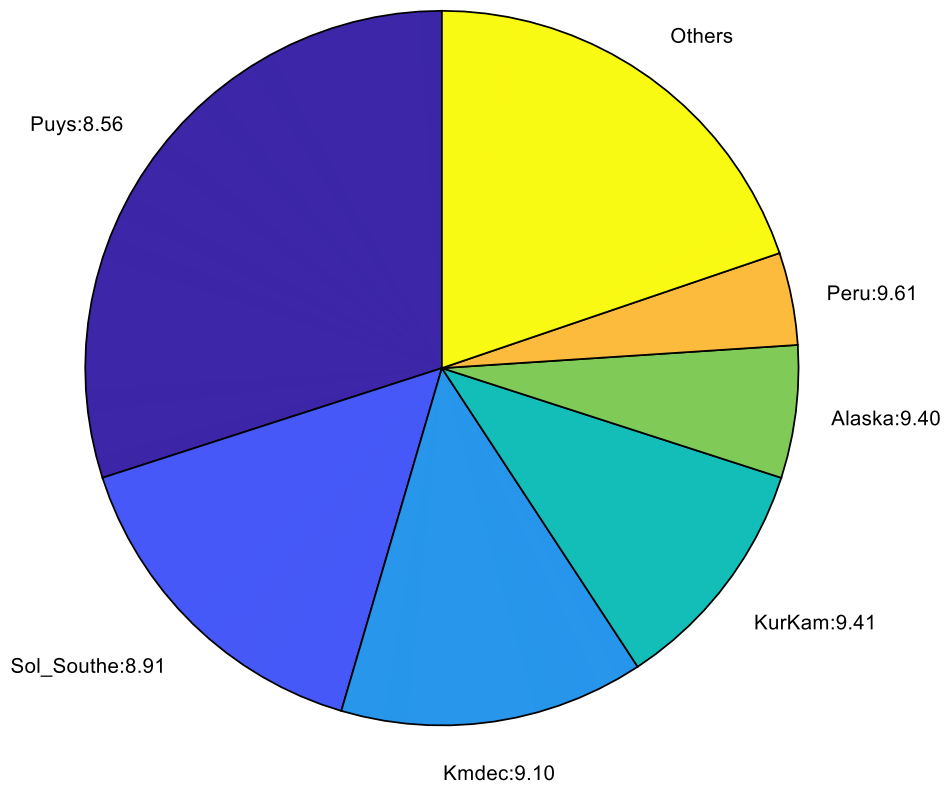
Deaggregation of Section:224, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.07 m



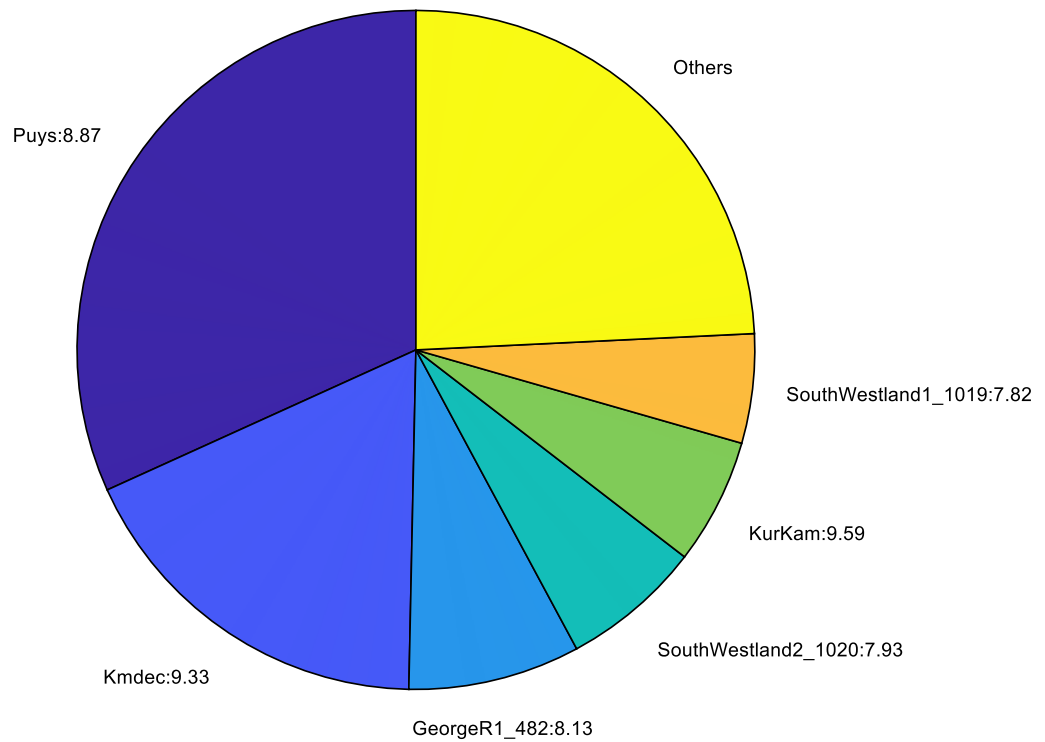
## A1.225 Coastal Section 225: Mikonui River



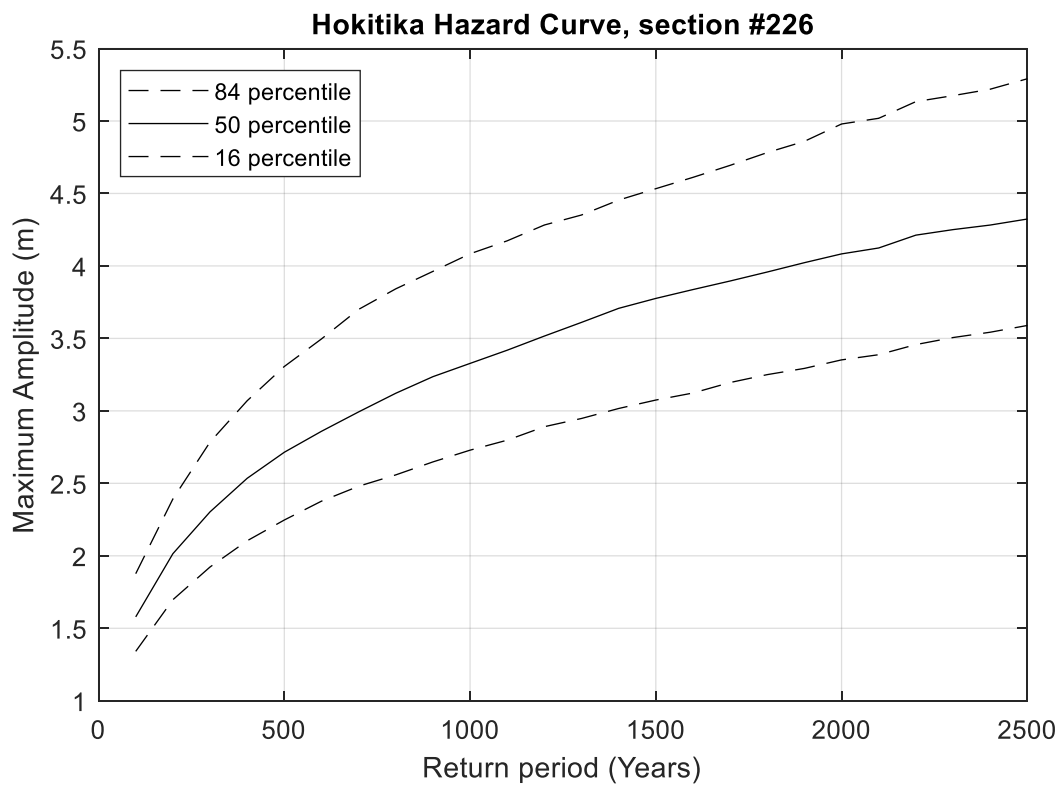
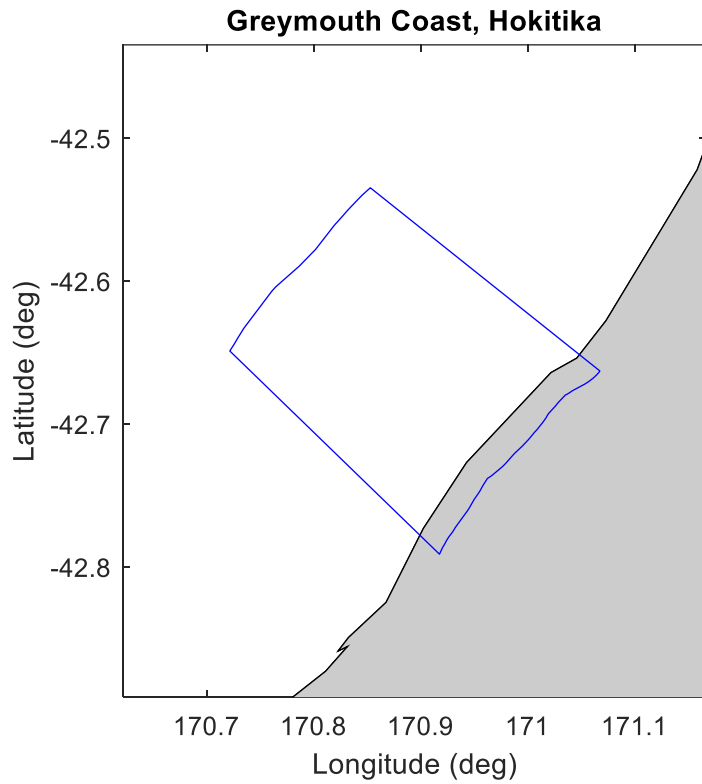
Deaggregation of Section:225, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.19 m



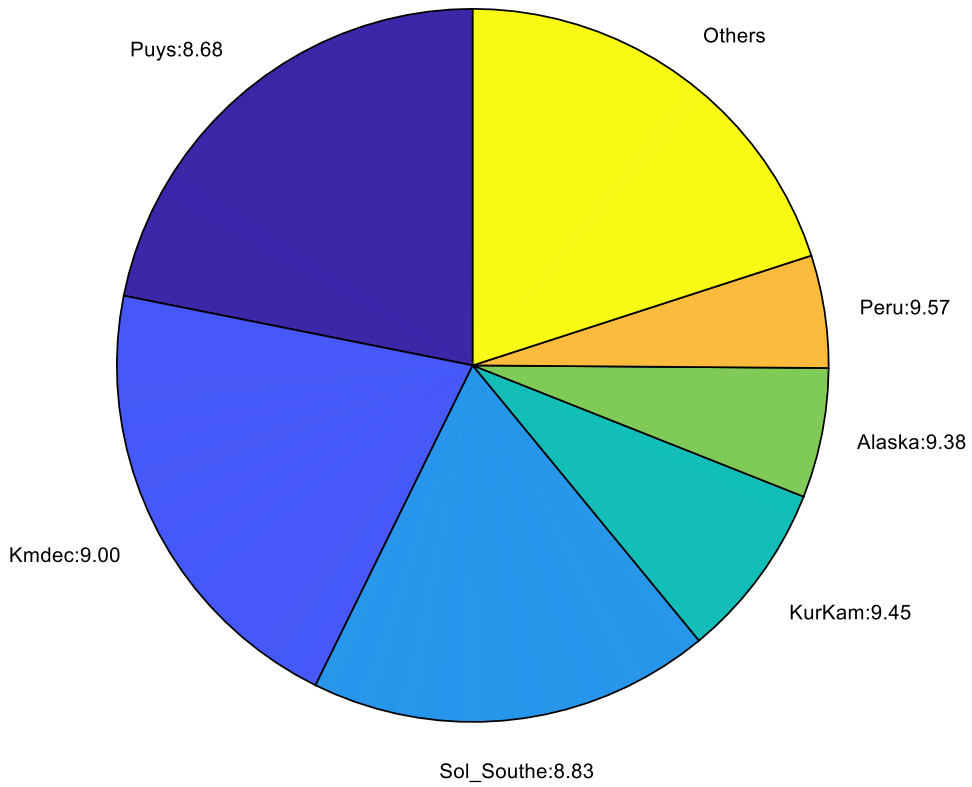
Deaggregation of Section:225, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.59 m



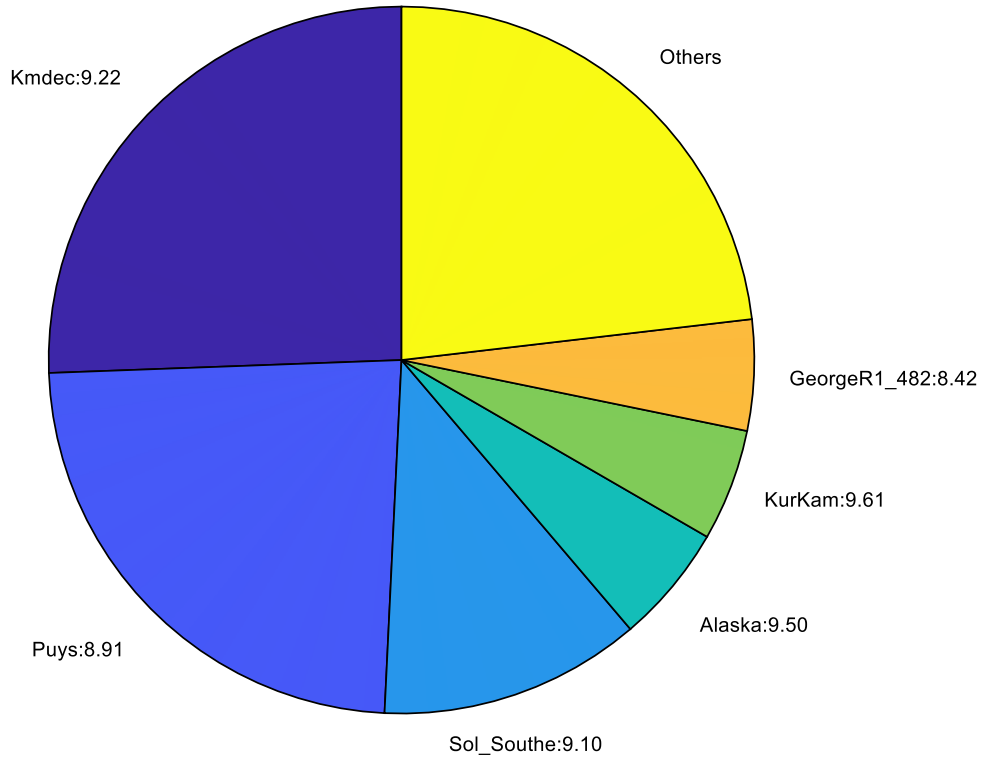
**A1.226 Coastal Section 226: Hokitika**



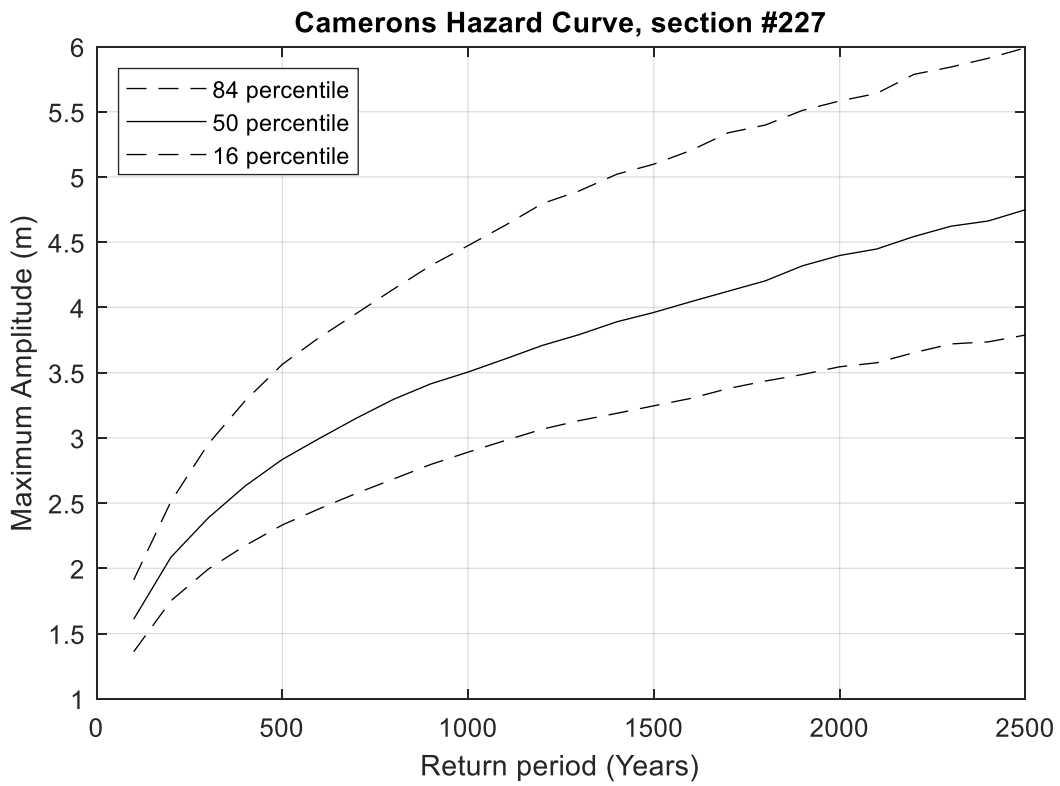
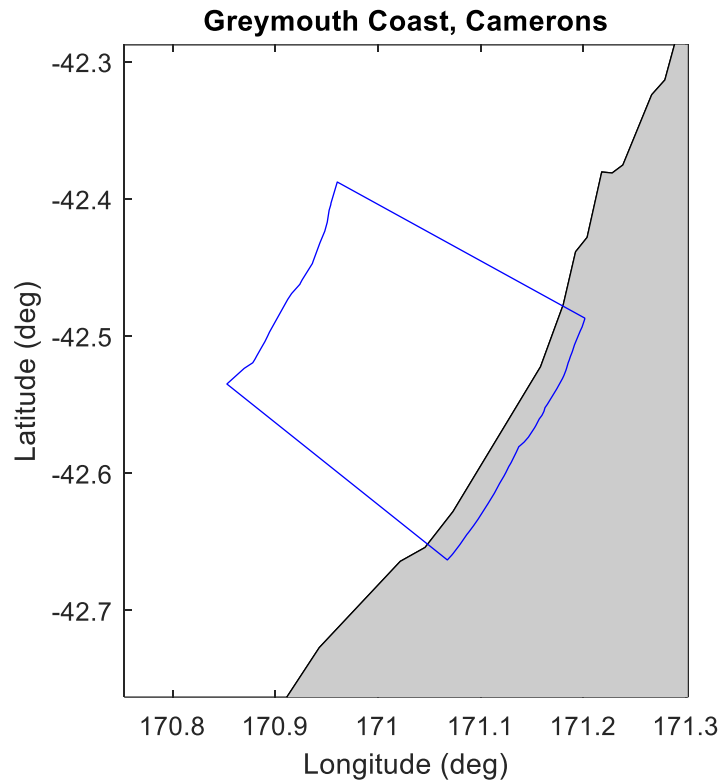
Deaggregation of Section:226, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.71 m



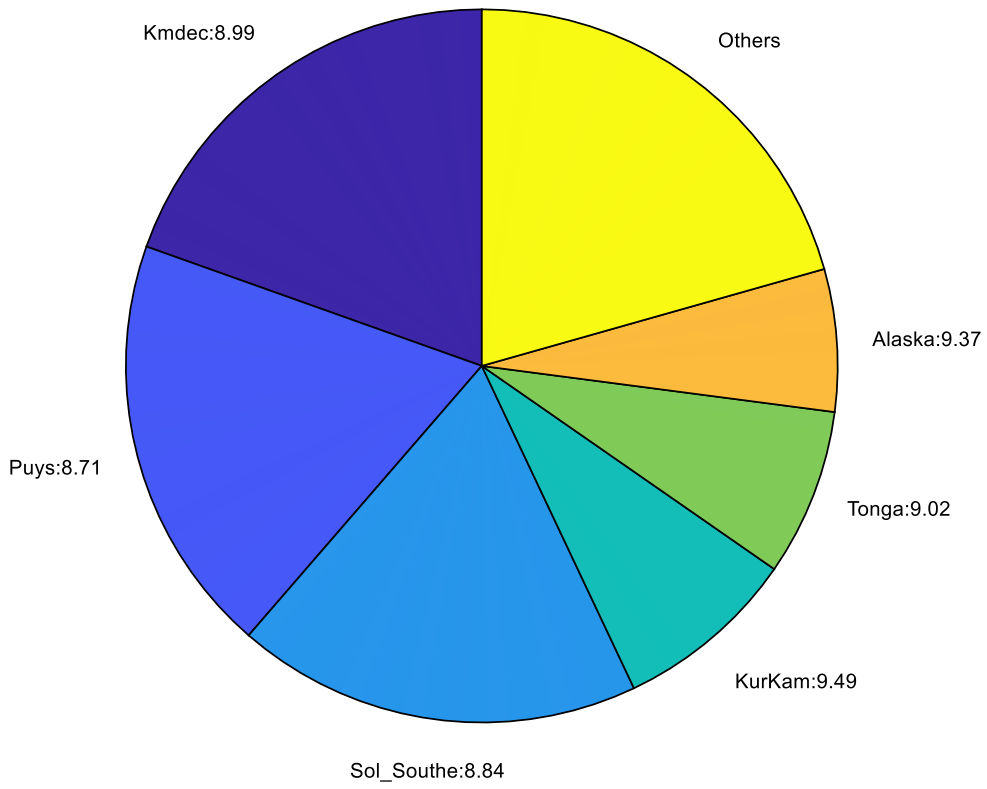
Deaggregation of Section:226, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.32 m



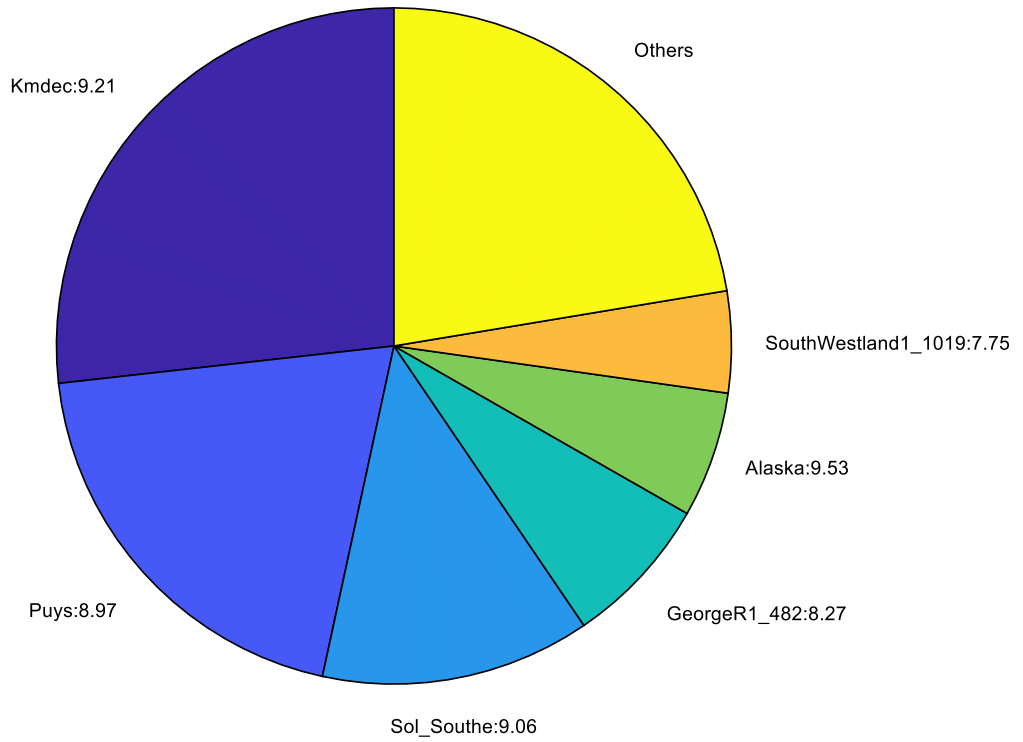
**A1.227 Coastal Section 227: Camerons**



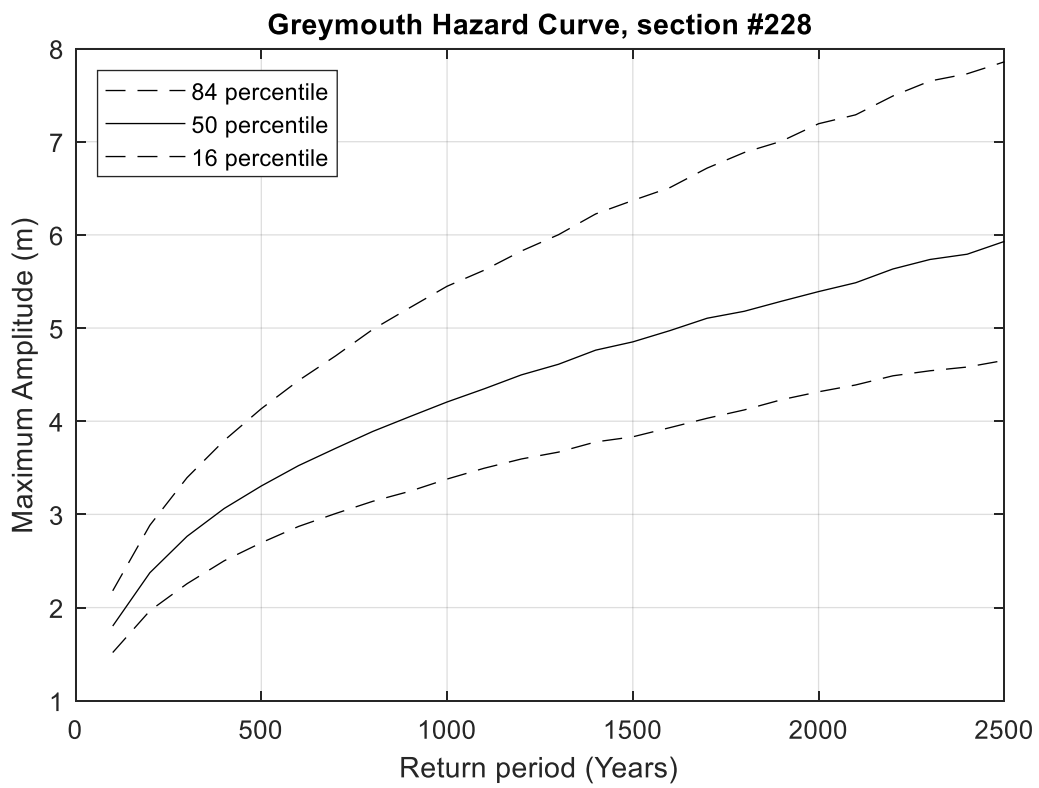
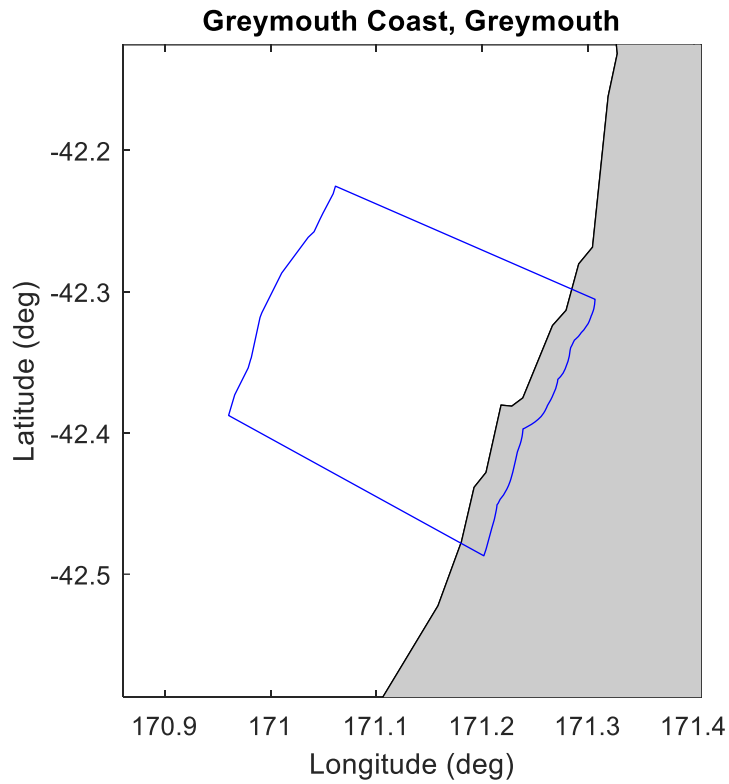
Deaggregation of Section:227, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.83 m



Deaggregation of Section:227, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.75 m

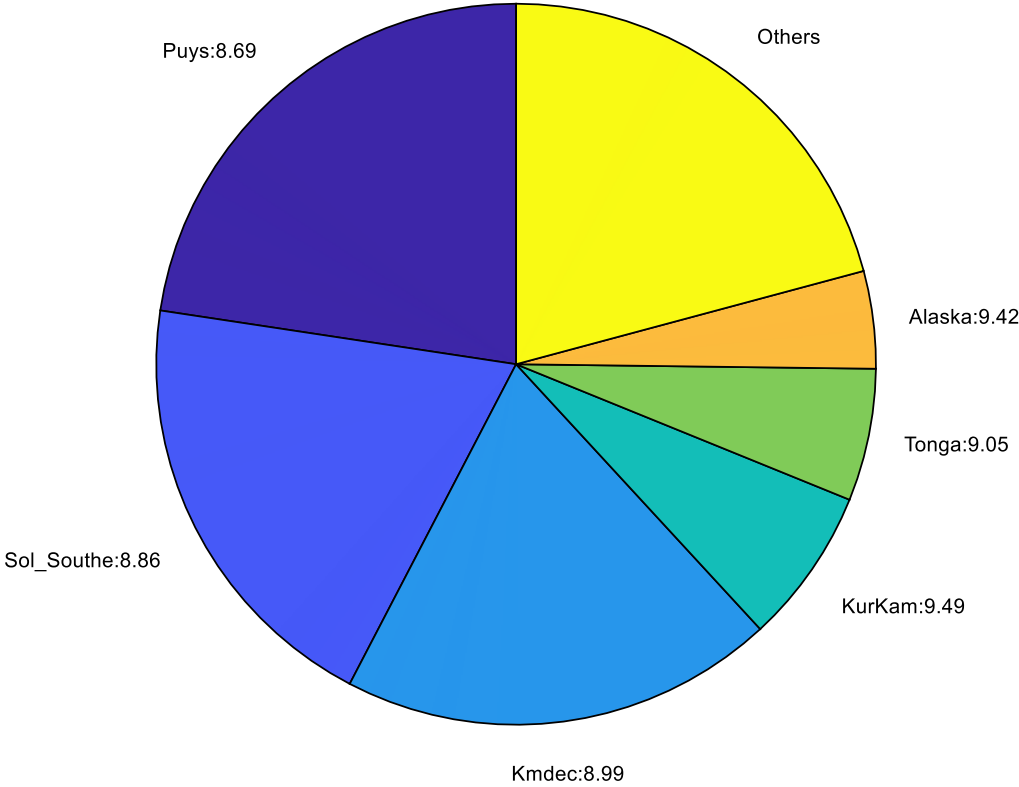


## A1.228 Coastal Section 228: Greymouth

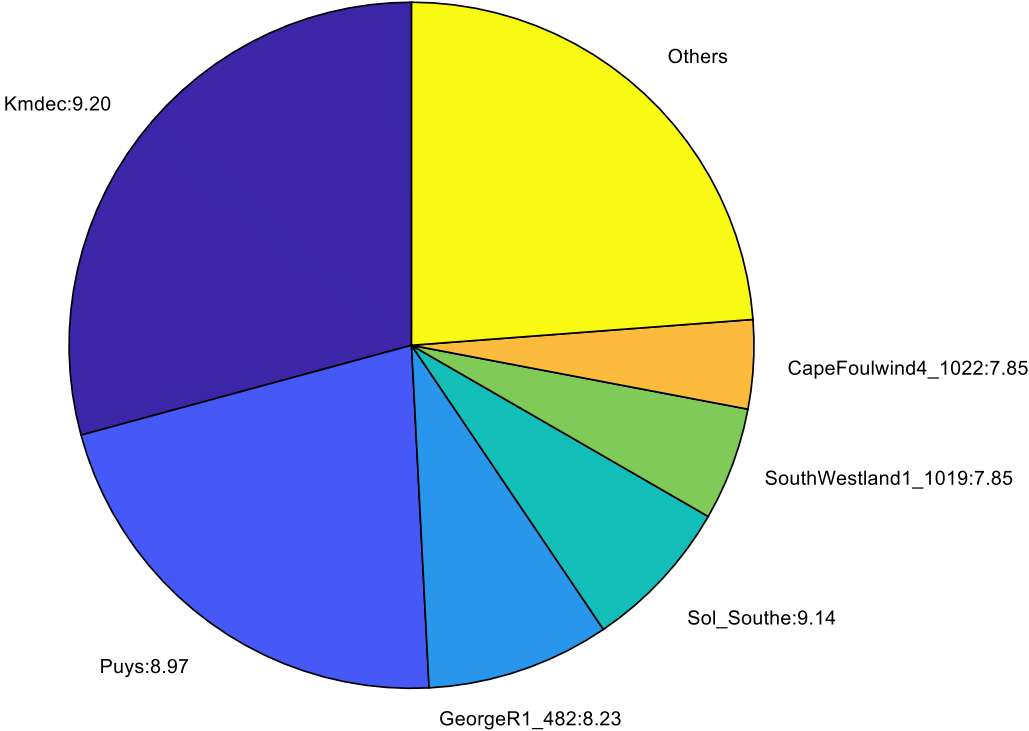




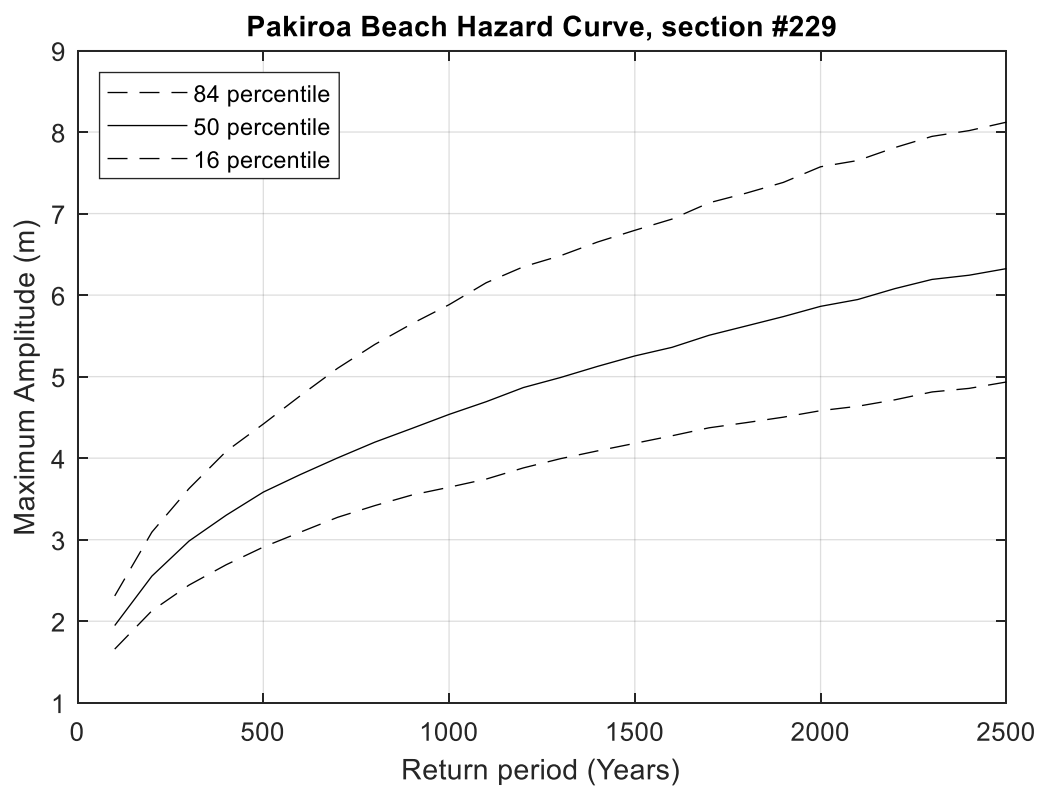
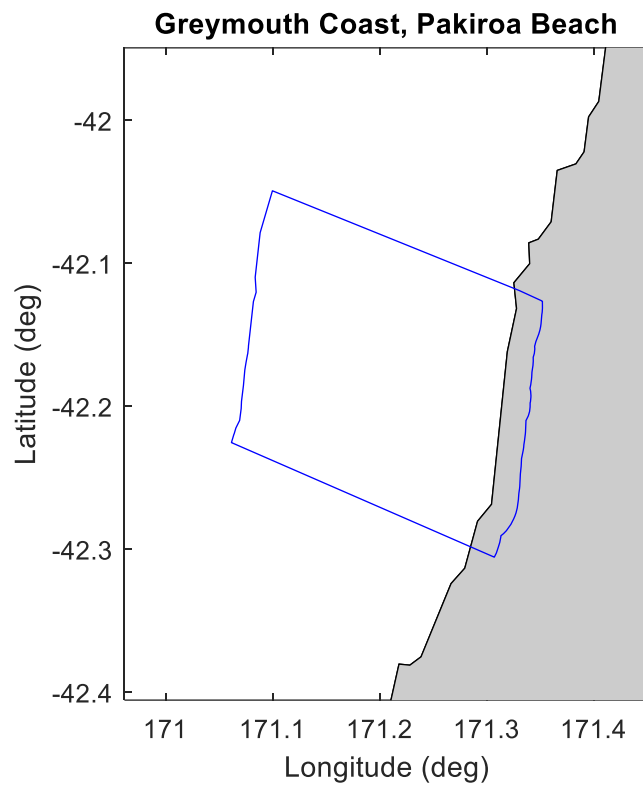
Deaggregation of Section:228, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.30 m



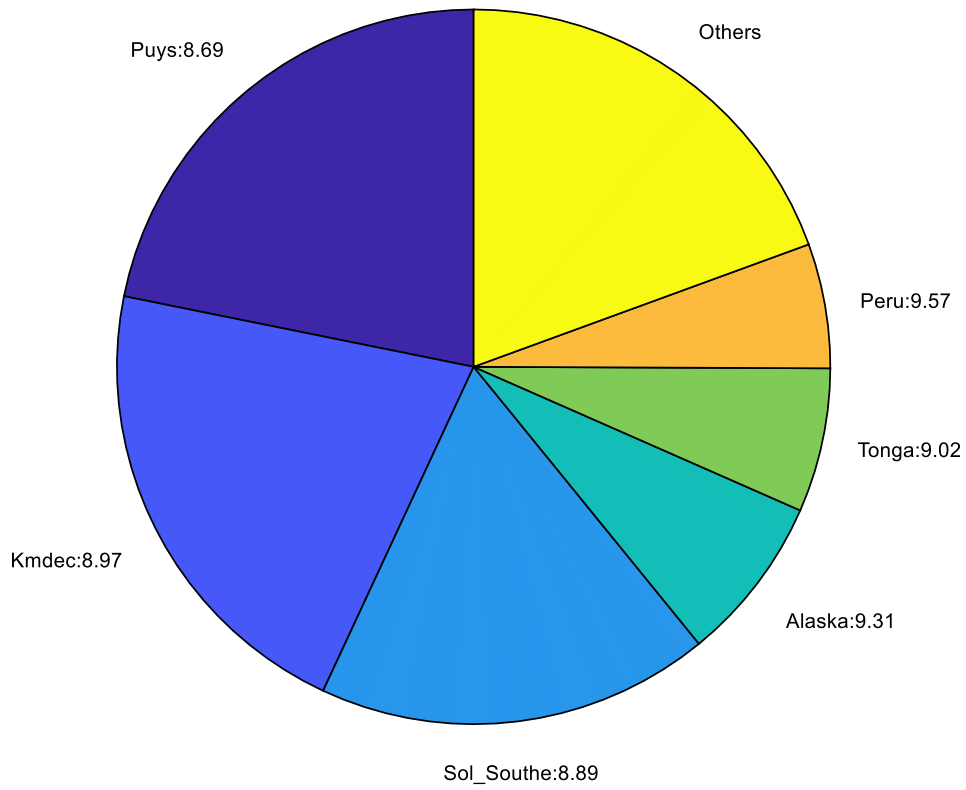
Deaggregation of Section:228, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.92 m



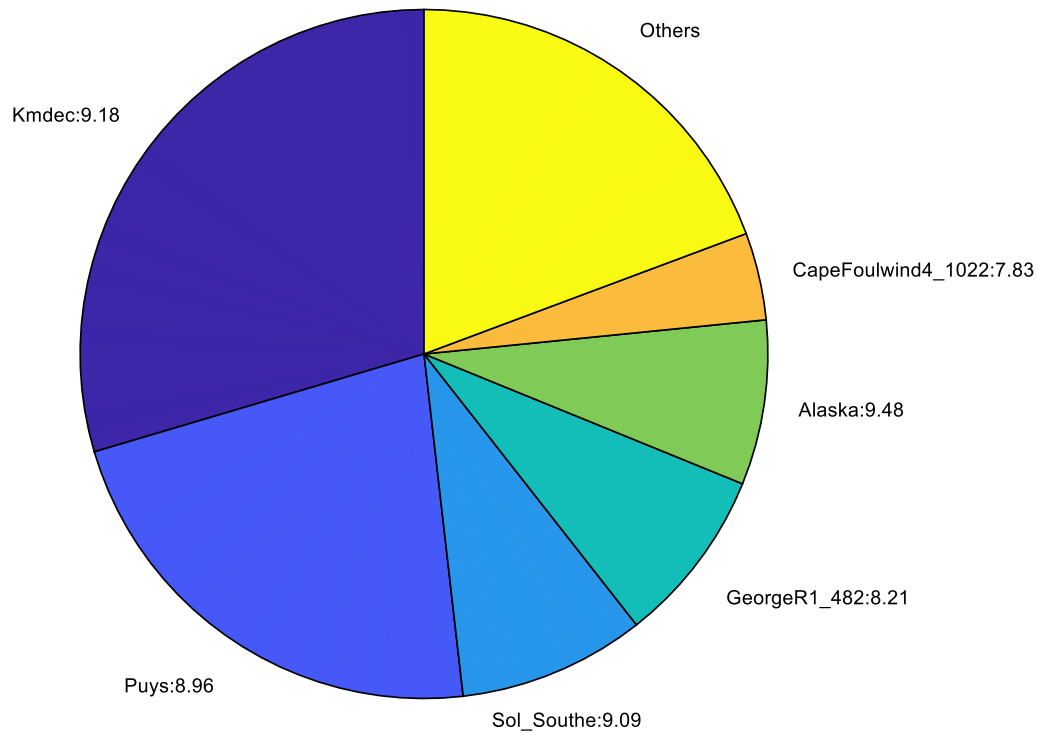
## A1.229 Coastal Section 229: Pakiroa Beach



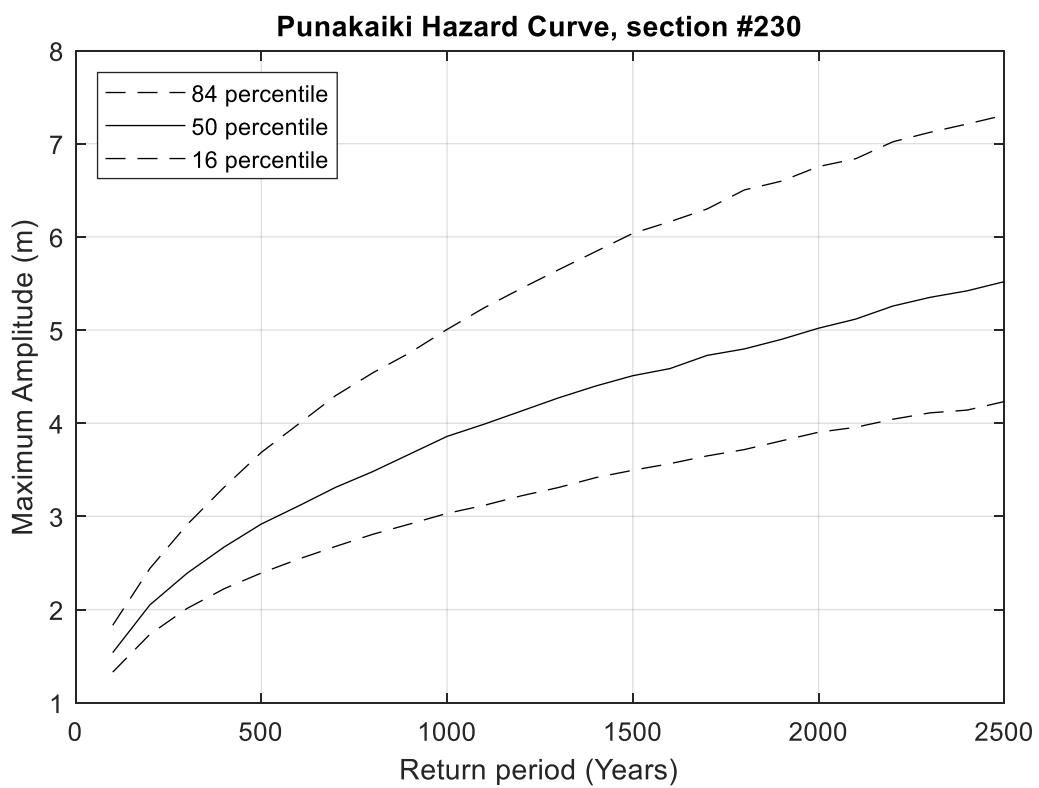
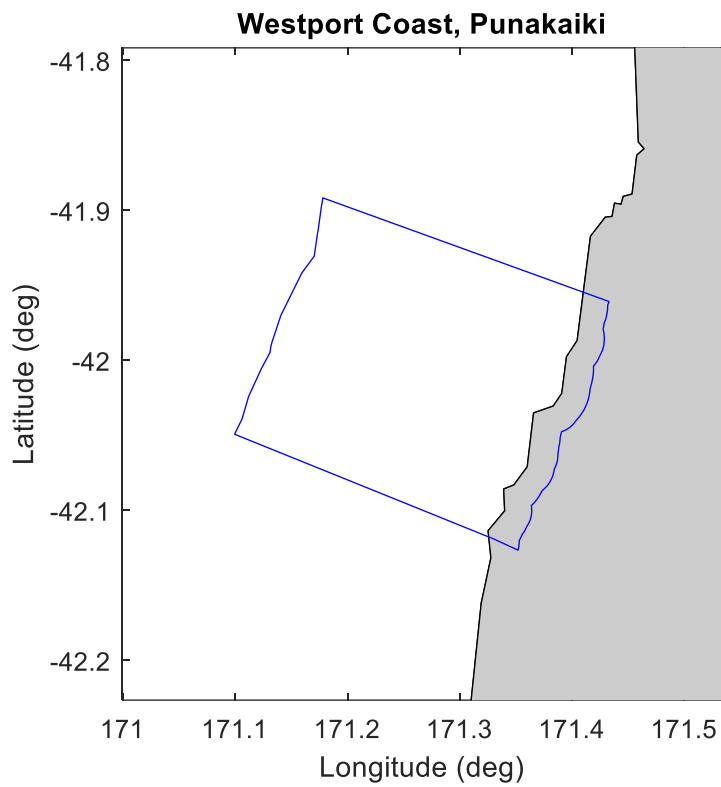
Deaggregation of Section:229, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.58 m



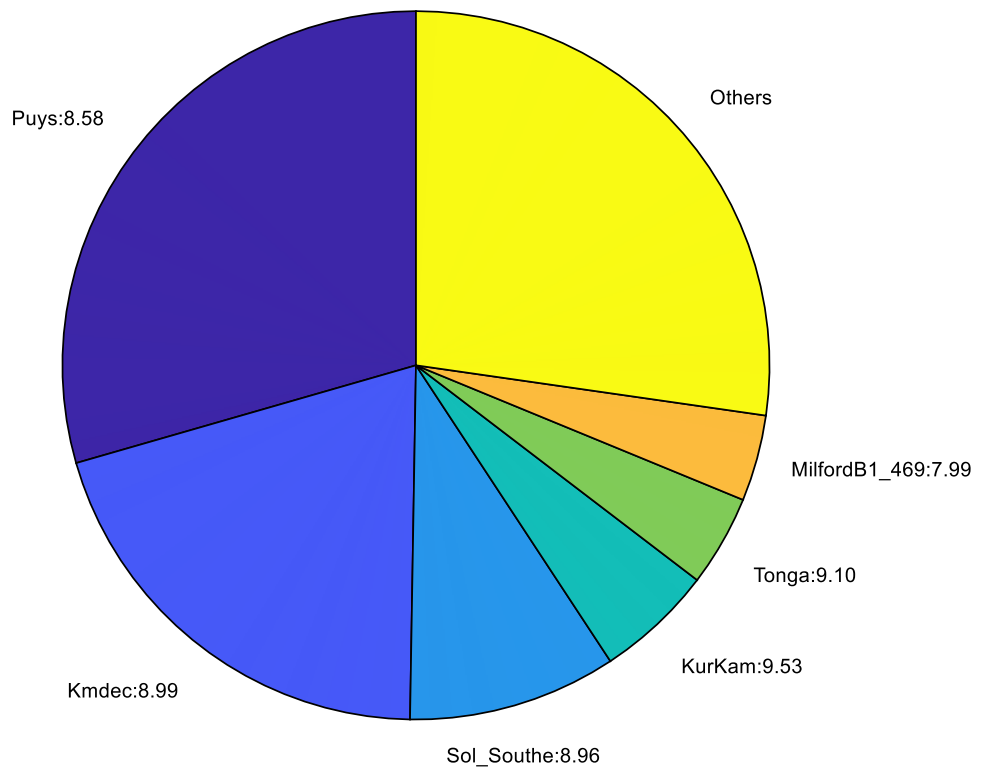
Deaggregation of Section:229, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.32 m



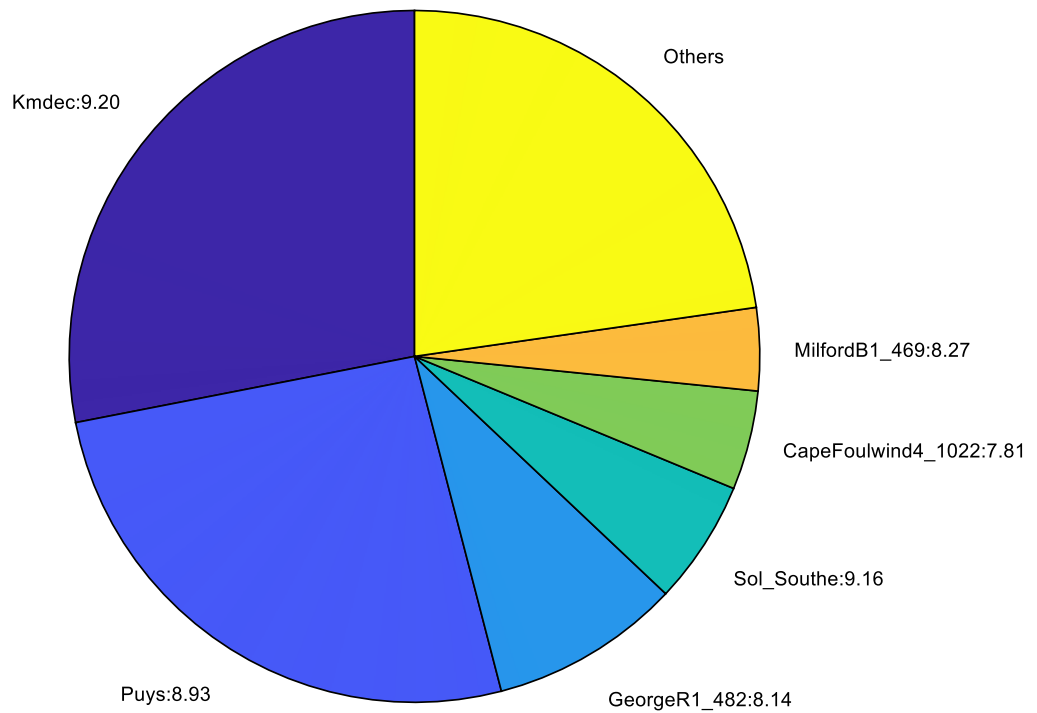
## A1.230 Coastal Section 230: Punakaiki



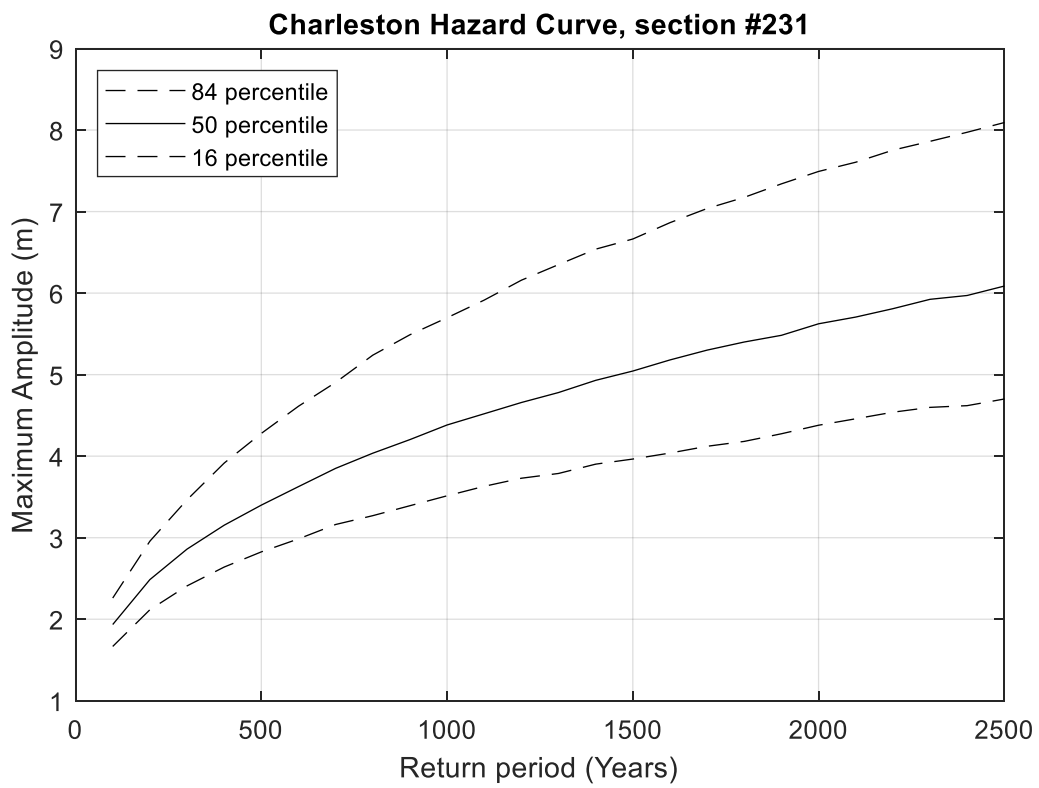
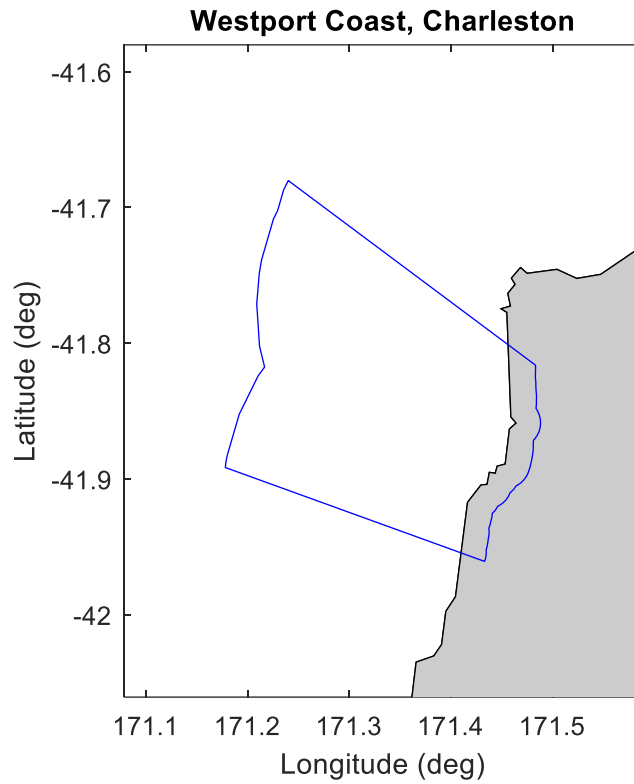
Deaggregation of Section:230, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.91 m



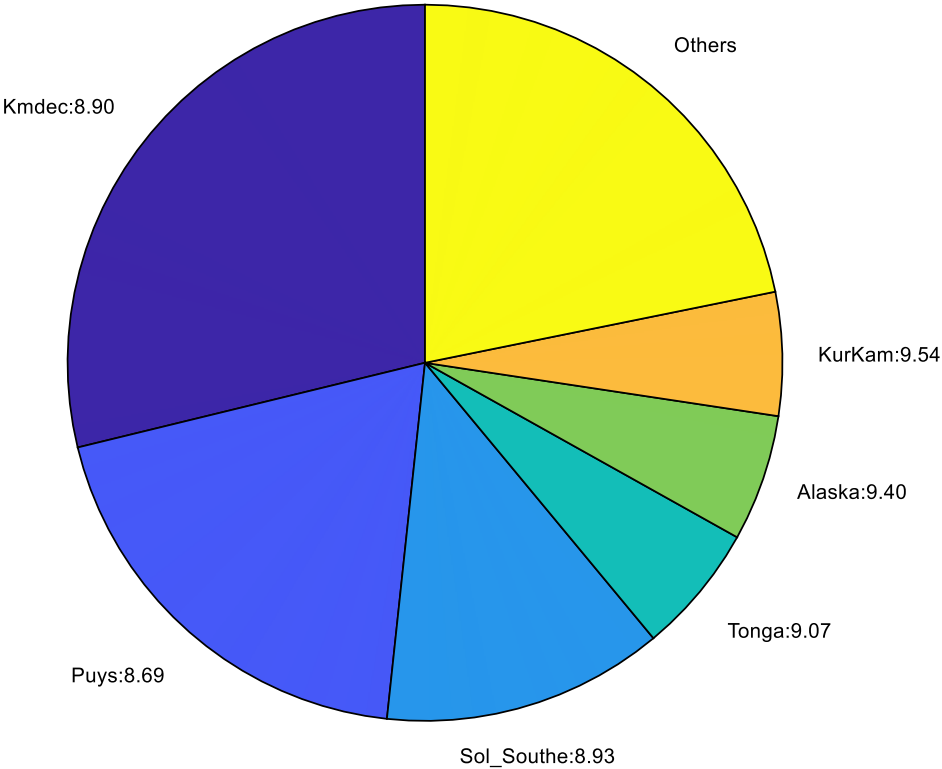
Deaggregation of Section:230, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.52 m



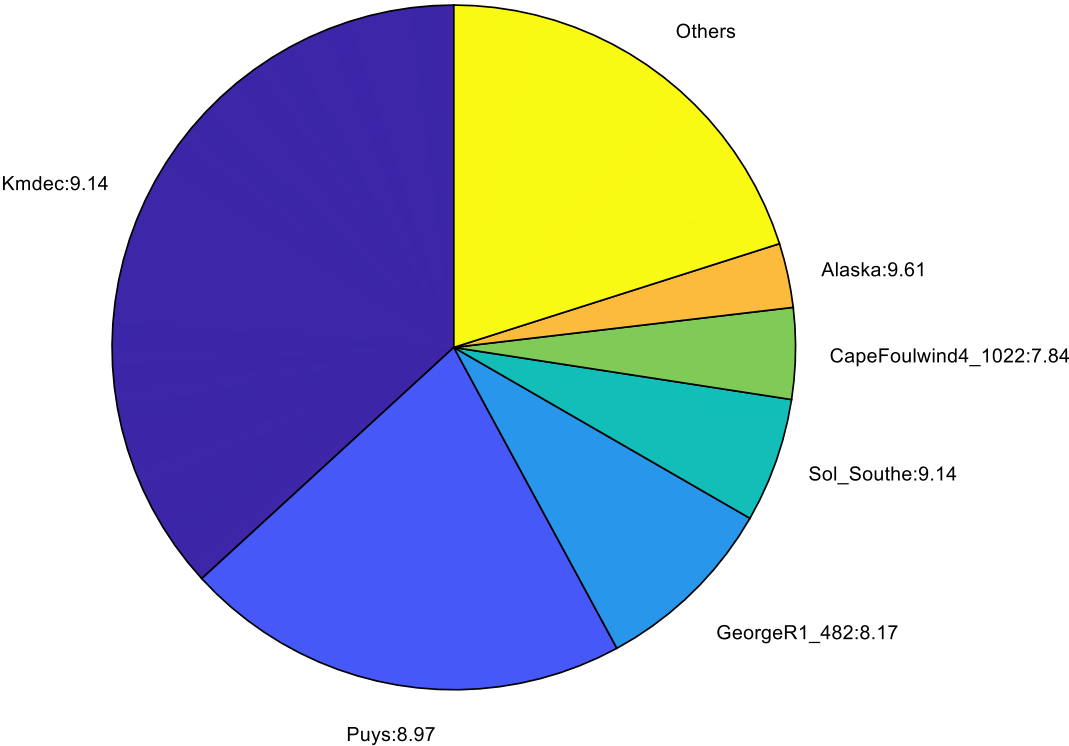
### A1.231 Coastal Section 231: Charleston



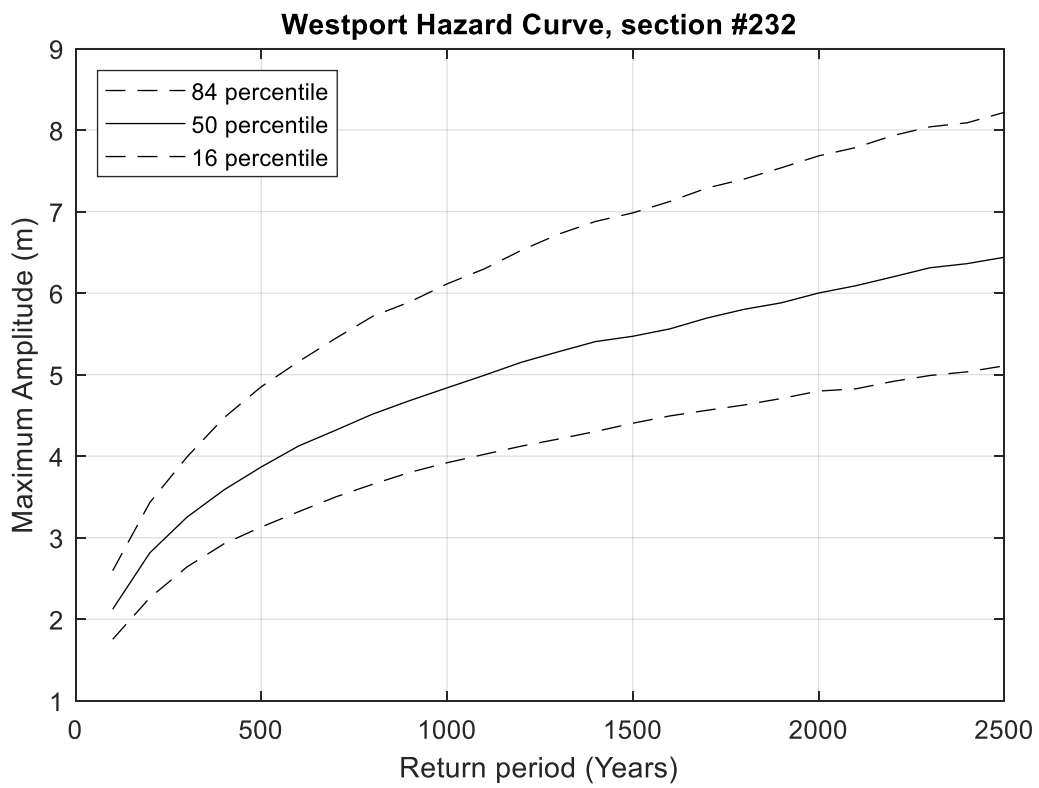
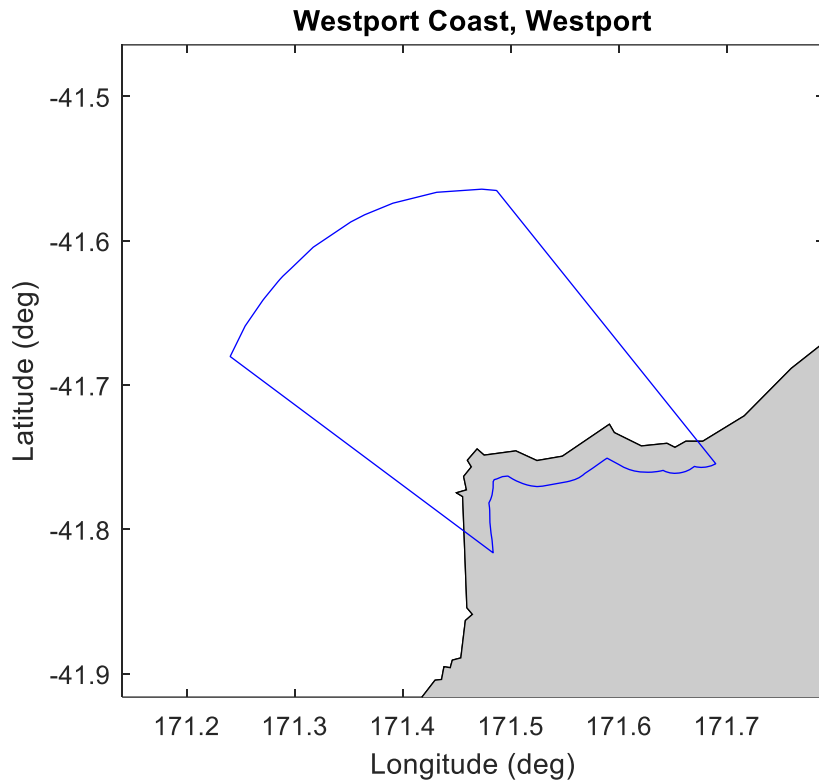
Deaggregation of Section:231, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.40 m



Deaggregation of Section:231, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.09 m

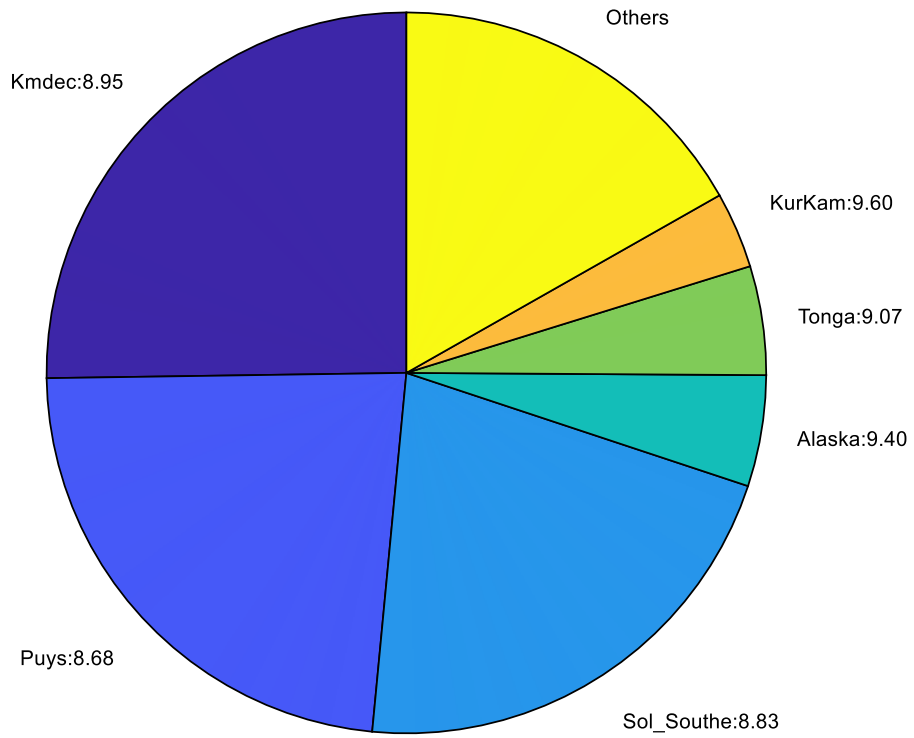


### A1.232 Coastal Section 232: Westport

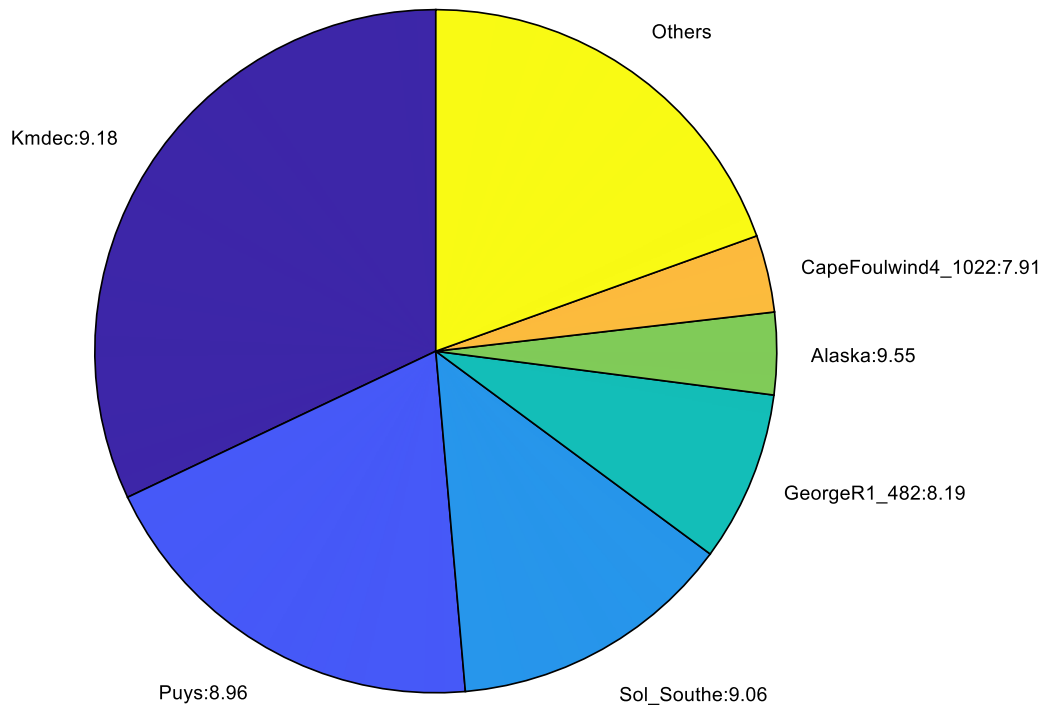




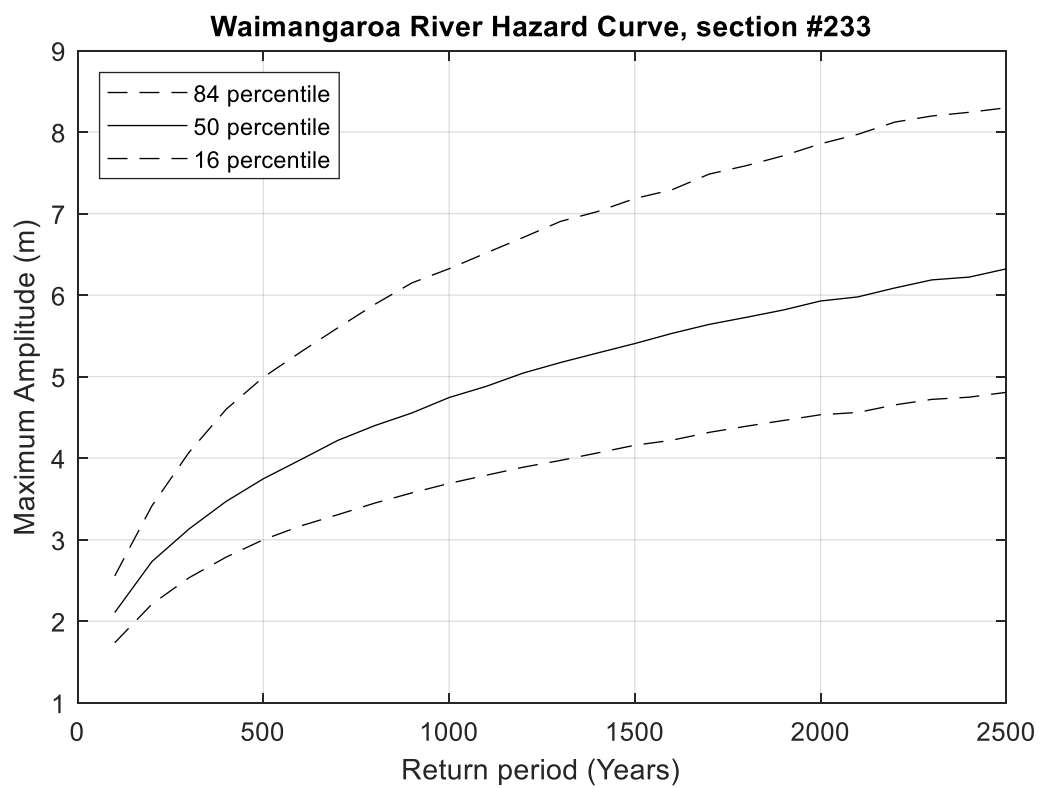
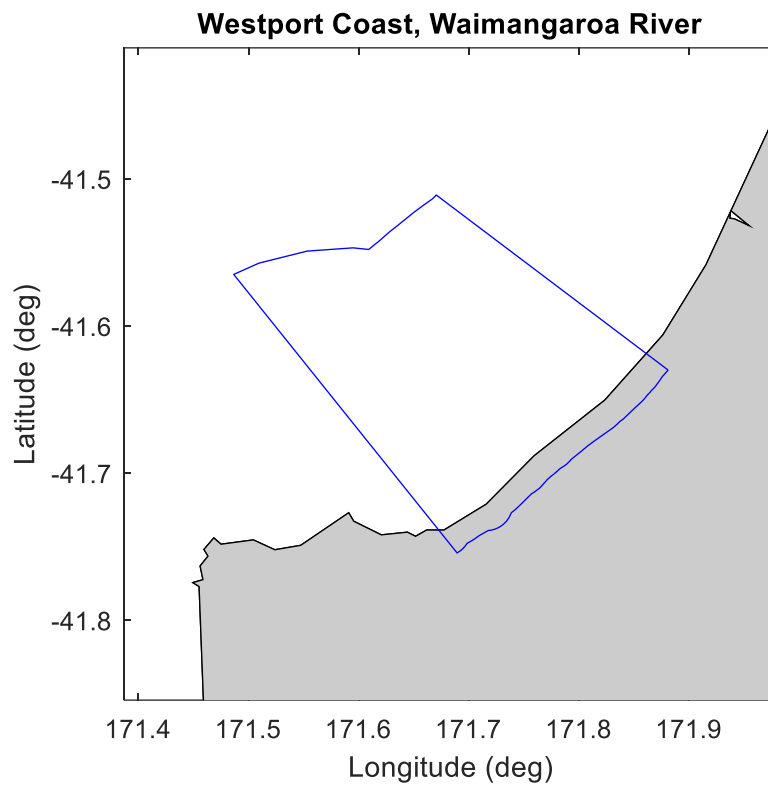
Deaggregation of Section:232, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.87 m



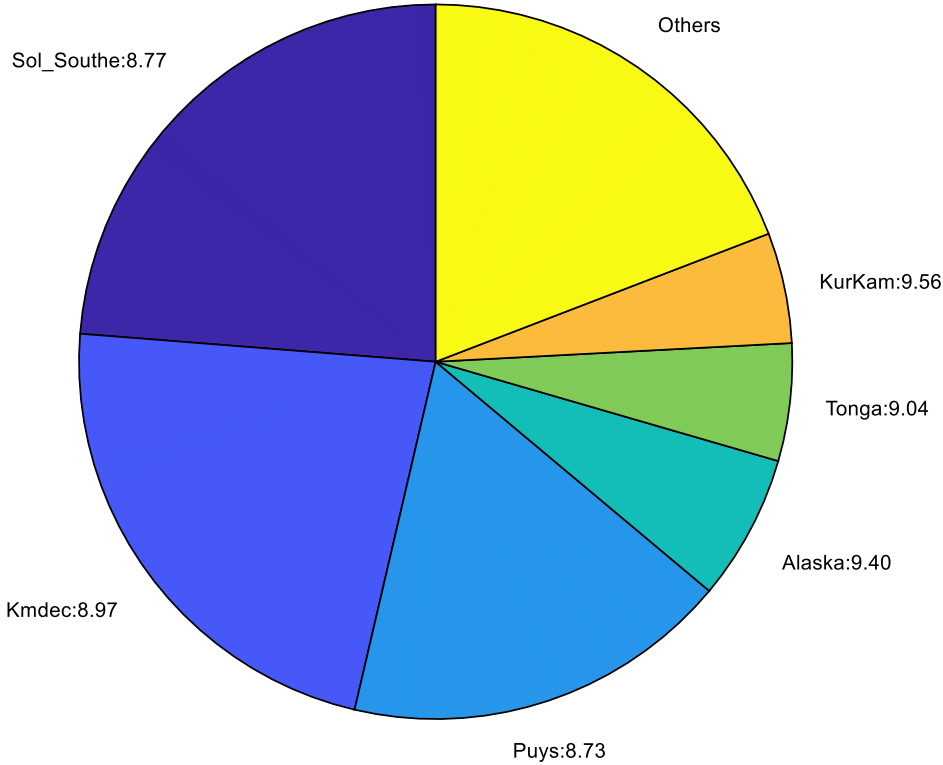
Deaggregation of Section:232, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.44 m



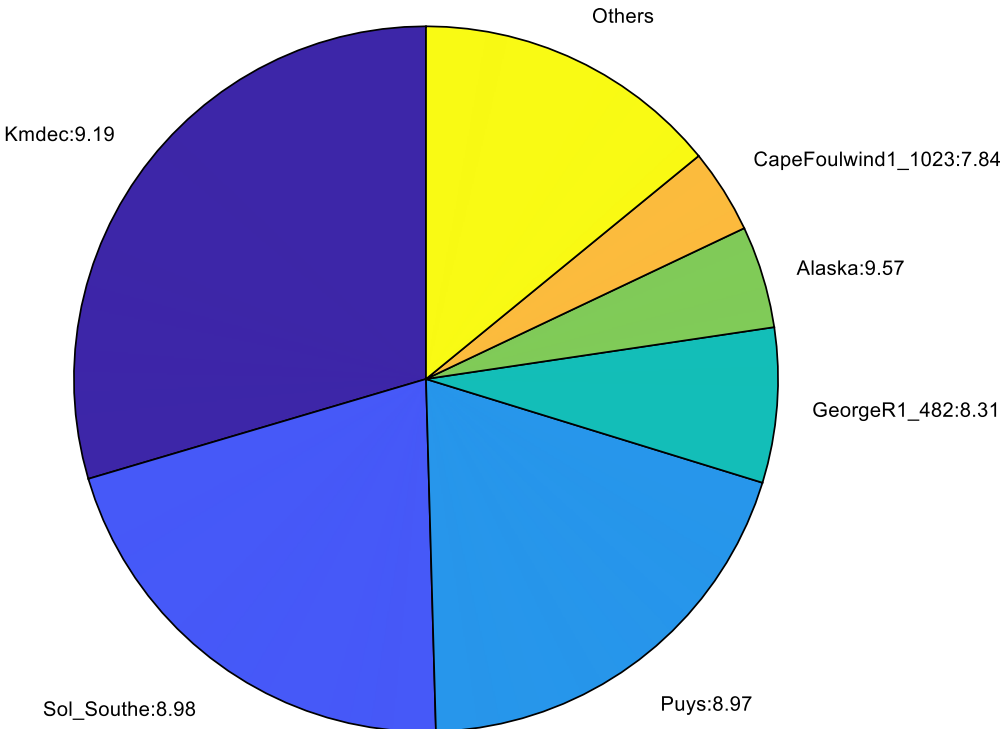
### A1.233 Coastal Section 233: Waimangaroa River



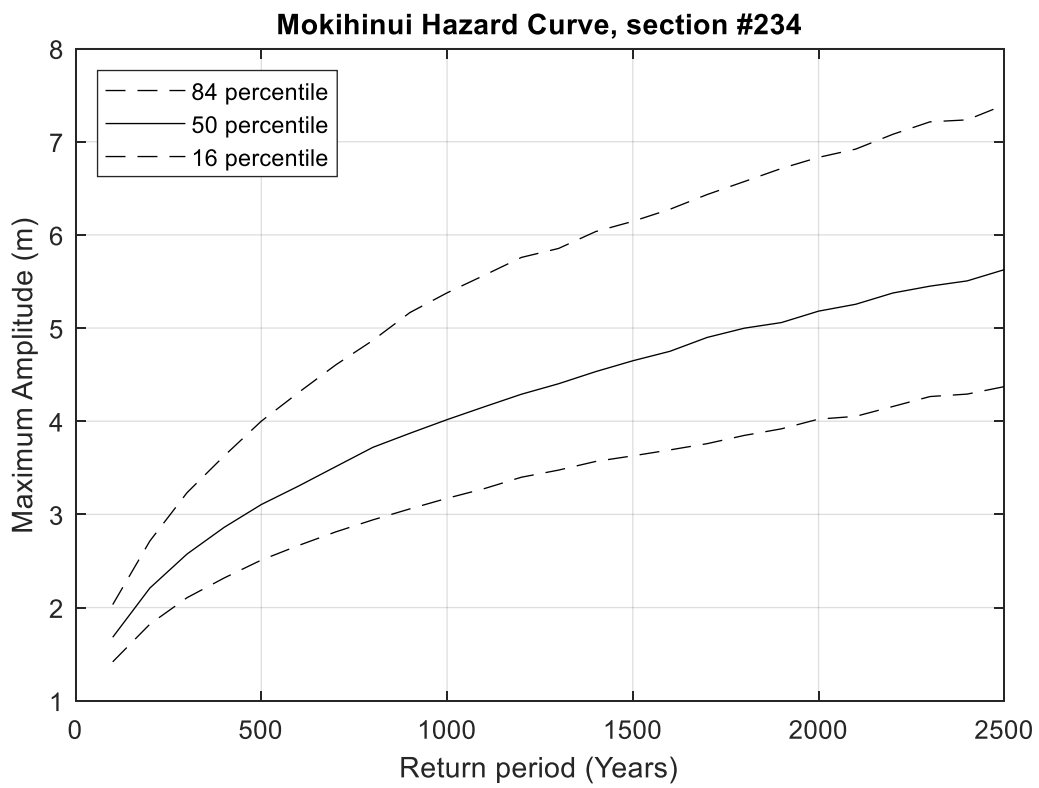
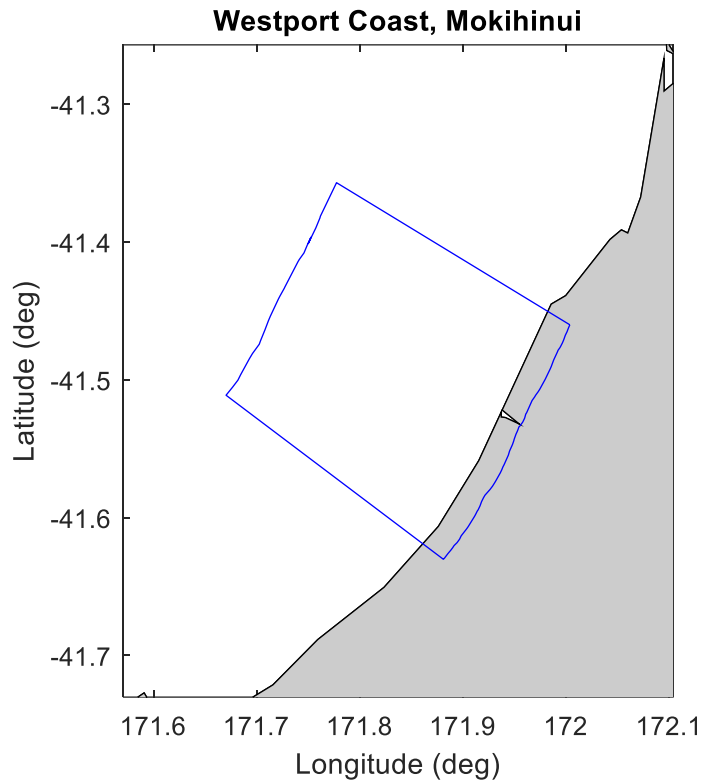
Deaggregation of Section:233, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.75 m



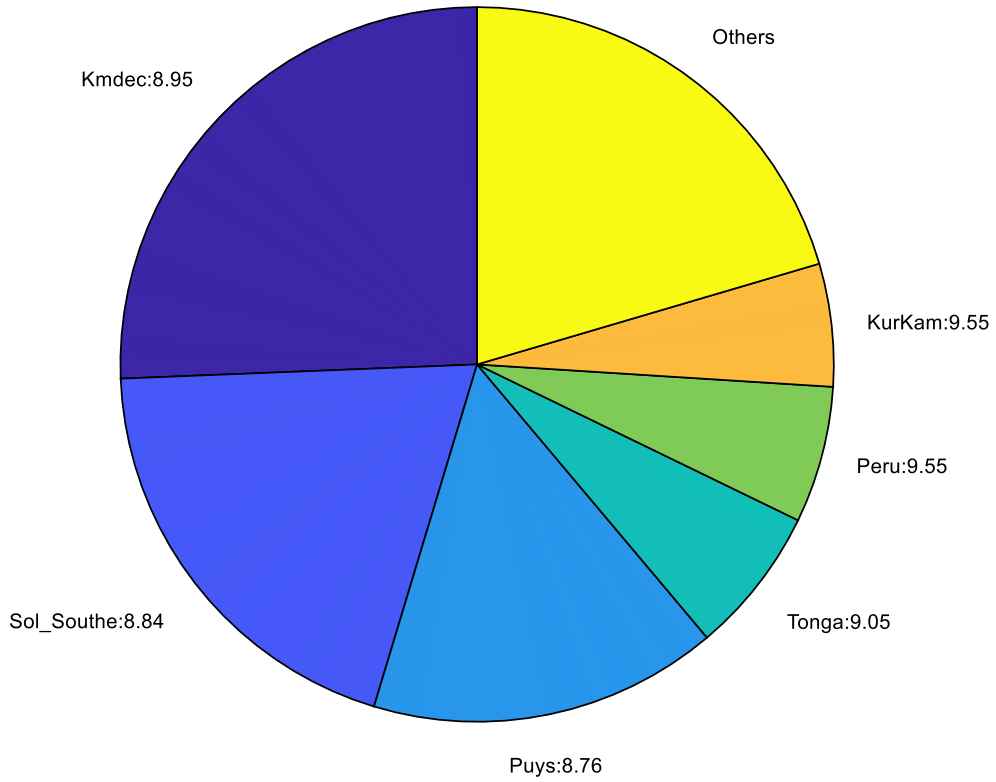
Deaggregation of Section:233, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.32 m



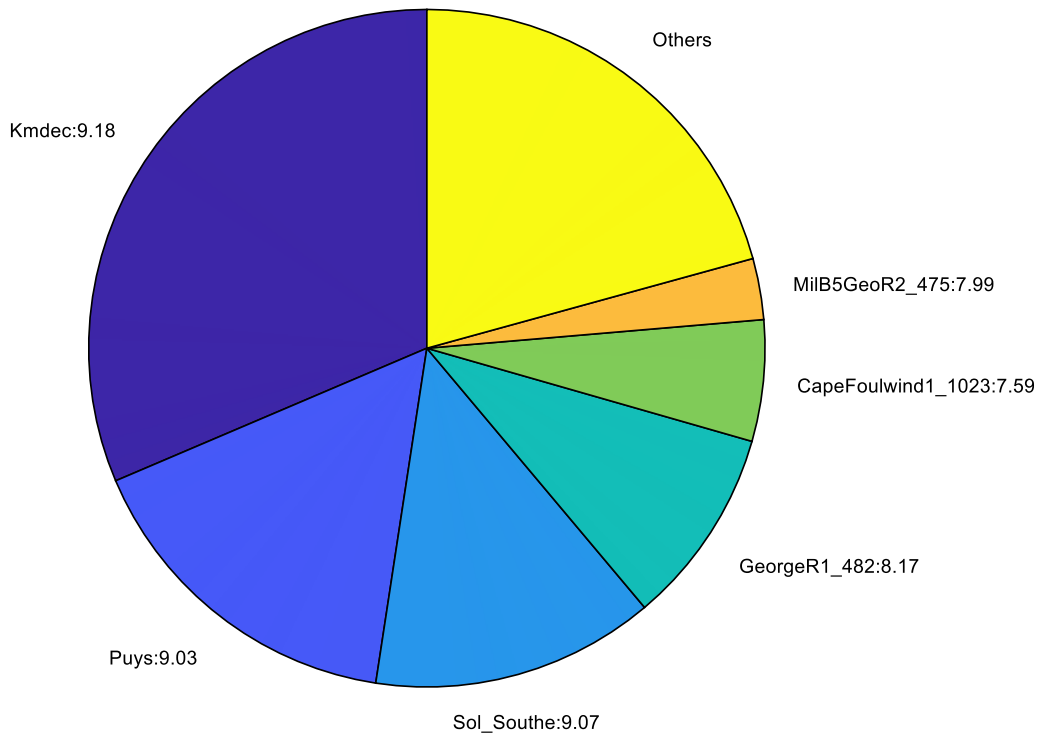
### A1.234 Coastal Section 234: Mokihiui



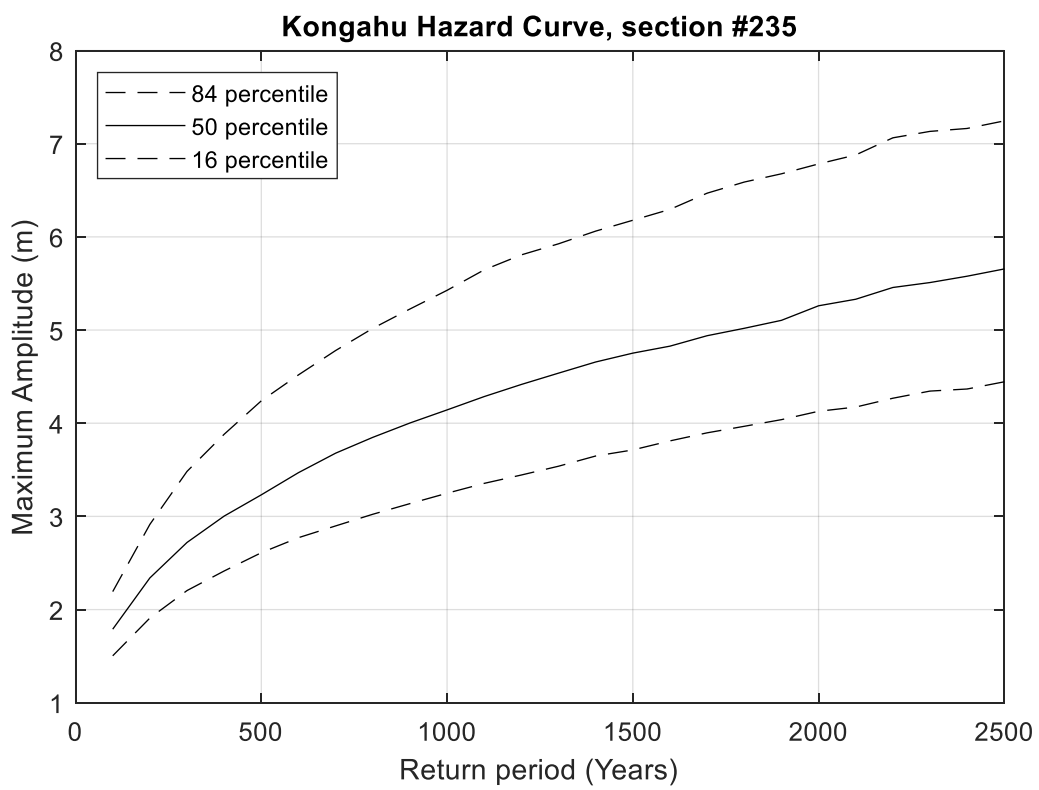
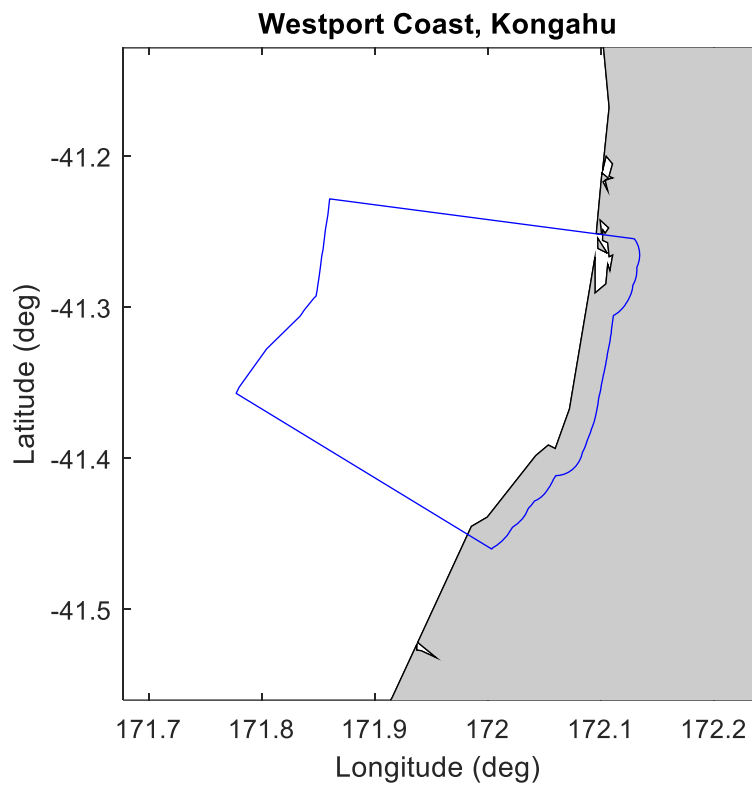
Deaggregation of Section:234, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.11 m



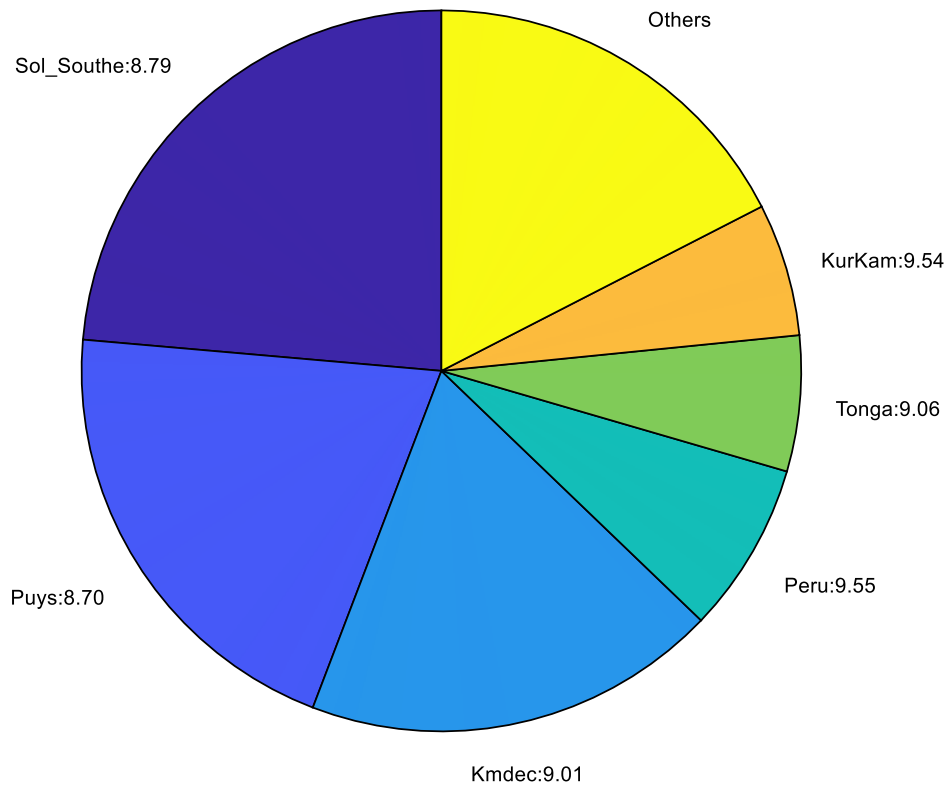
Deaggregation of Section:234, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.62 m



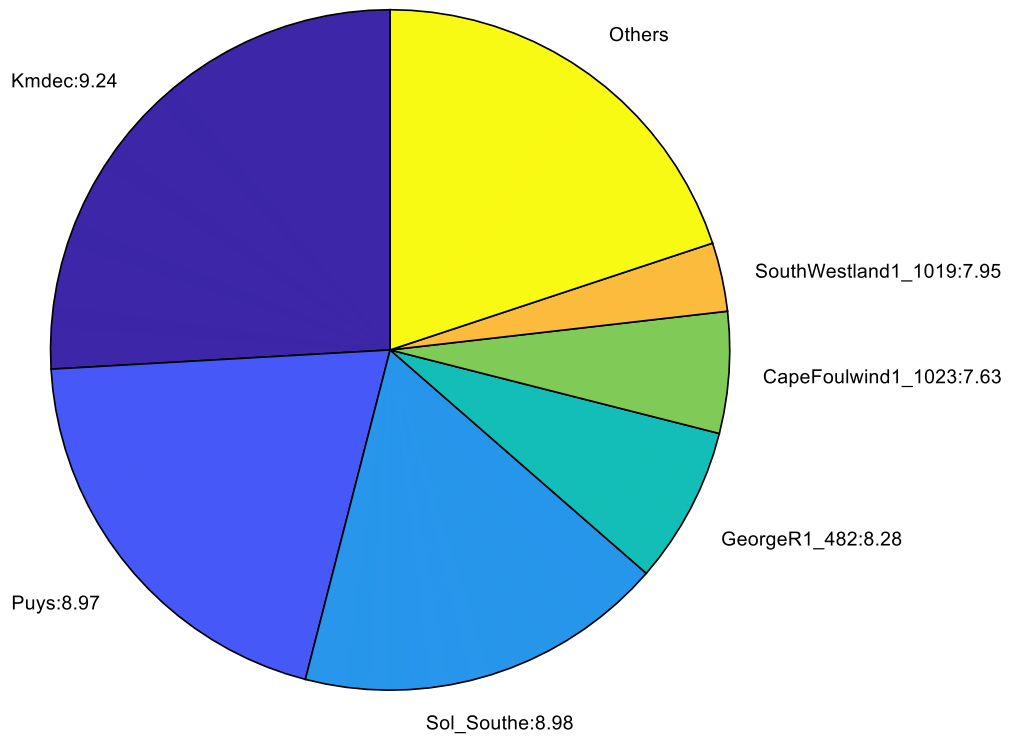
## A1.235 Coastal Section 235: Kongahu



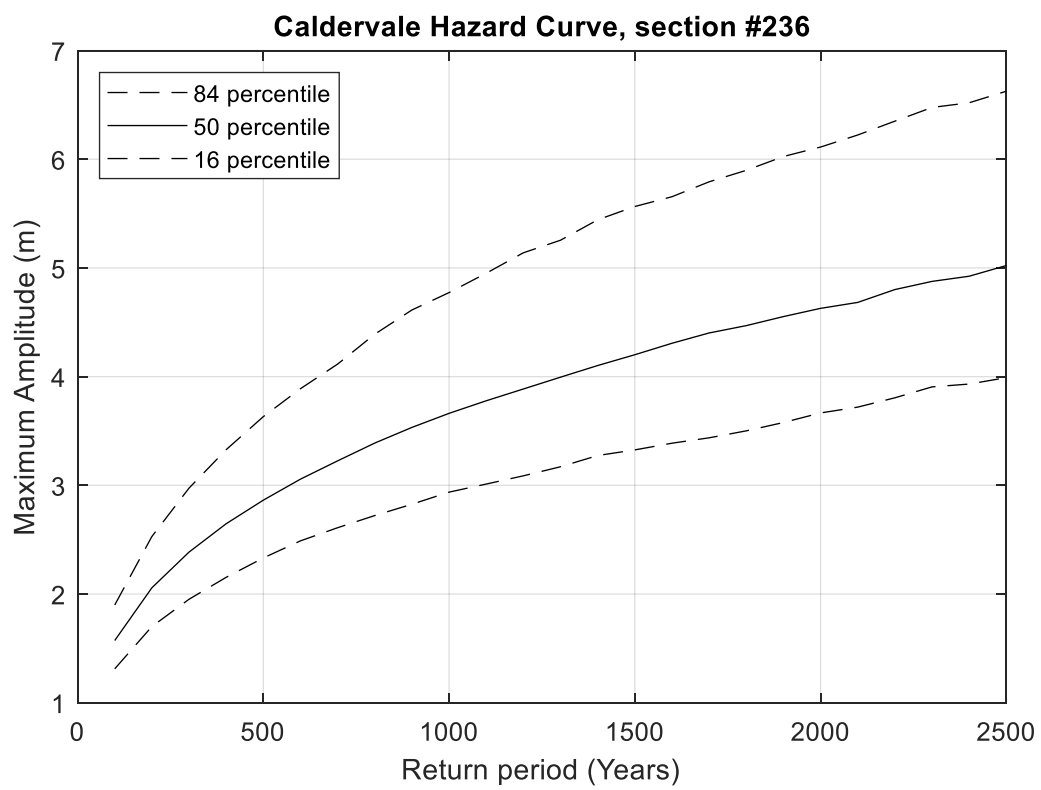
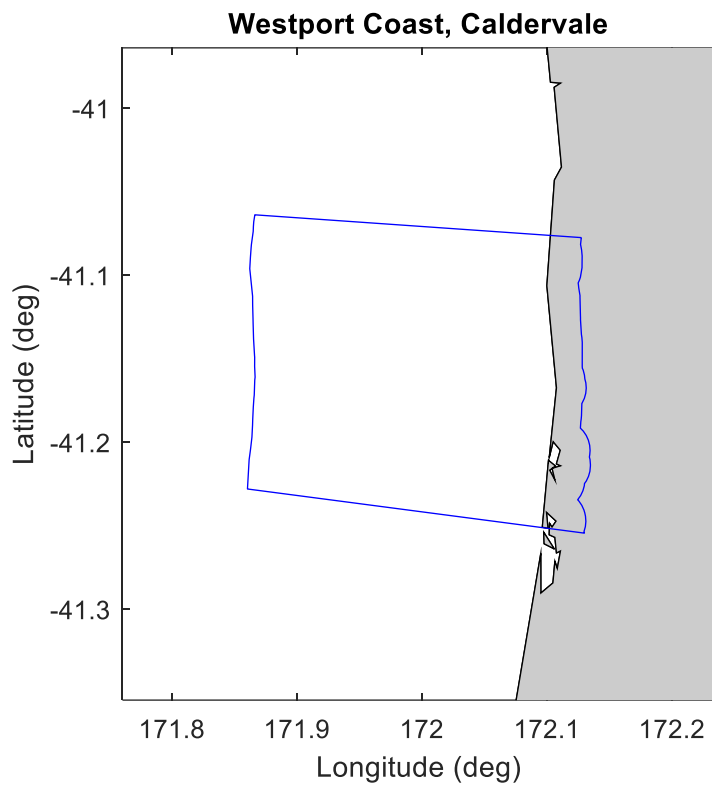
Deaggregation of Section:235, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.23 m



Deaggregation of Section:235, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.65 m

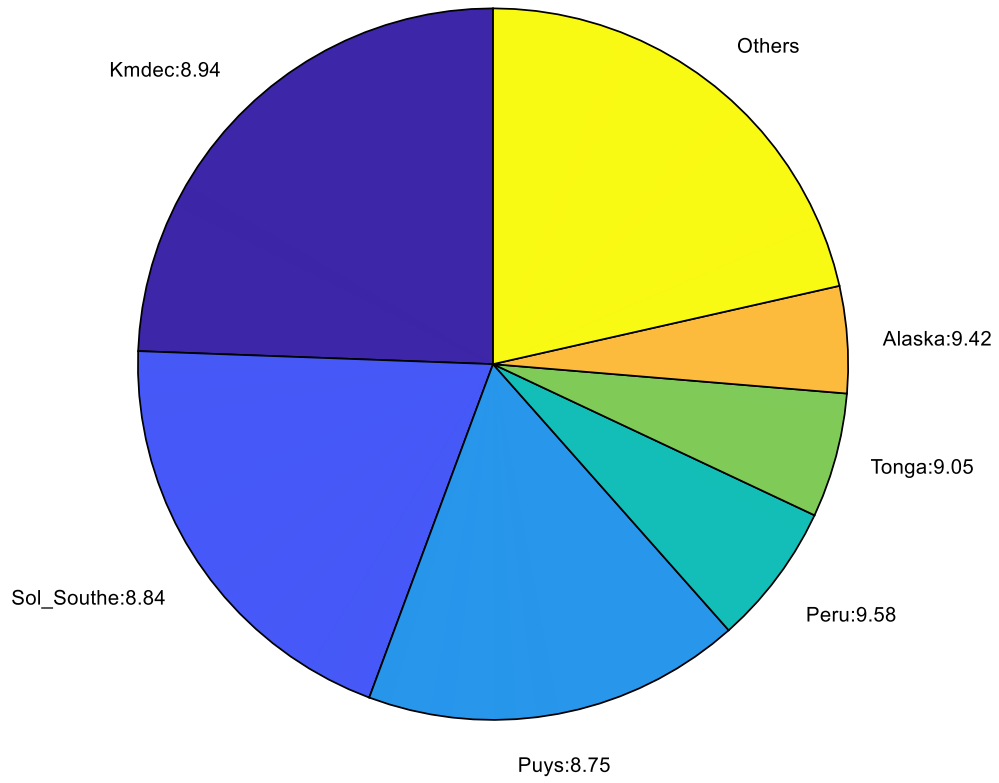


## A1.236 Coastal Section 236: Caldervale

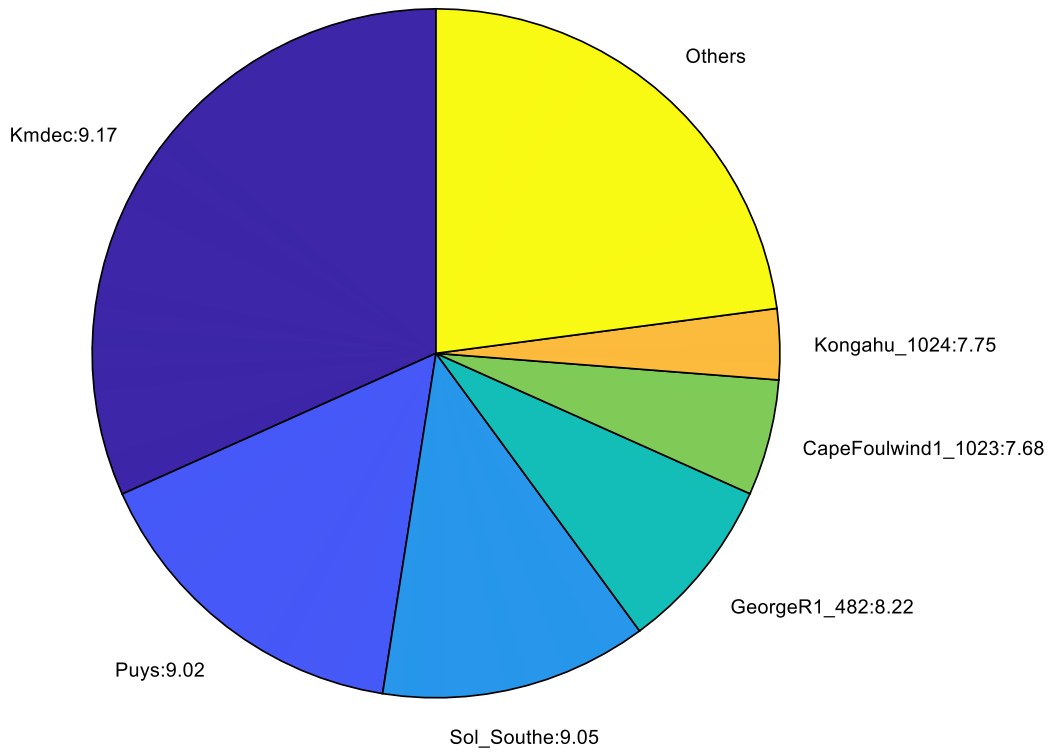




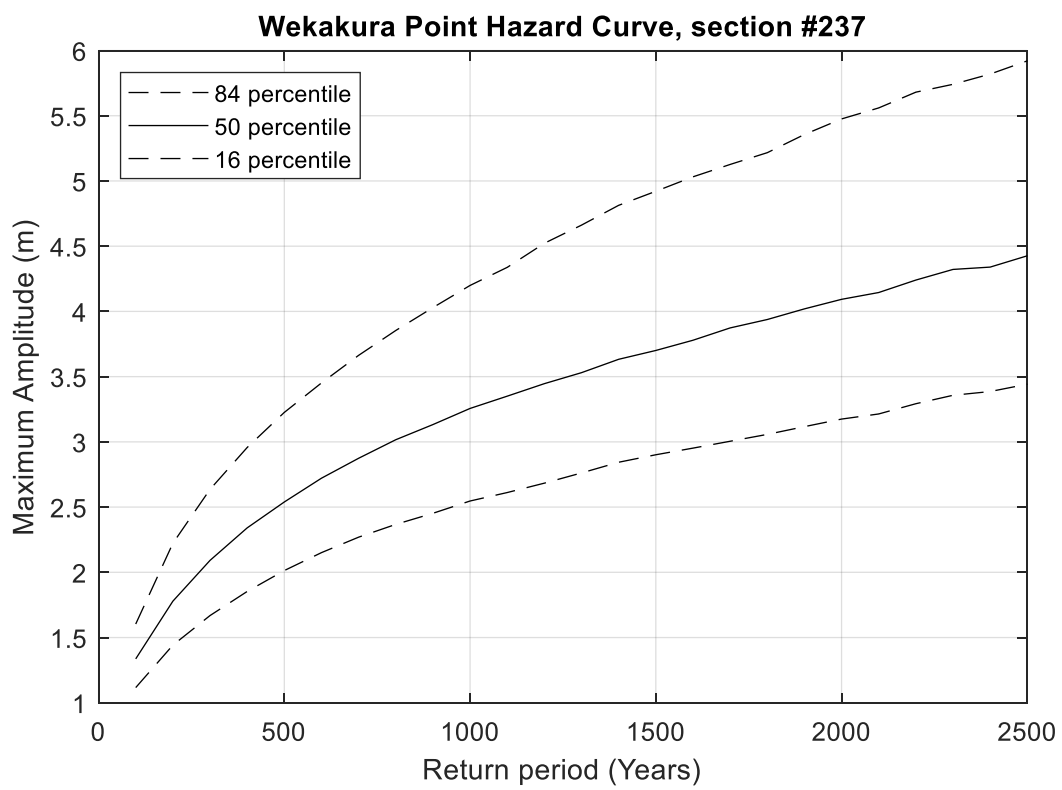
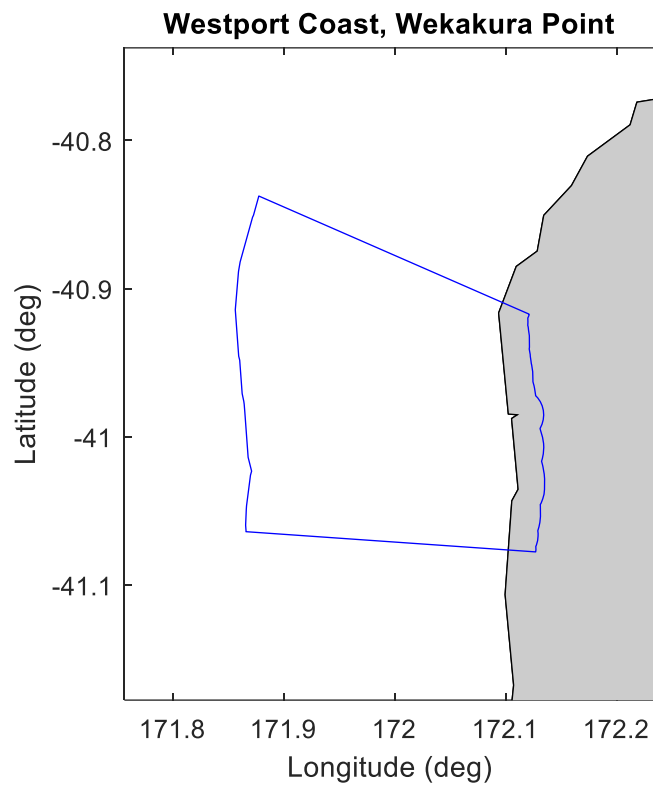
Deaggregation of Section:236, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.86 m



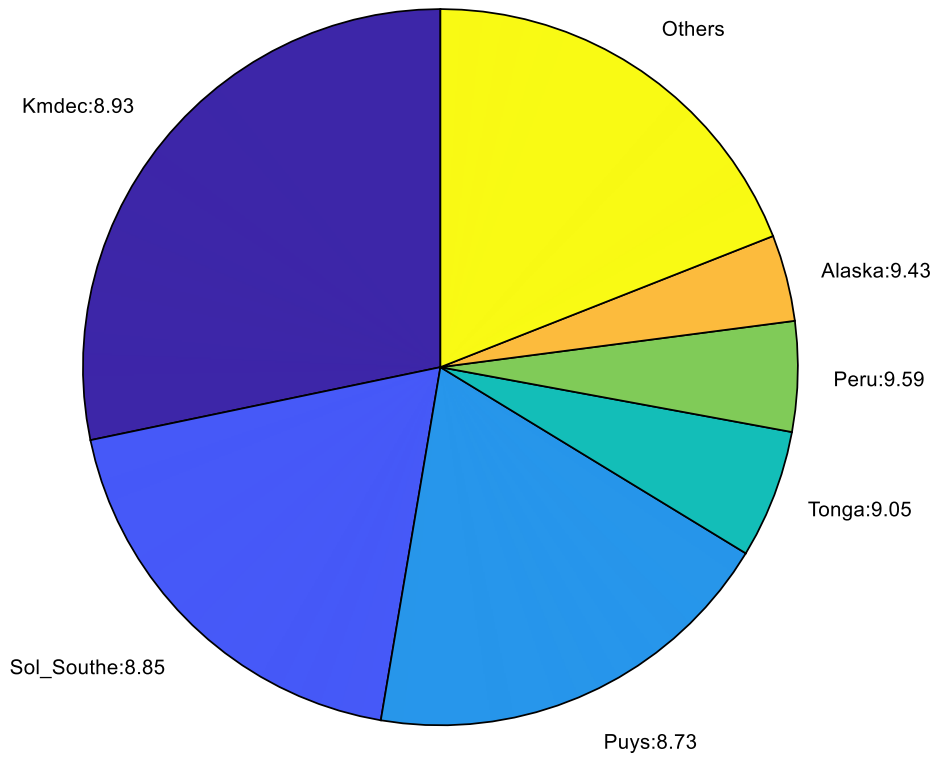
Deaggregation of Section:236, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.01 m



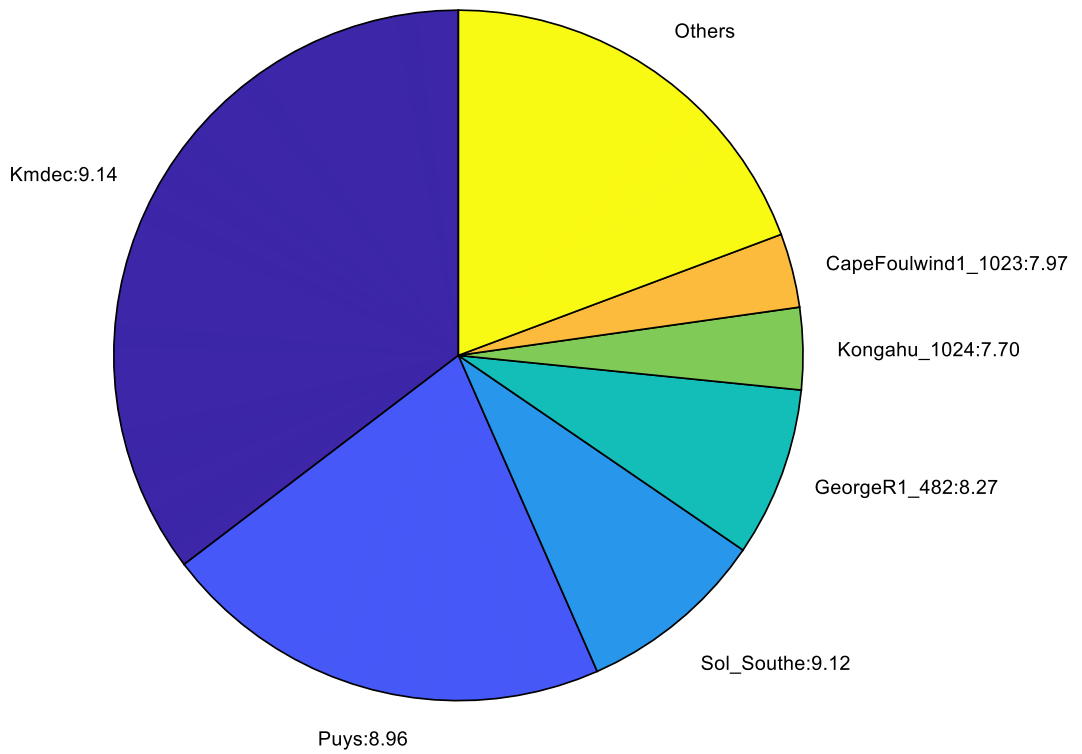
### A1.237 Coastal Section 237: Wekakura Point



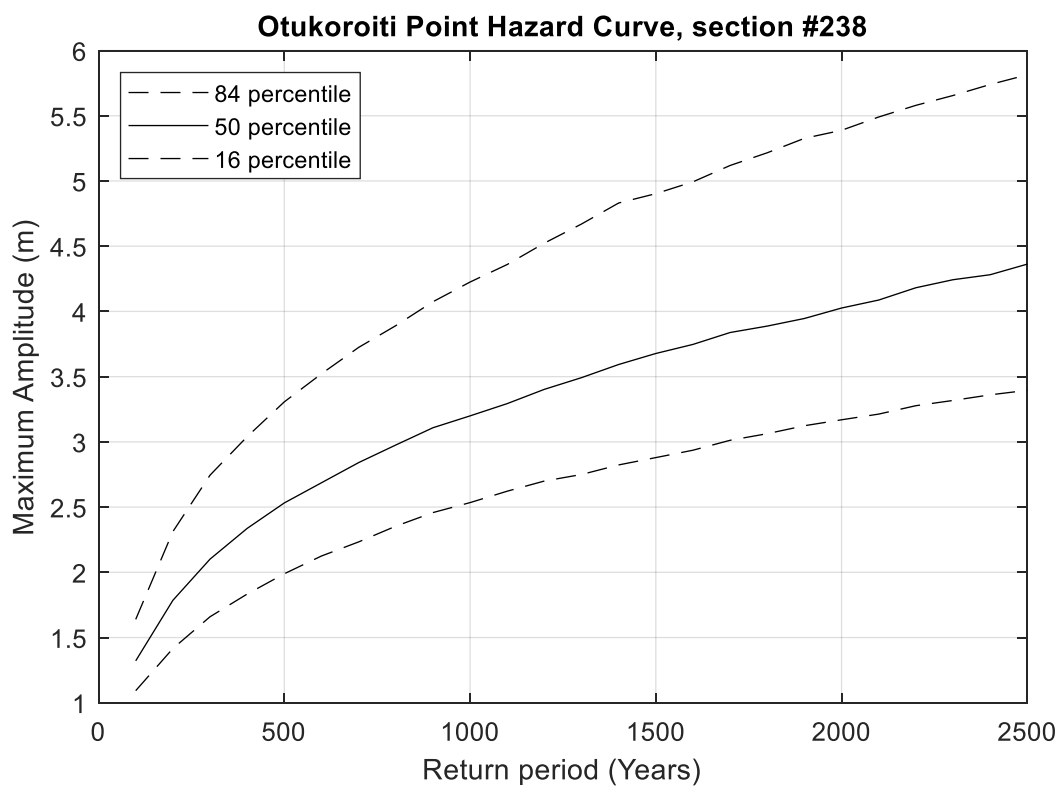
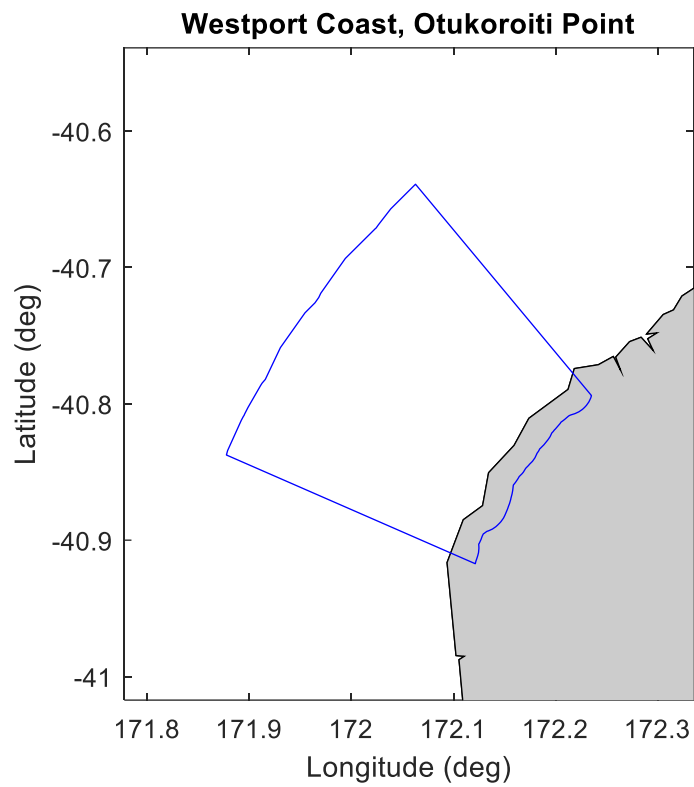
Deaggregation of Section:237, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.54 m



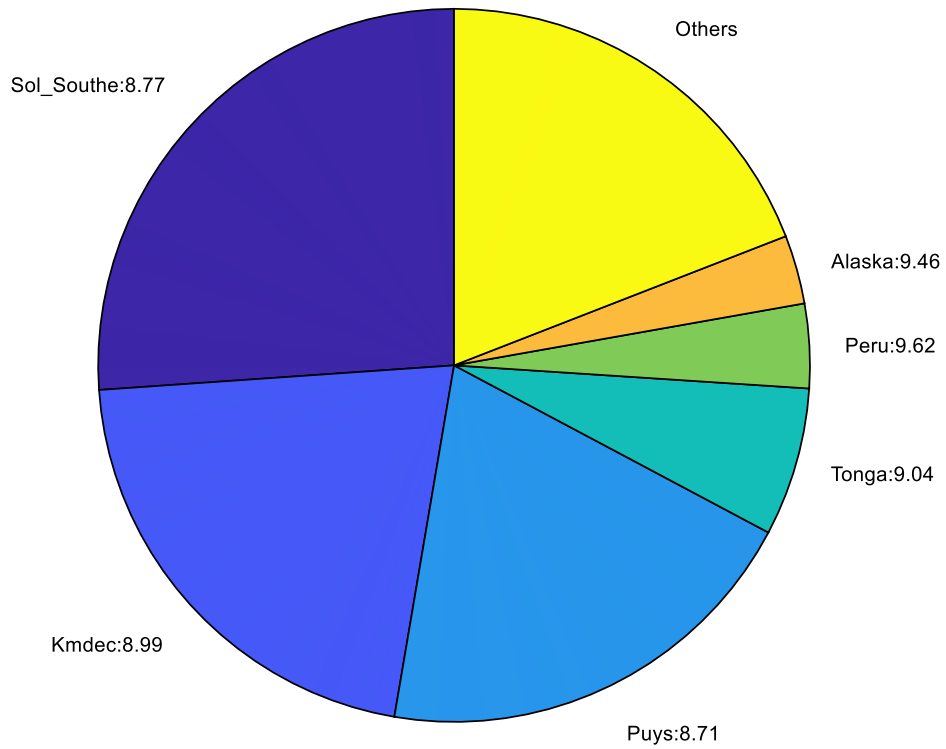
Deaggregation of Section:237, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.42 m



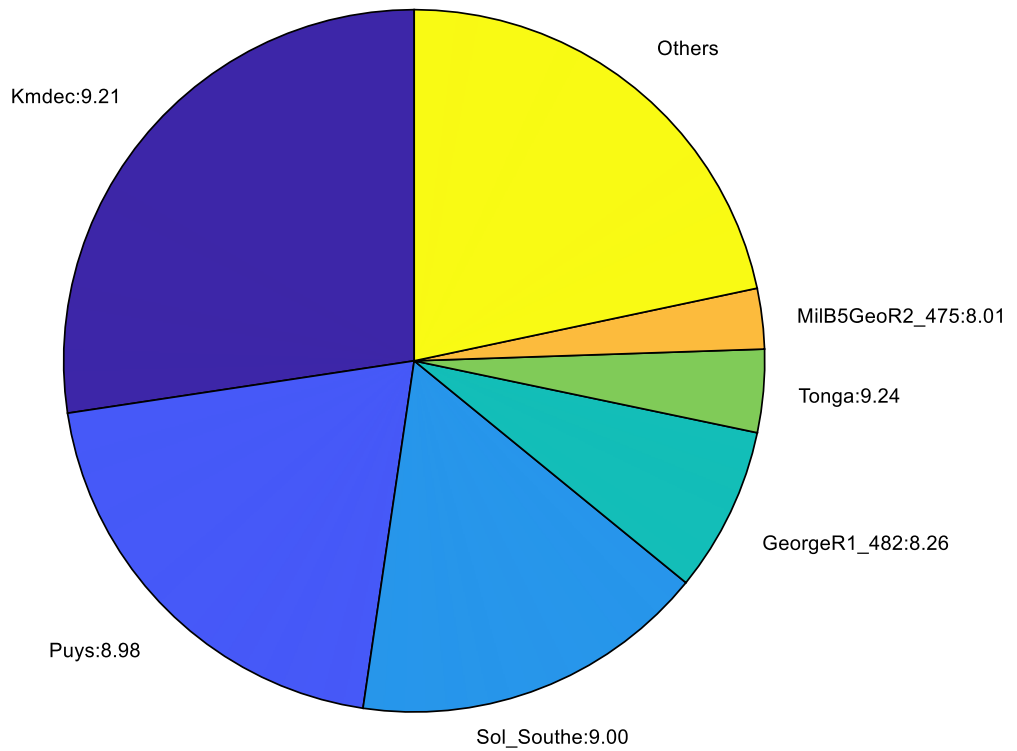
## A1.238 Coastal Section 238: Otukoroiti Point



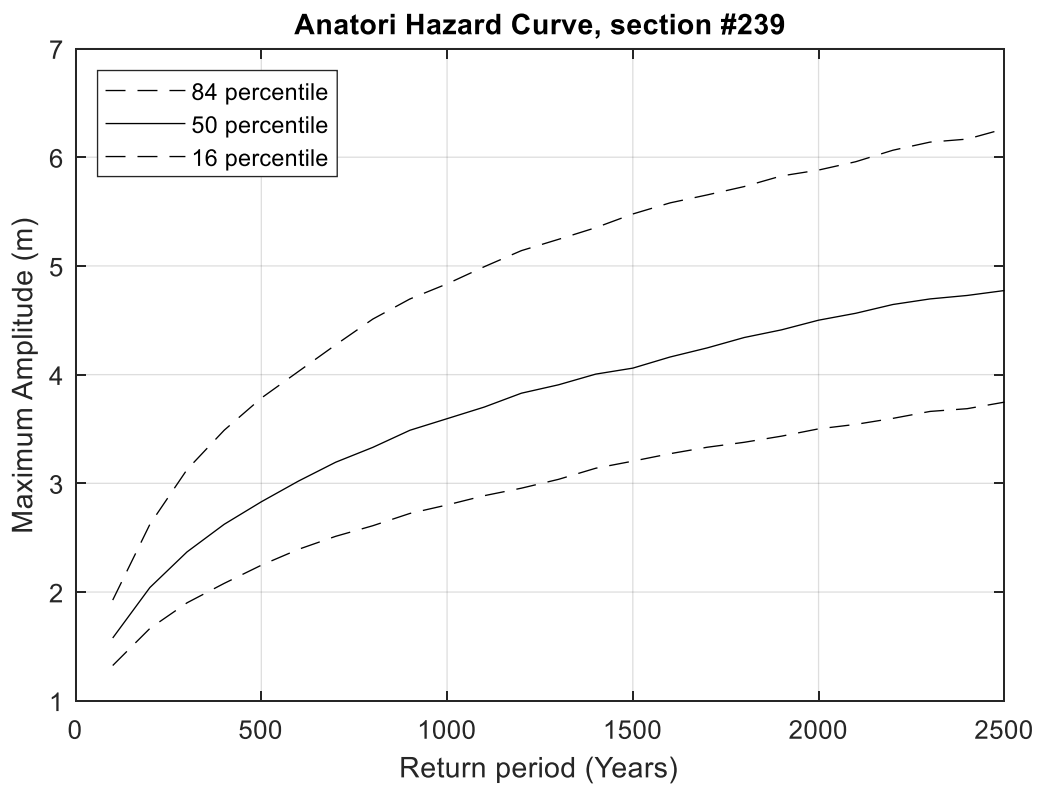
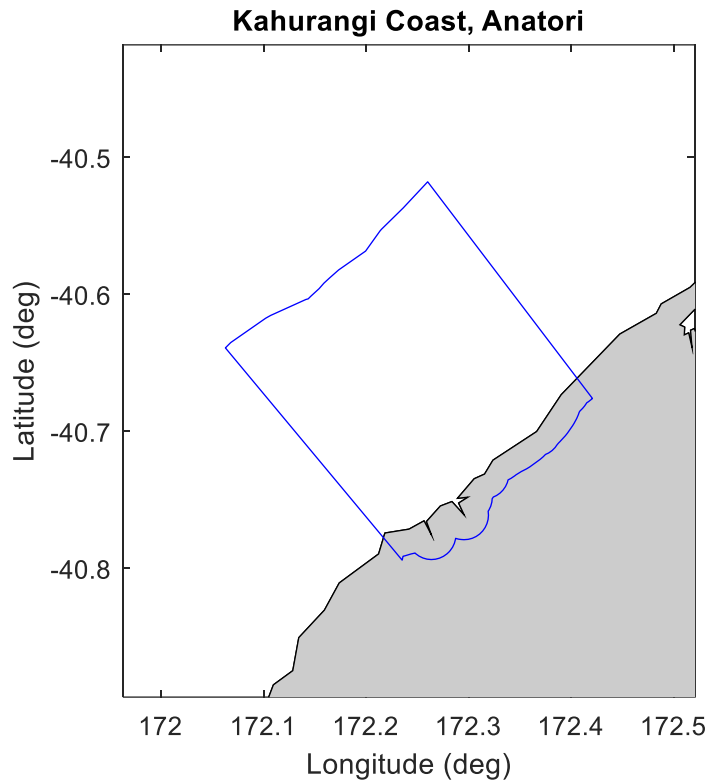
Deaggregation of Section:238, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.53 m



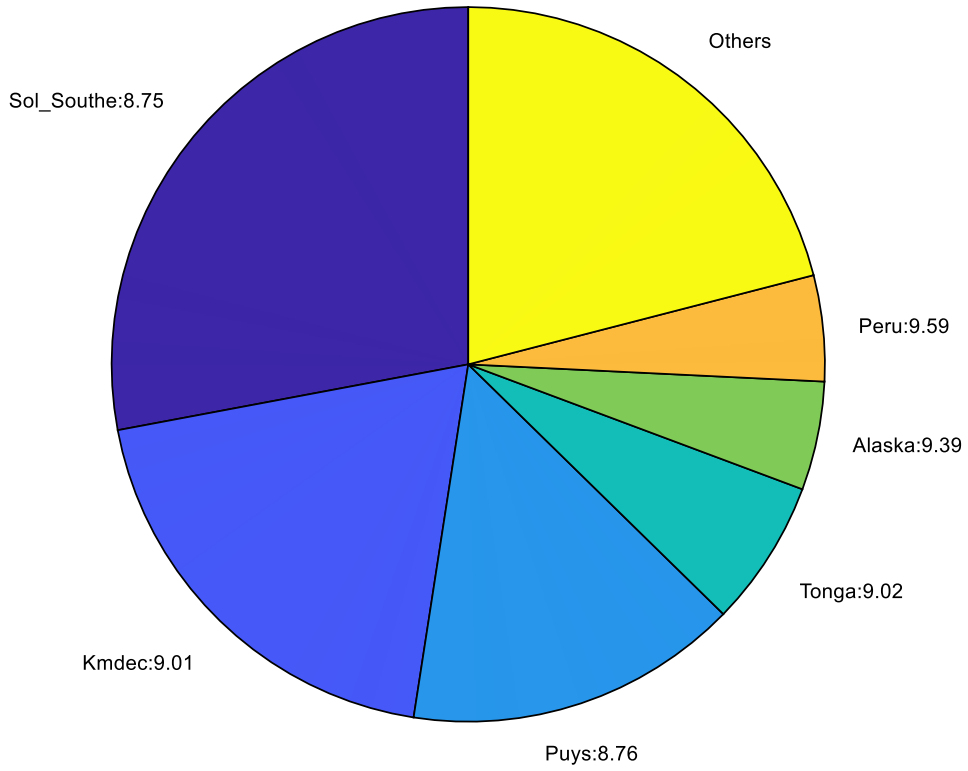
Deaggregation of Section:238, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.36 m



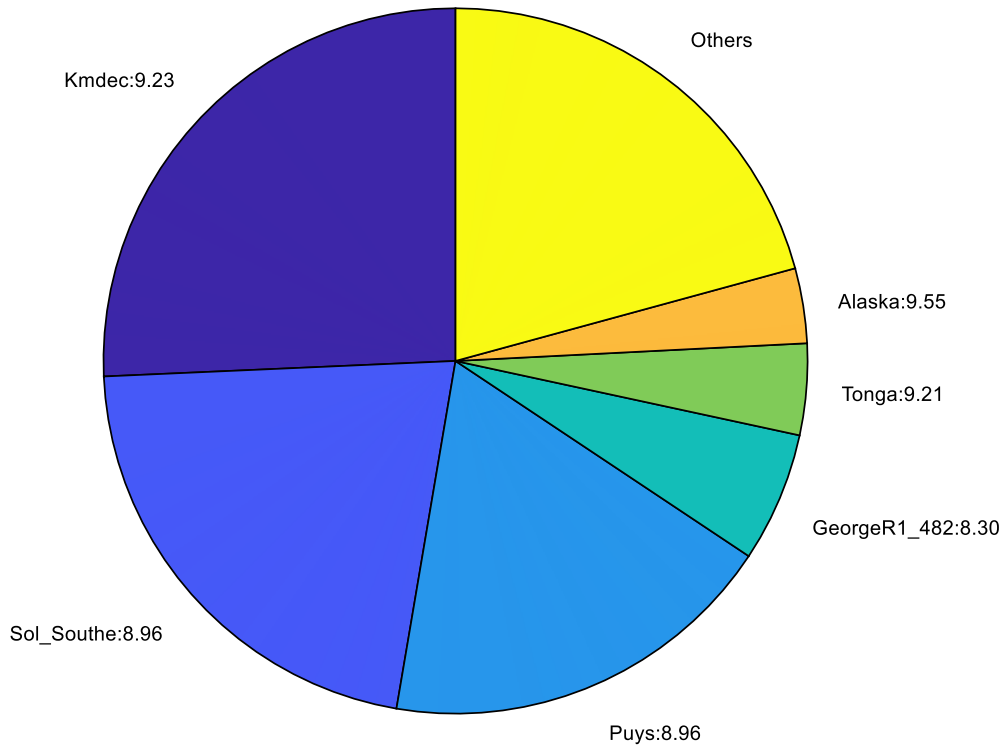
**A1.239 Coastal Section 239: Anatori**



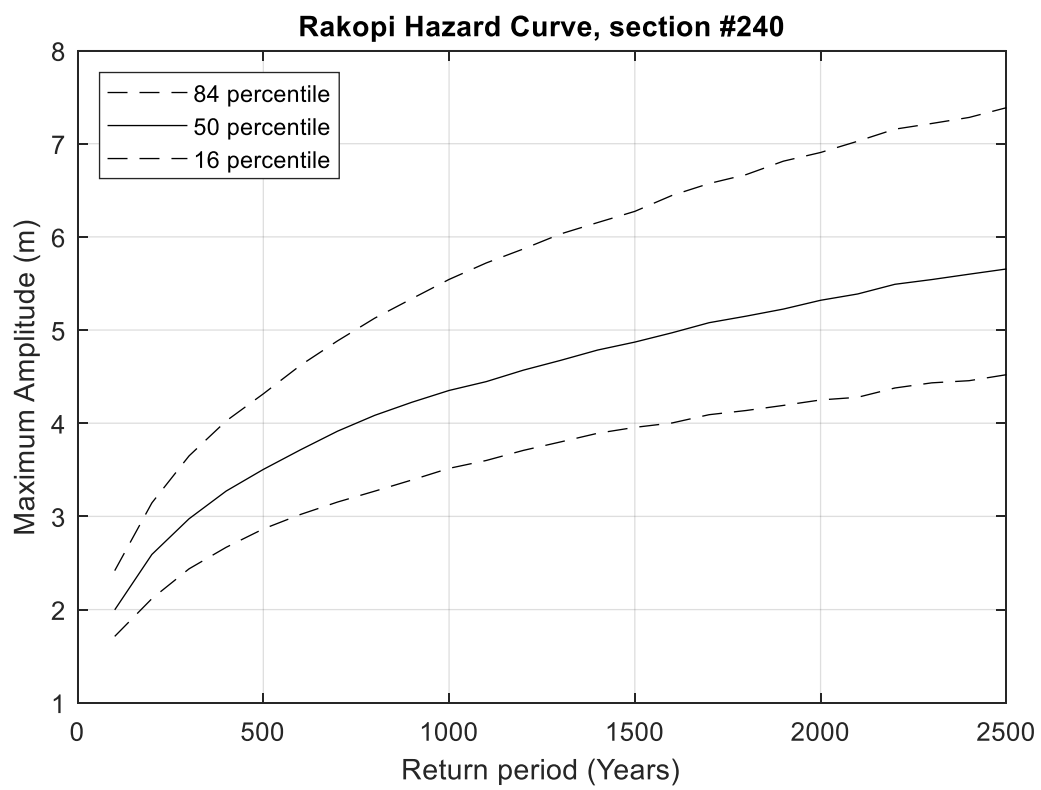
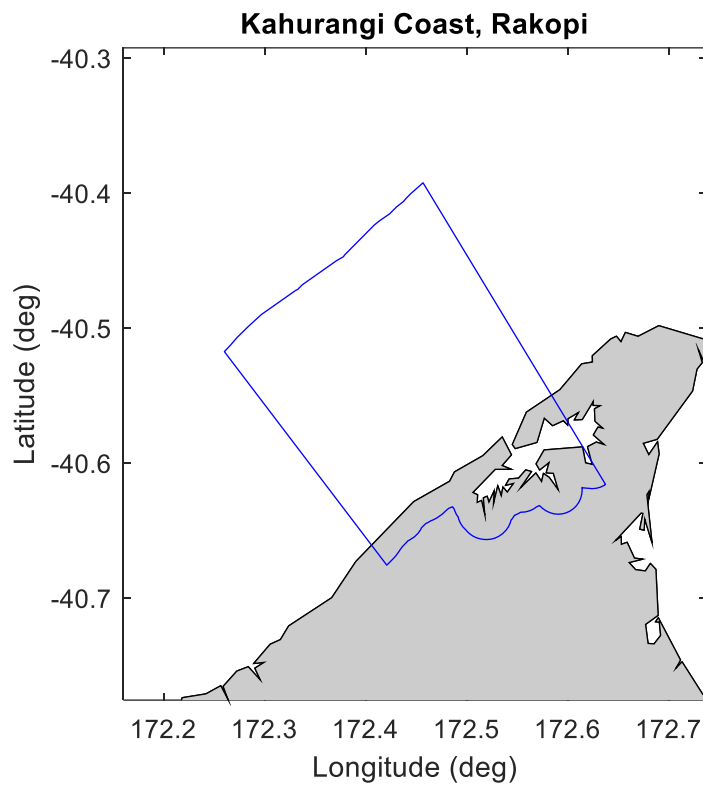
Deaggregation of Section:239, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.83 m



Deaggregation of Section:239, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.76 m

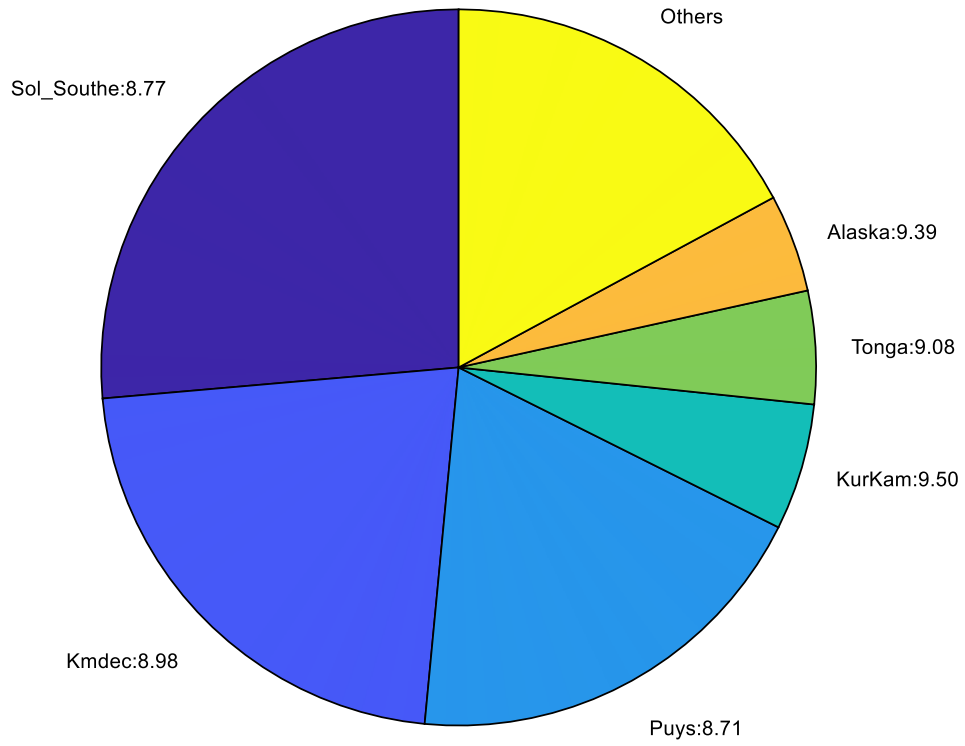


## A1.240 Coastal Section 240: Rakopi

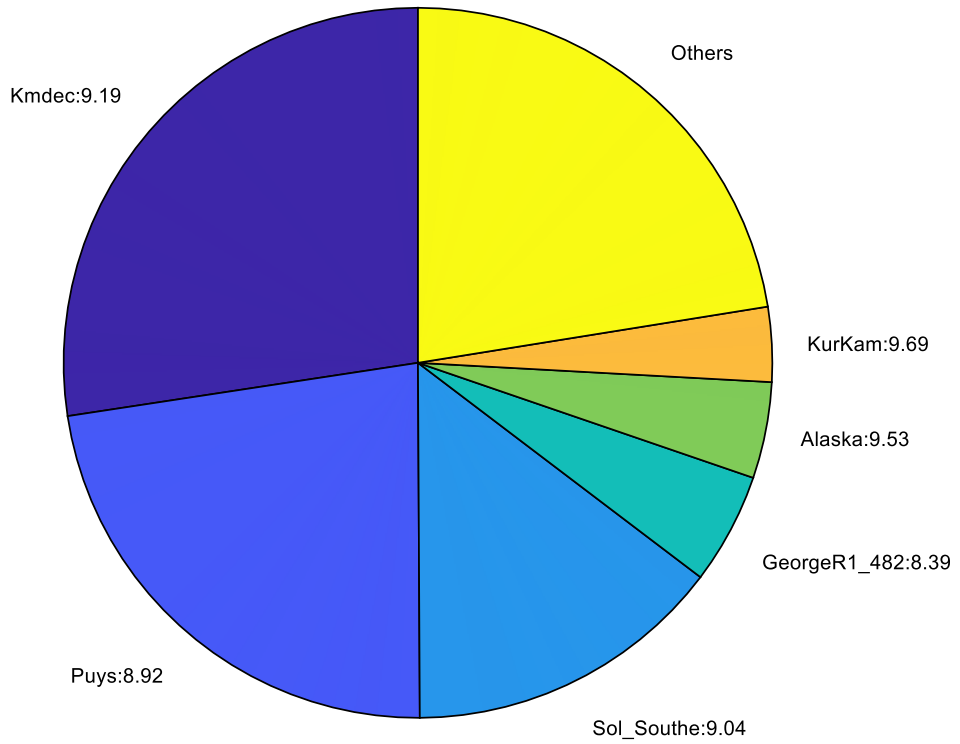




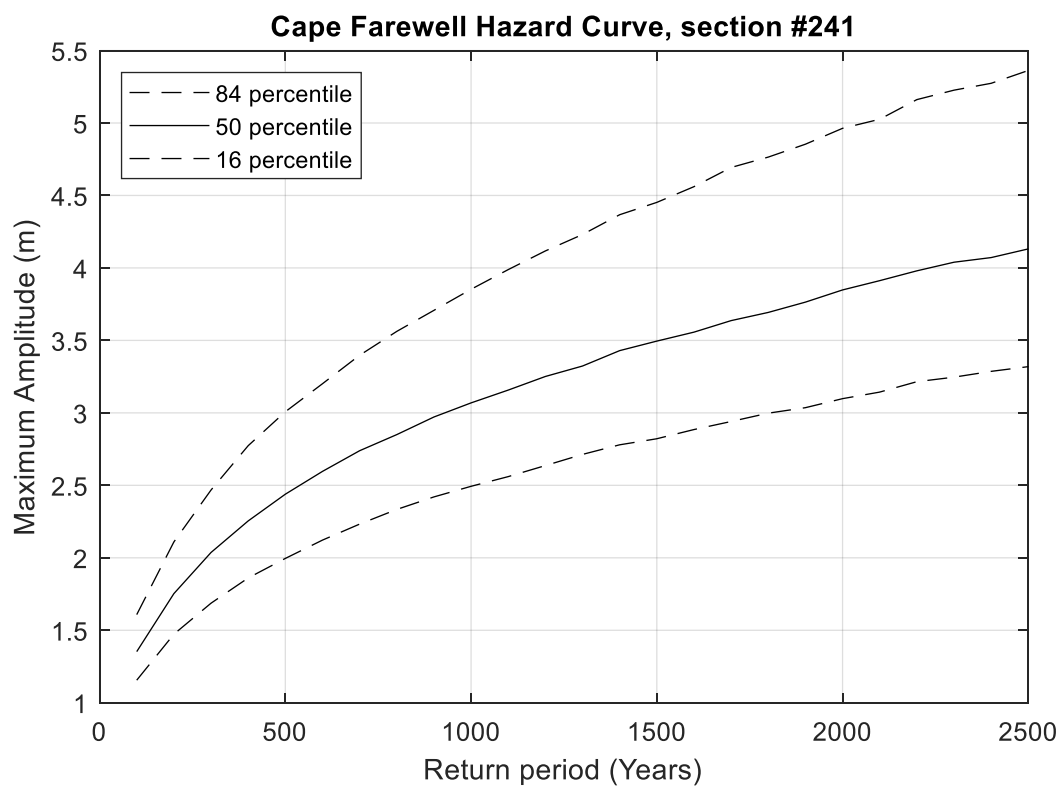
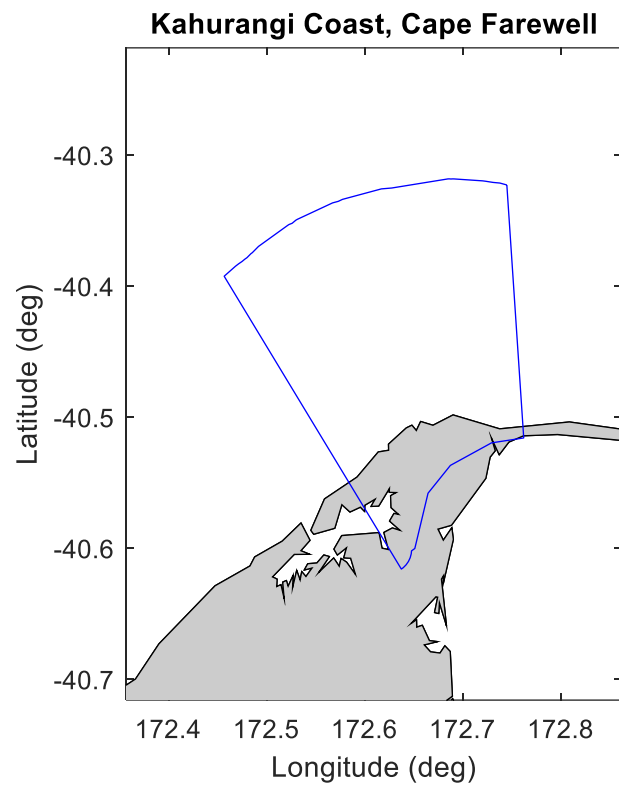
Deaggregation of Section:240, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.50 m



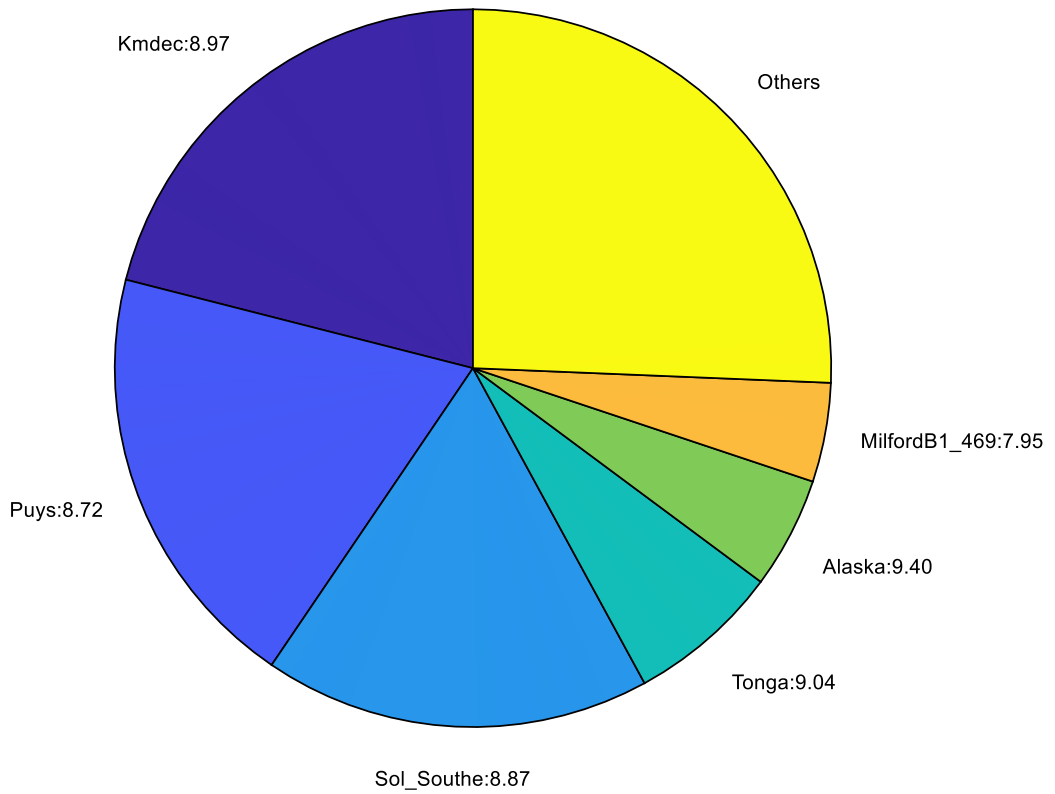
Deaggregation of Section:240, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.65 m



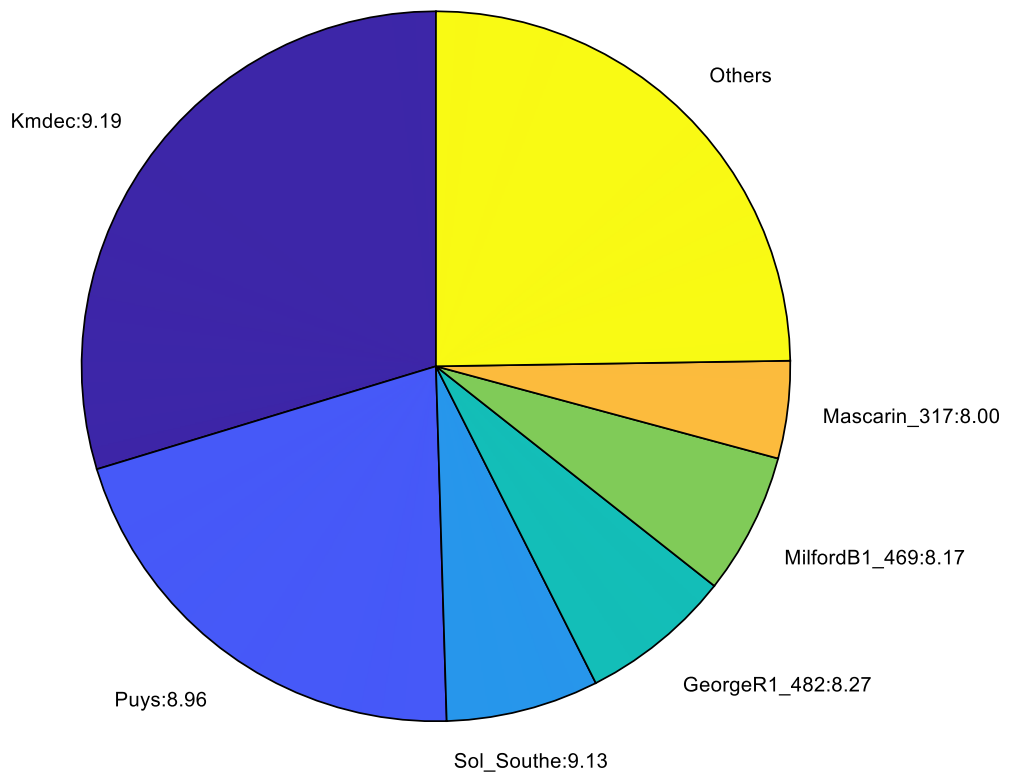
## A1.241 Coastal Section 241: Cape Farewell



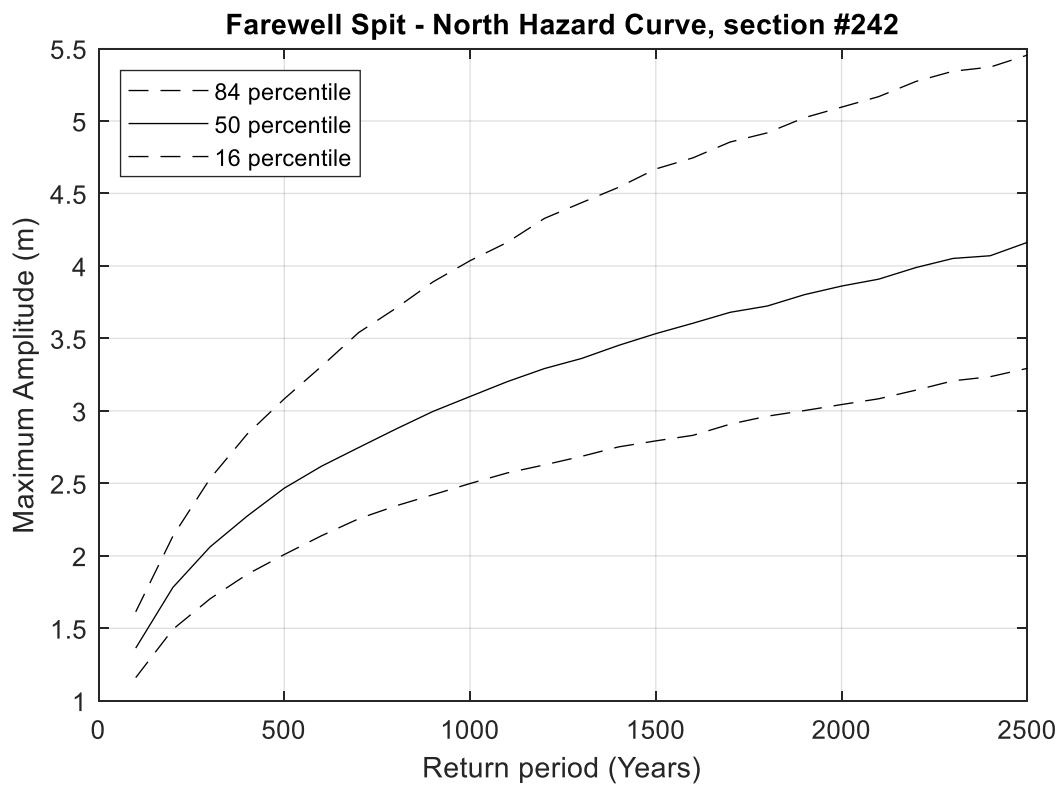
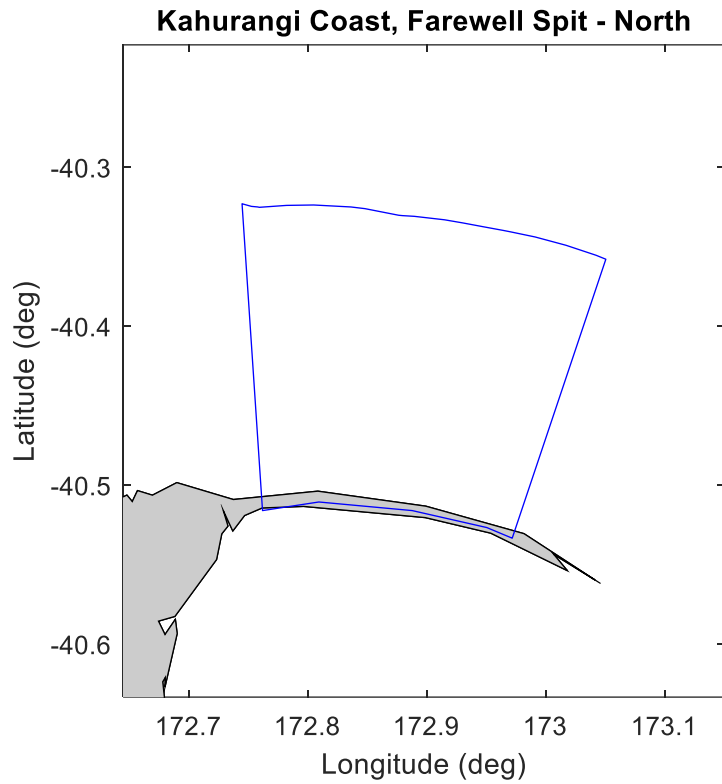
Deaggregation of Section:241, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.44 m



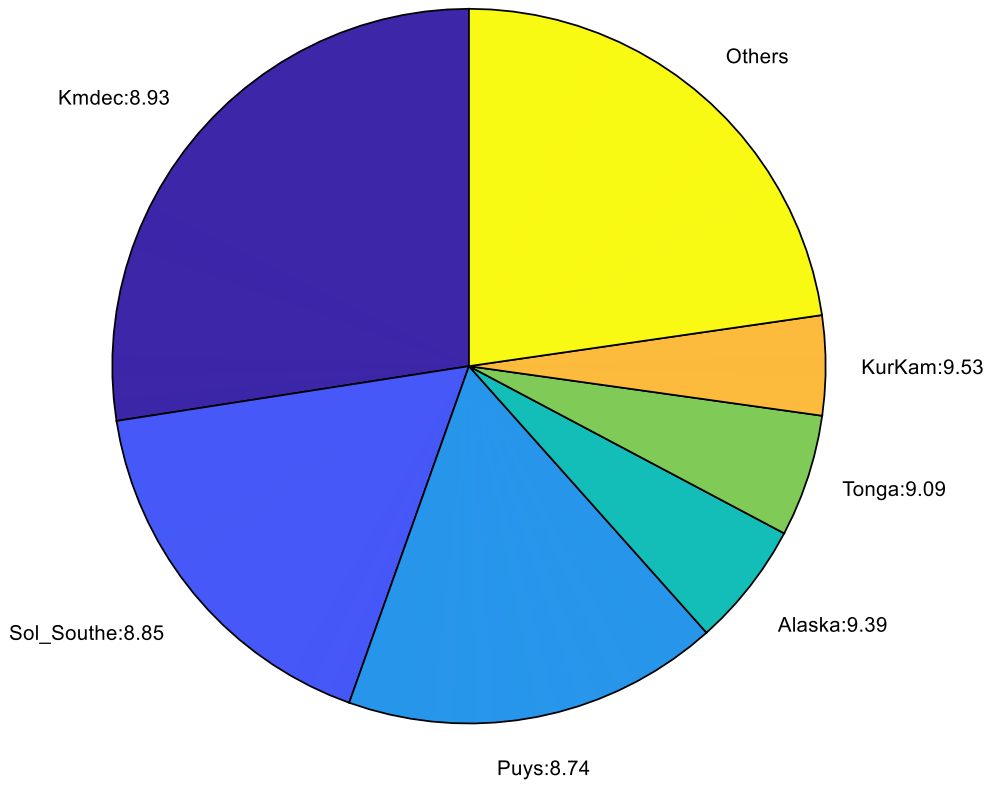
Deaggregation of Section:241, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.13 m



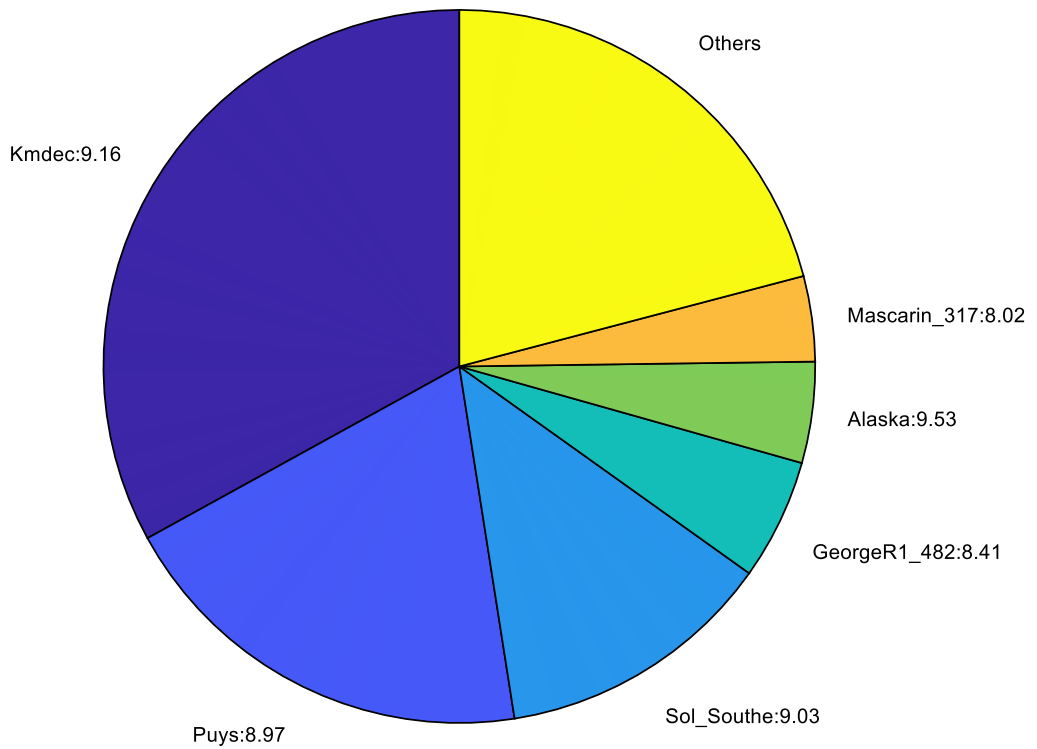
## A1.242 Coastal Section 242: Farewell Spit – North



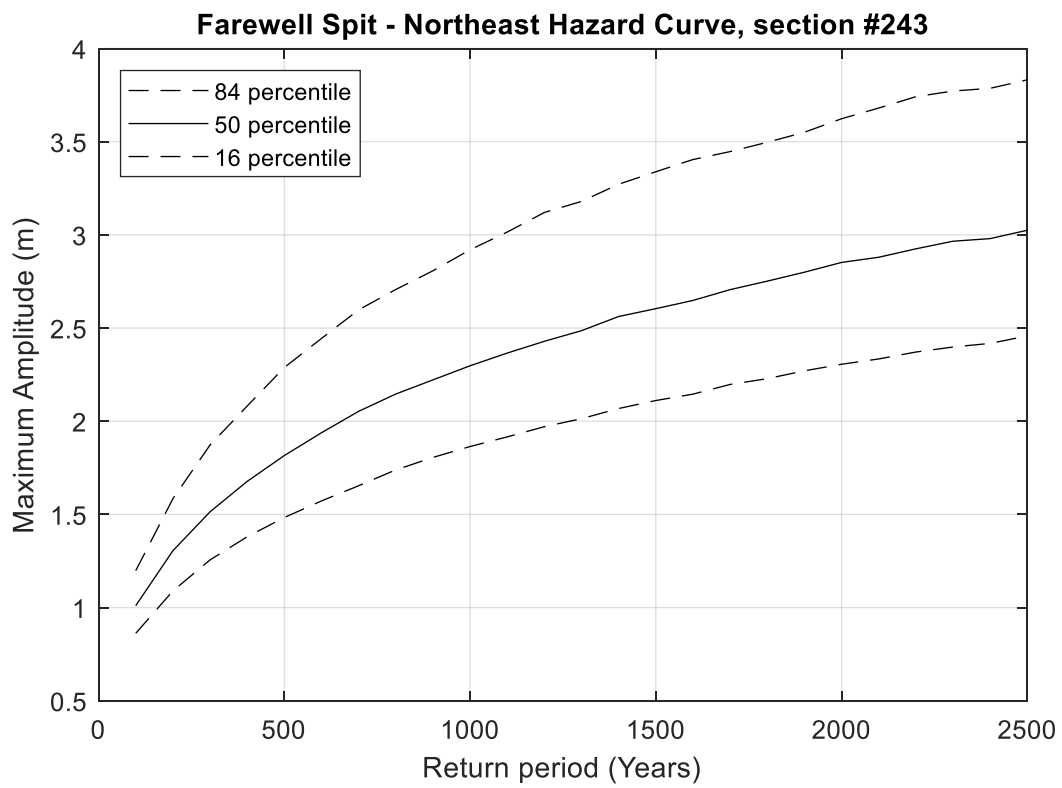
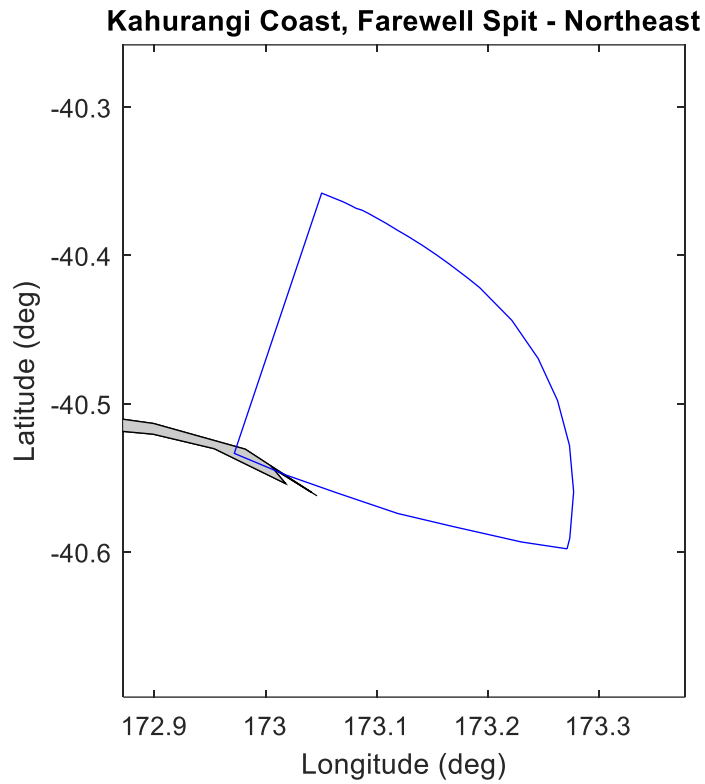
Deaggregation of Section:242, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.46 m



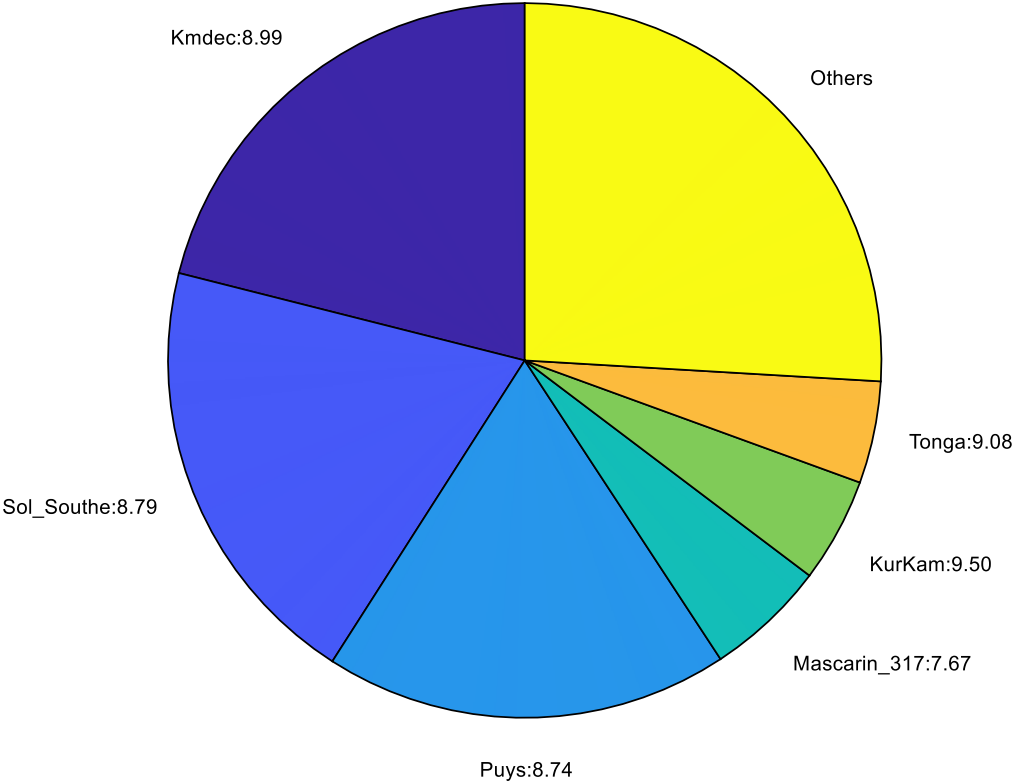
Deaggregation of Section:242, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.16 m



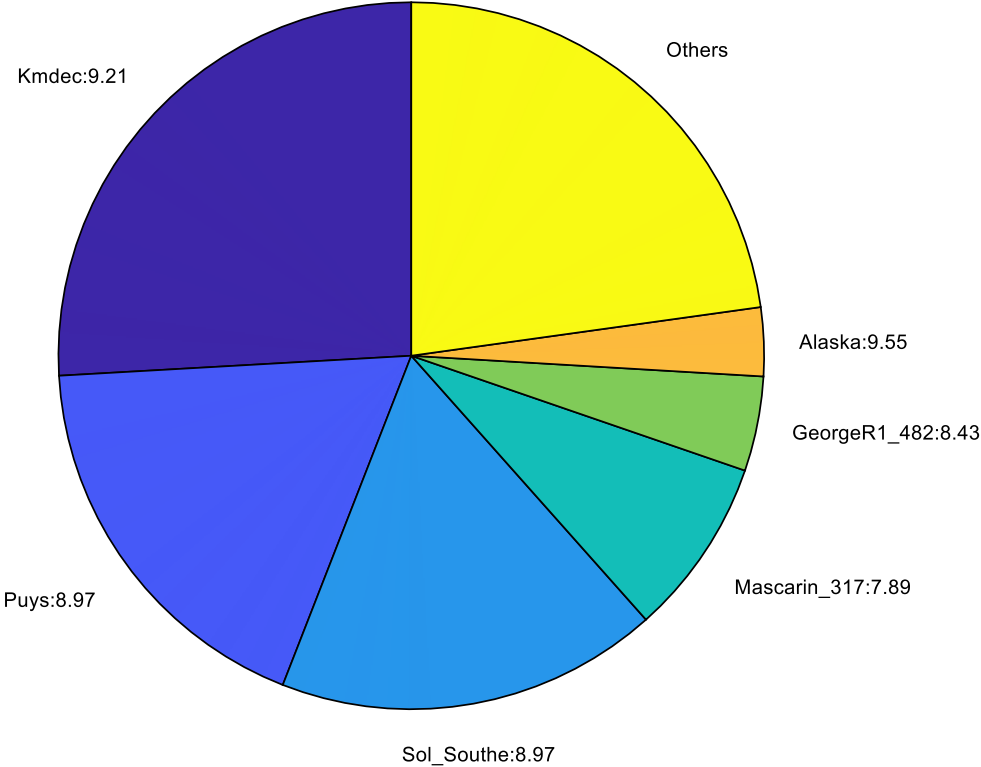
### A1.243 Coastal Section 243: Farewell Spit – Northeast



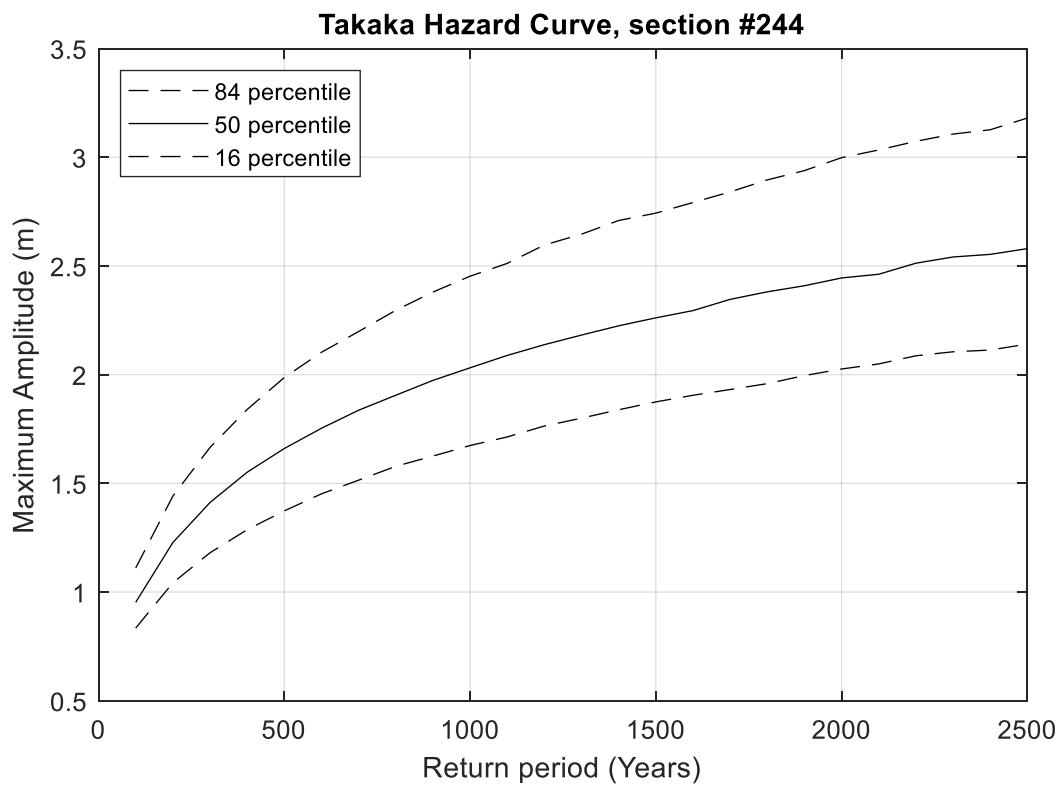
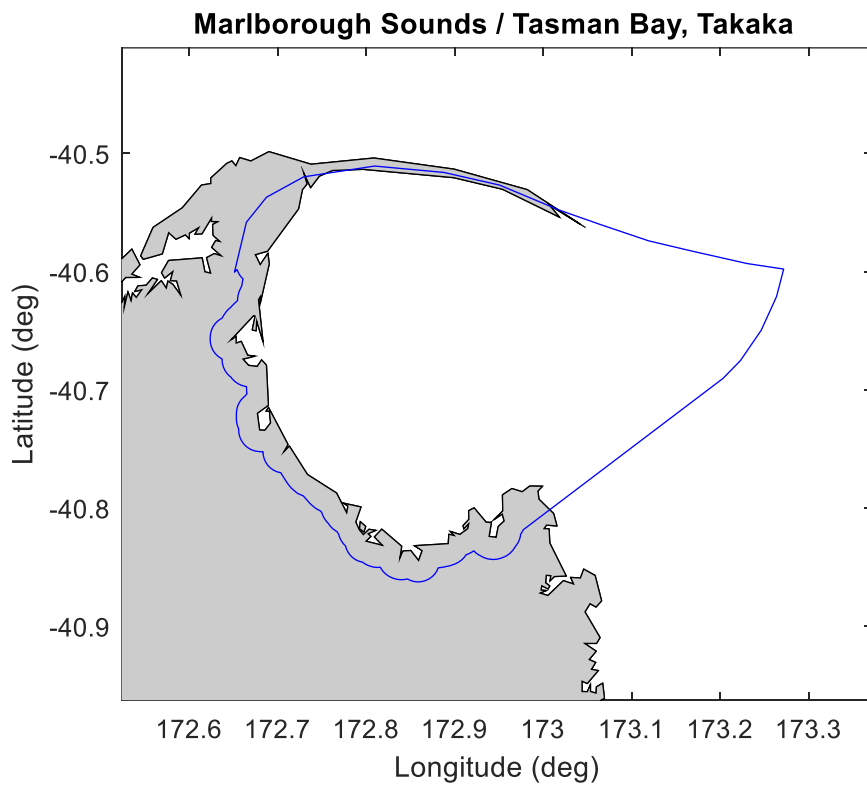
Deaggregation of Section:243, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:1.82 m



Deaggregation of Section:243, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.02 m

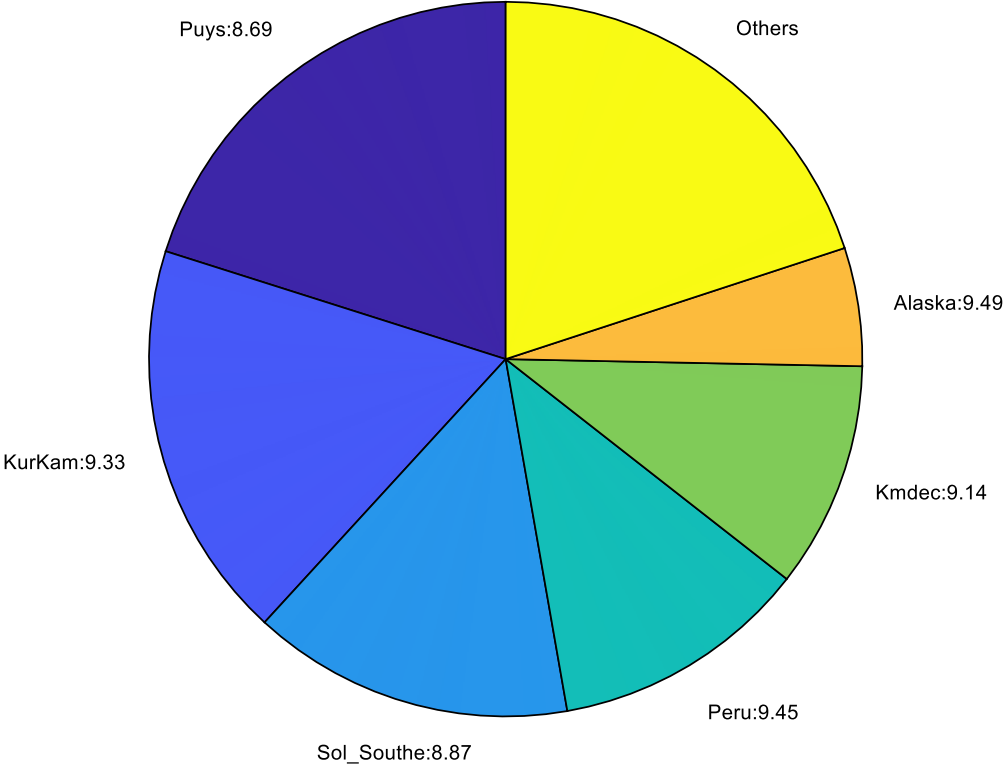


## A1.244 Coastal Section 244: Takaka

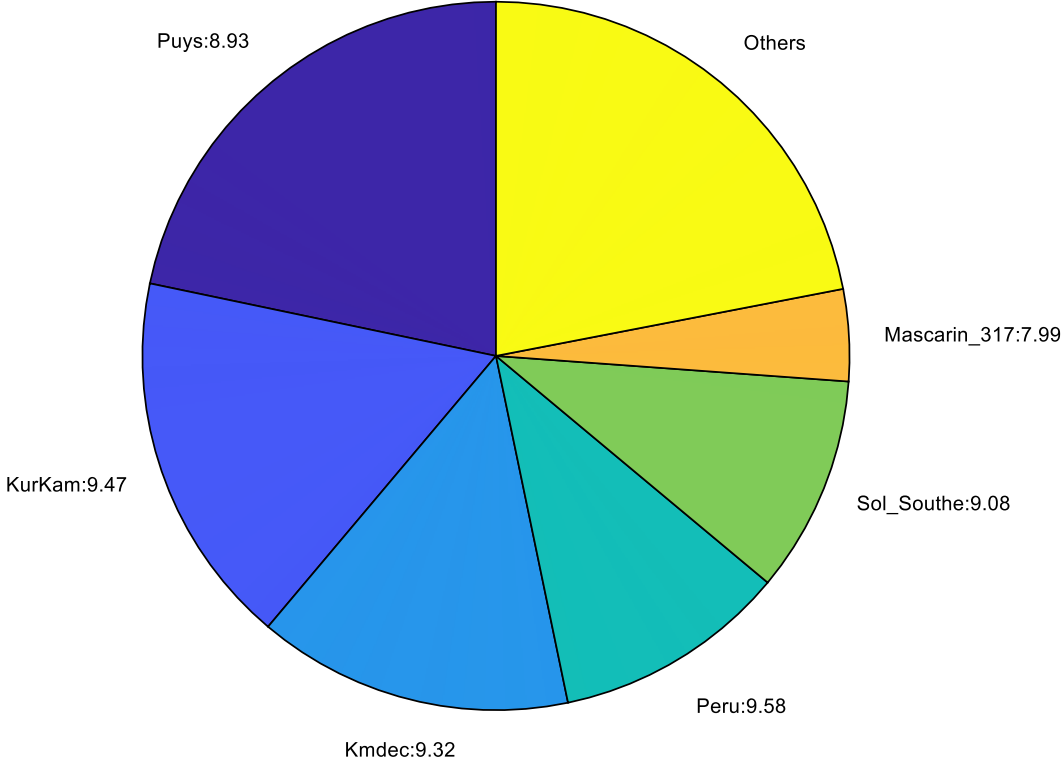




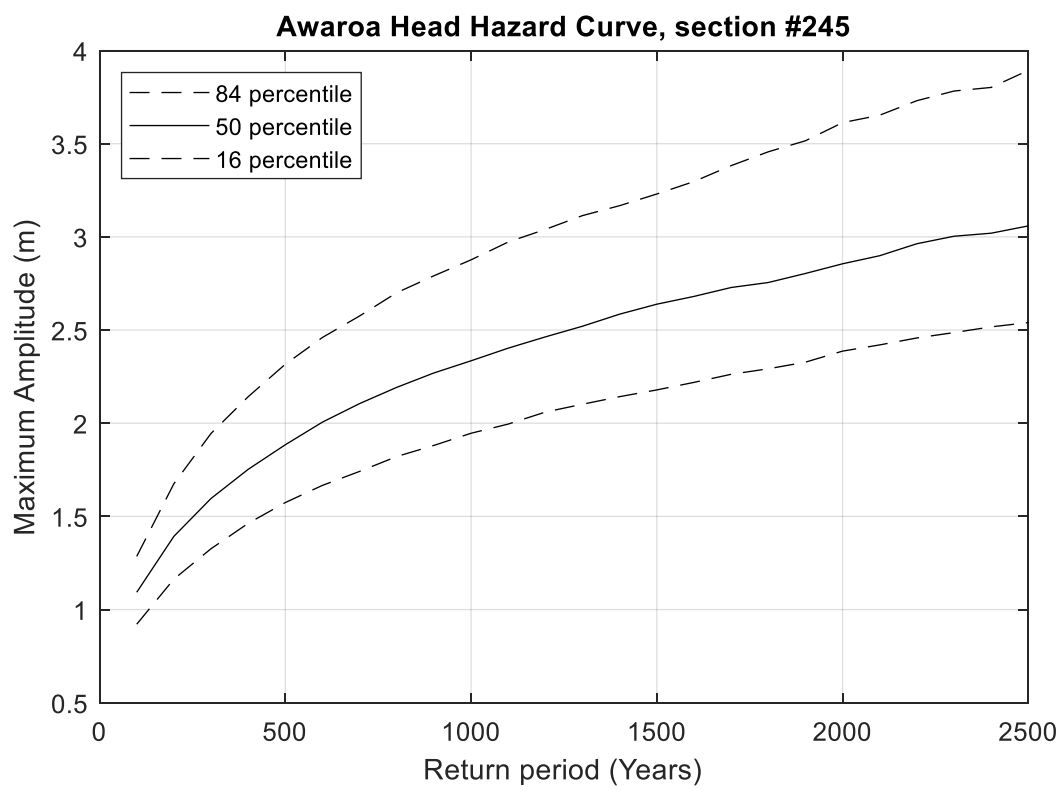
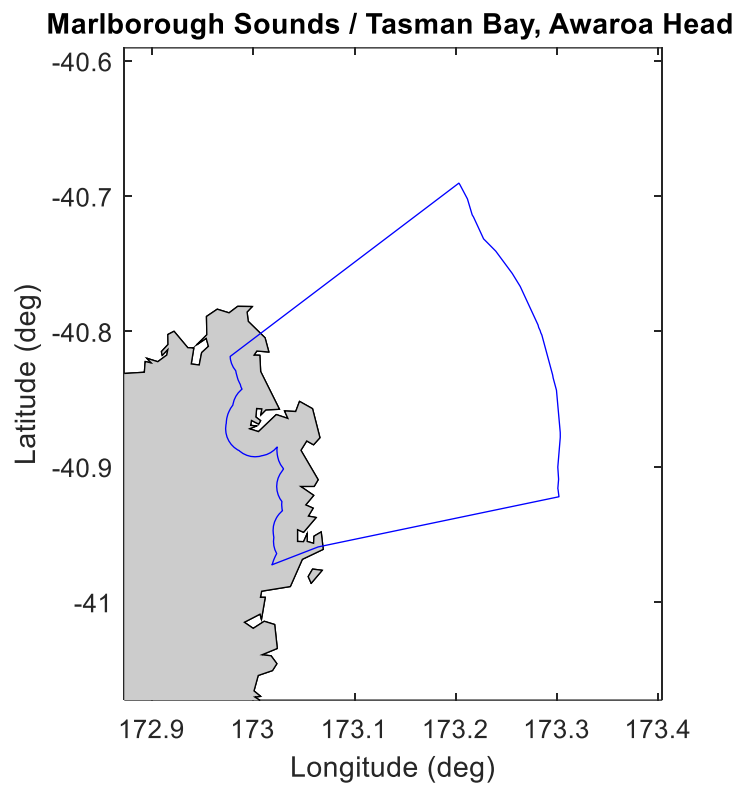
Deaggregation of Section:244, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:1.66 m



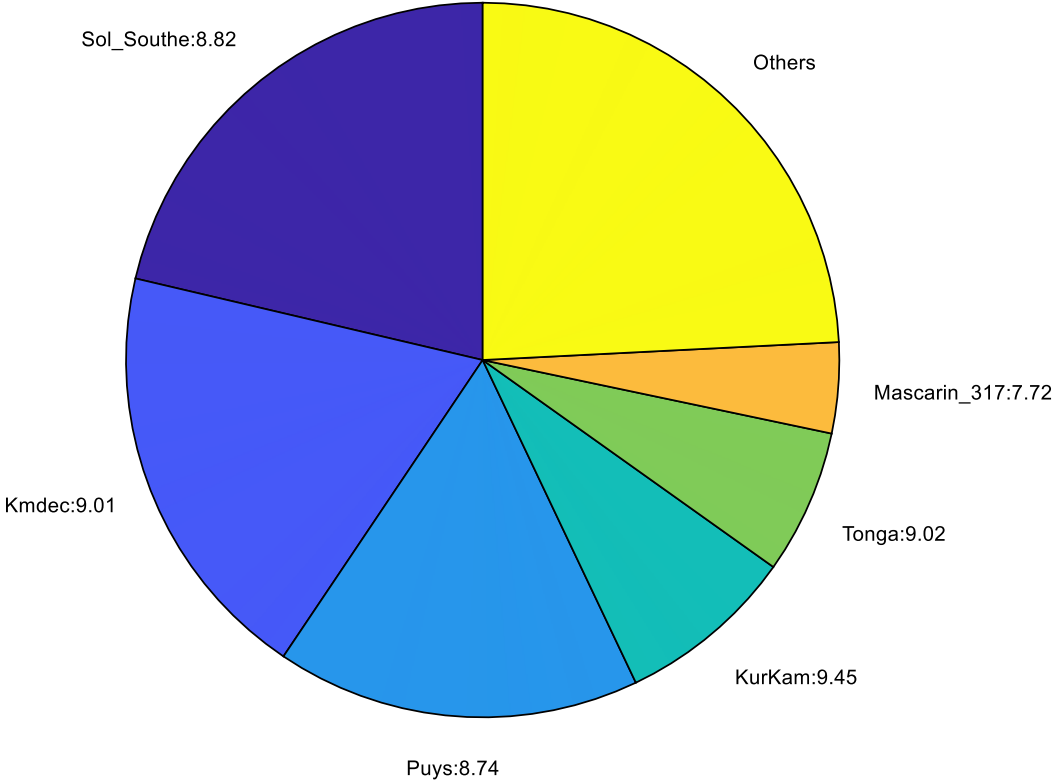
Deaggregation of Section:244, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.58 m



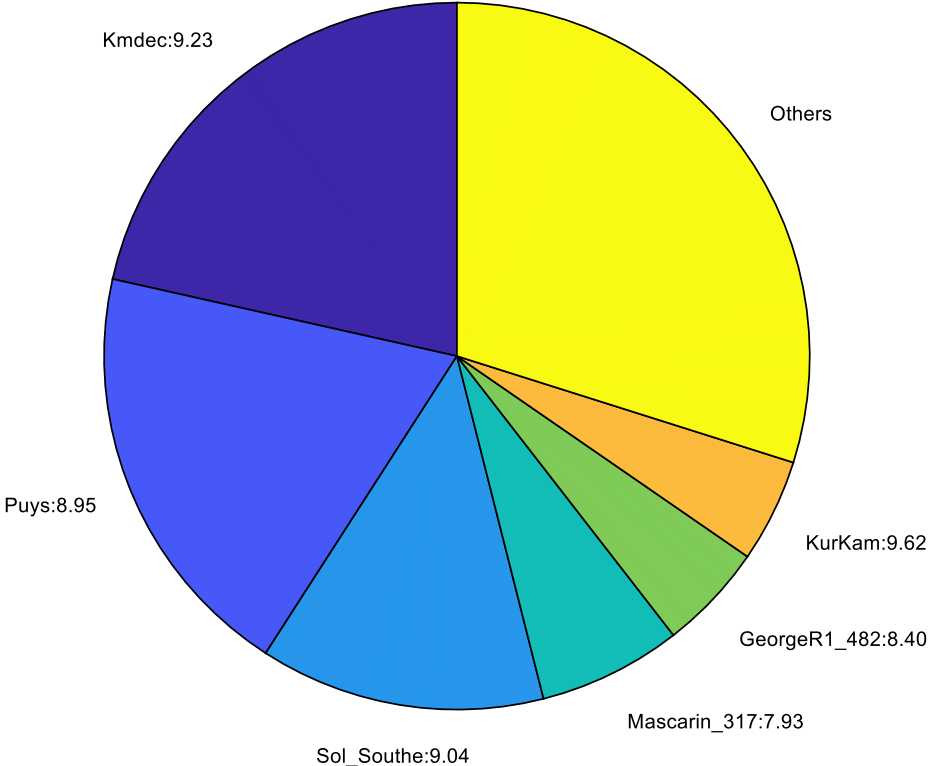
## A1.245 Coastal Section 245: Awaroa Head



Deaggregation of Section:245, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:1.88 m

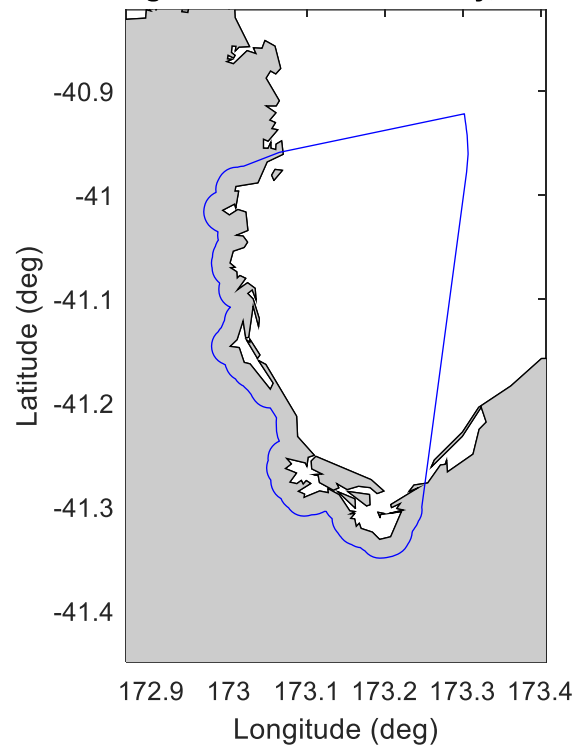


Deaggregation of Section:245, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.06 m

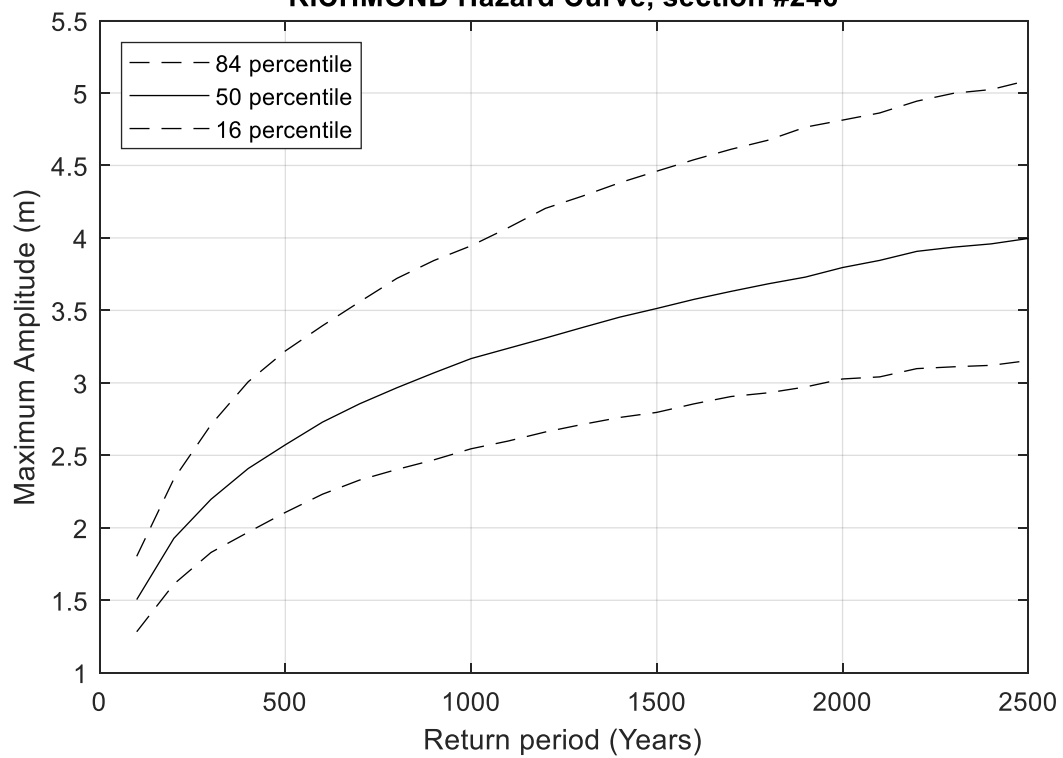


## A1.246 Coastal Section 246: Richmond

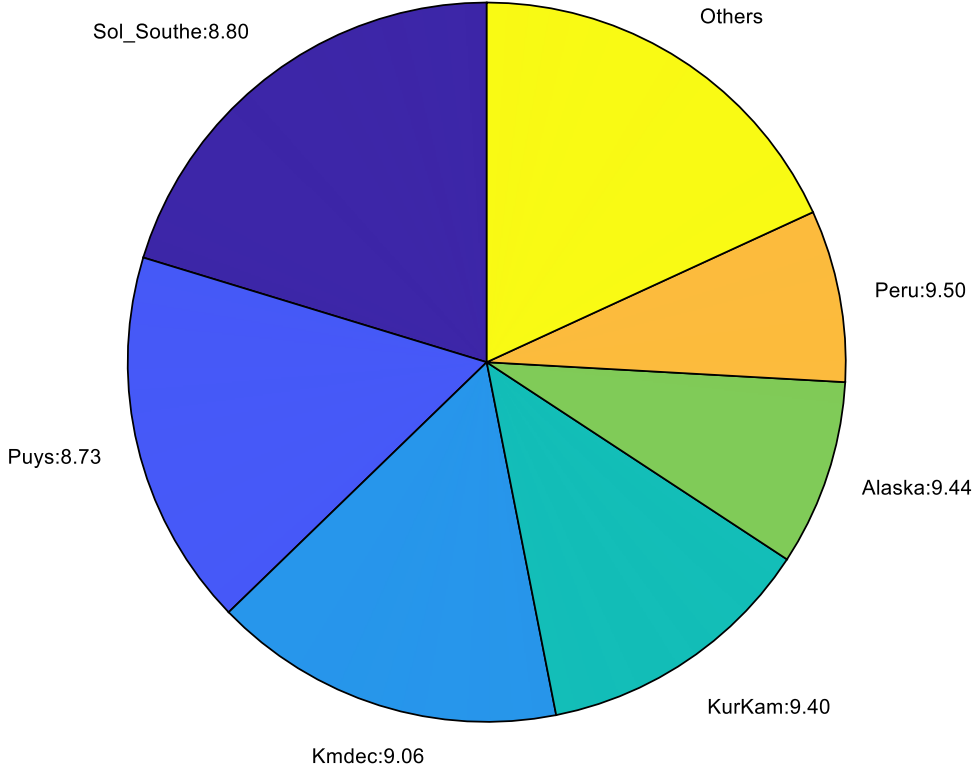
### Marlborough Sounds / Tasman Bay, RICHMOND



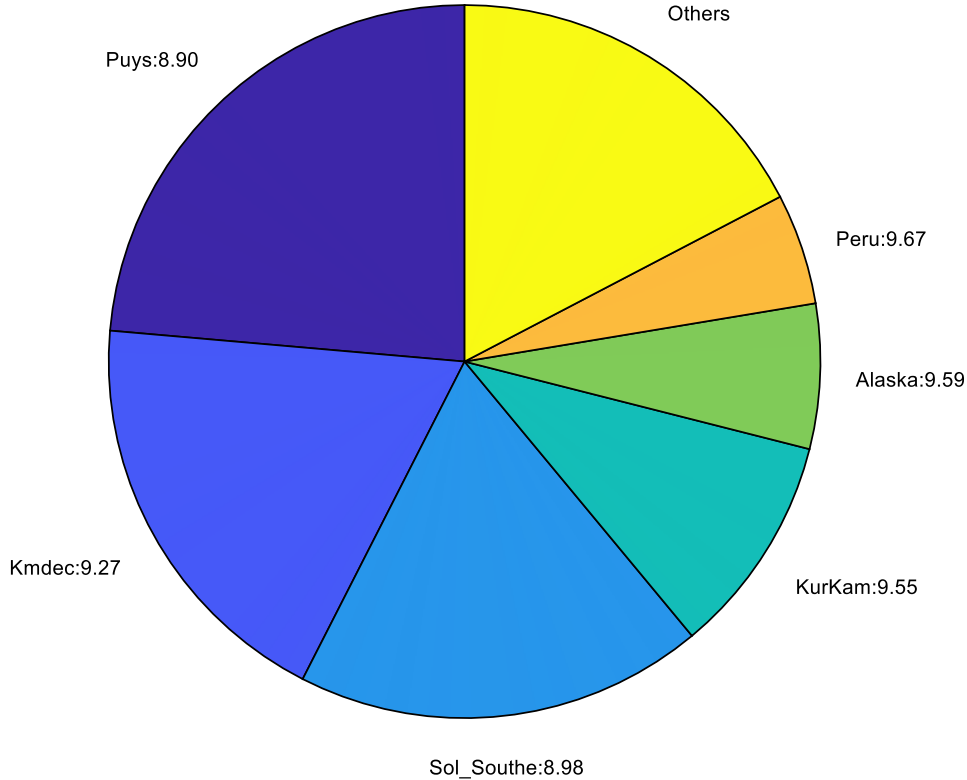
### RICHMOND Hazard Curve, section #246



Deaggregation of Section:246, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.57 m

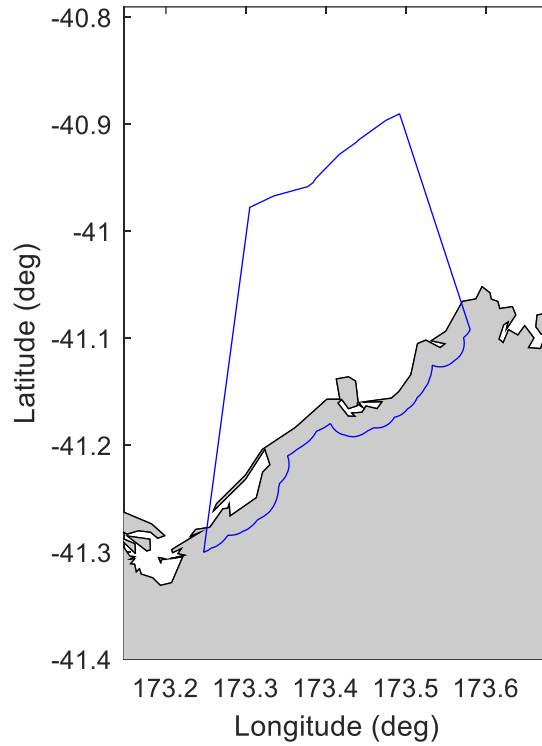


Deaggregation of Section:246, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.00 m

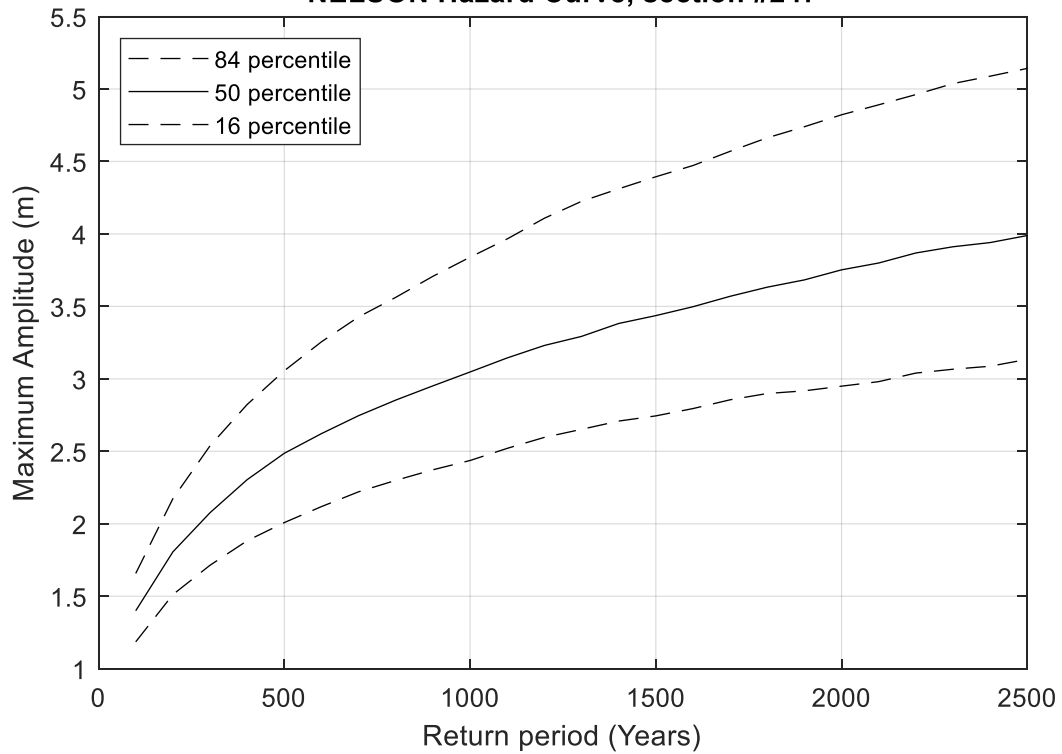


## A1.247 Coastal Section 247: Nelson

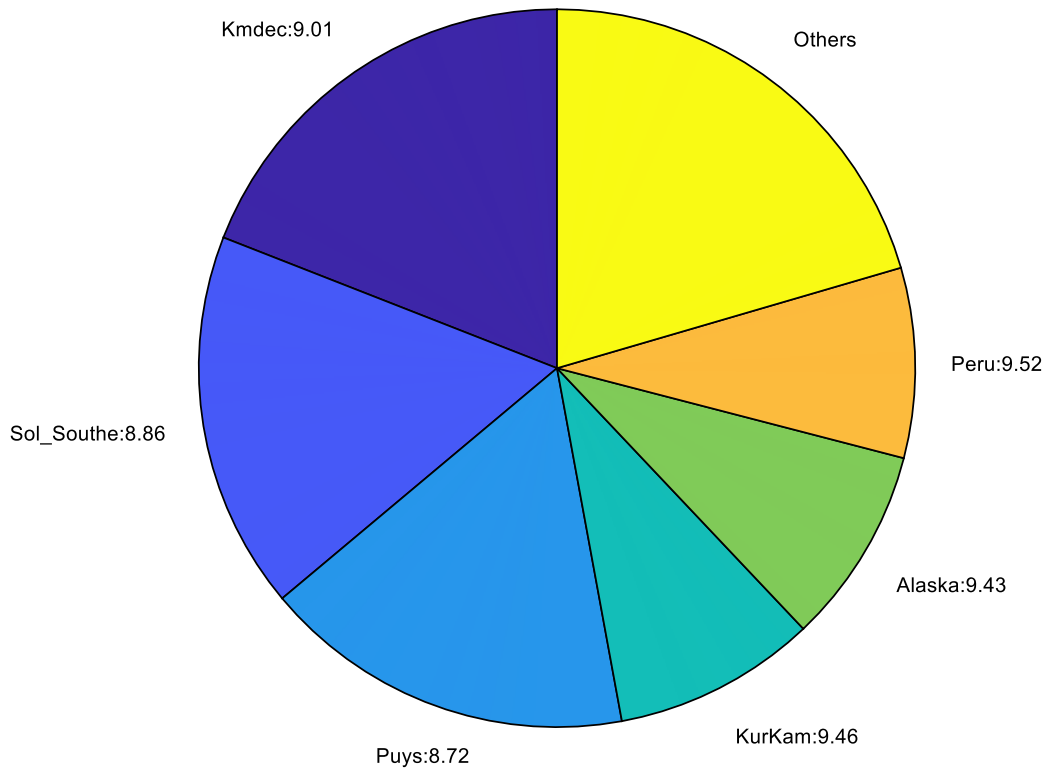
### Marlborough Sounds / Tasman Bay, NELSON



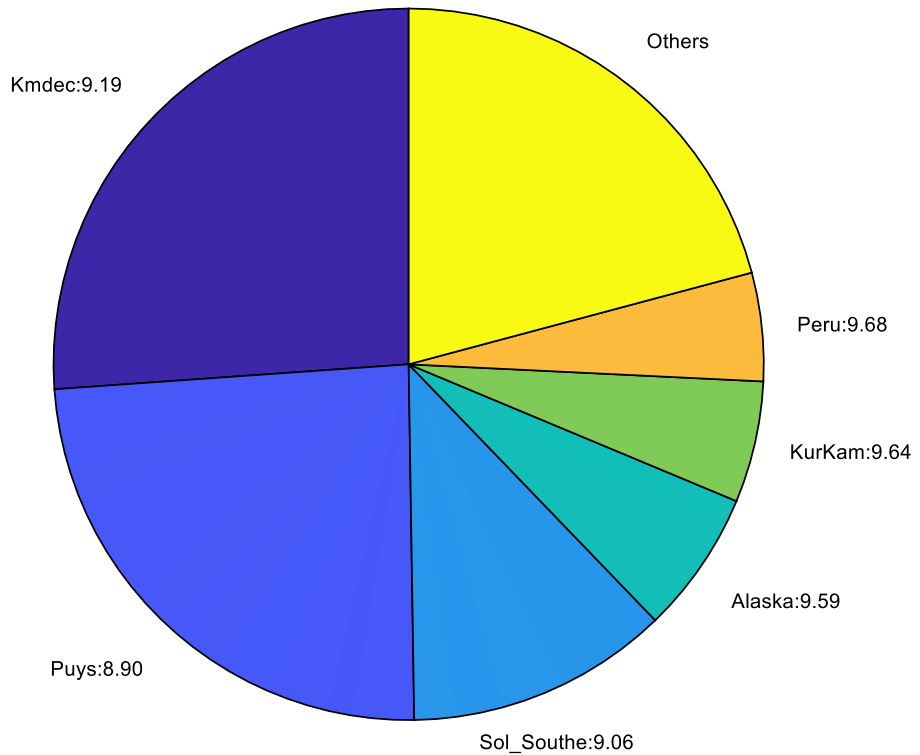
### NELSON Hazard Curve, section #247



Deaggregation of Section:247, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.49 m

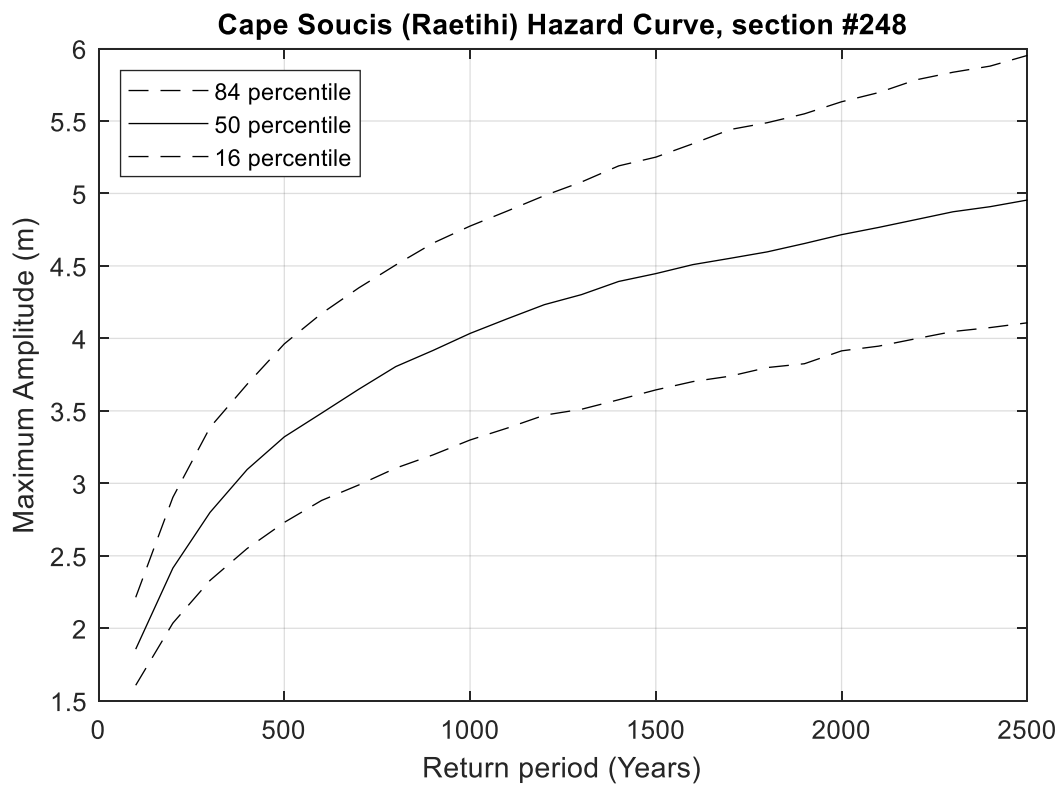
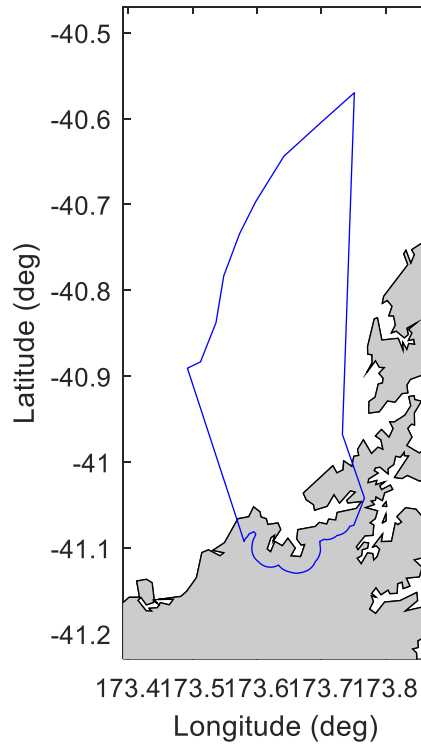


Deaggregation of Section:247, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.99 m



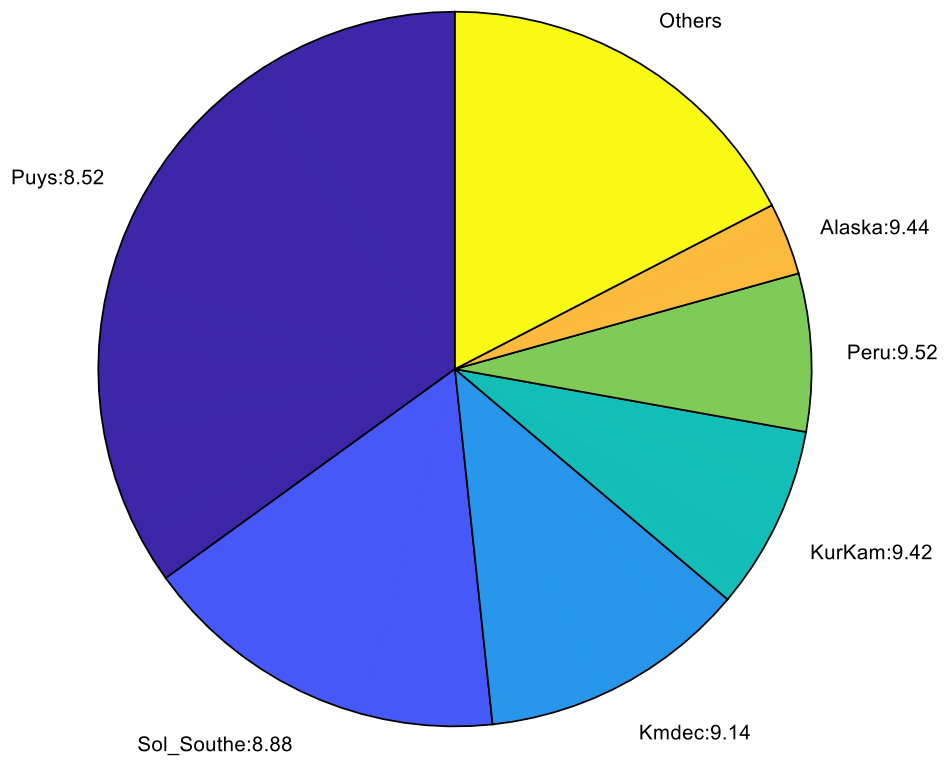
## A1.248 Coastal Section 248: Cape Soucis (Raetihi)

### Marlborough Sounds / Tasman Bay, Cape Soucis (Raetihi)

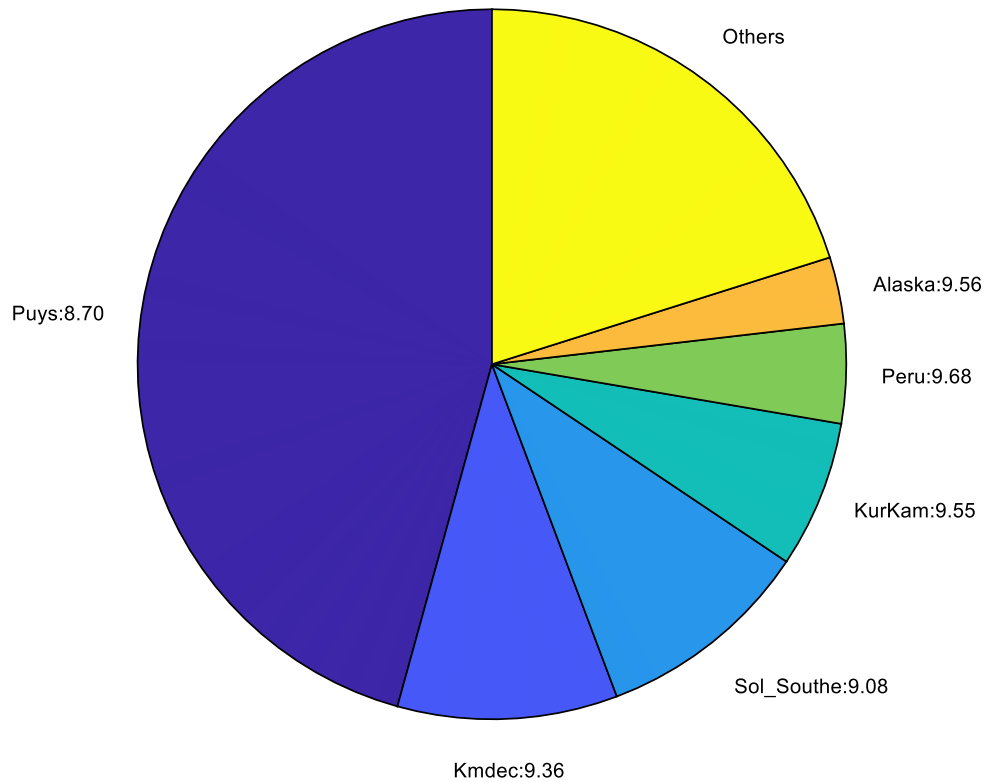




Deaggregation of Section:248, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.32 m

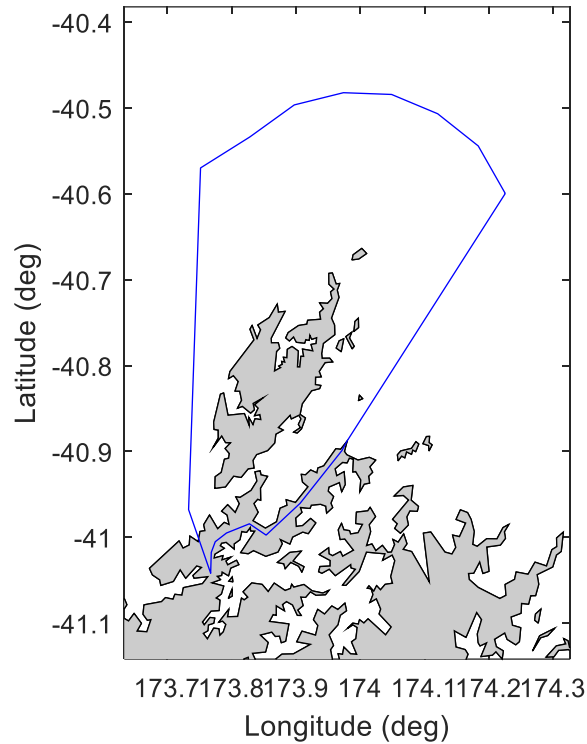


Deaggregation of Section:248, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.95 m

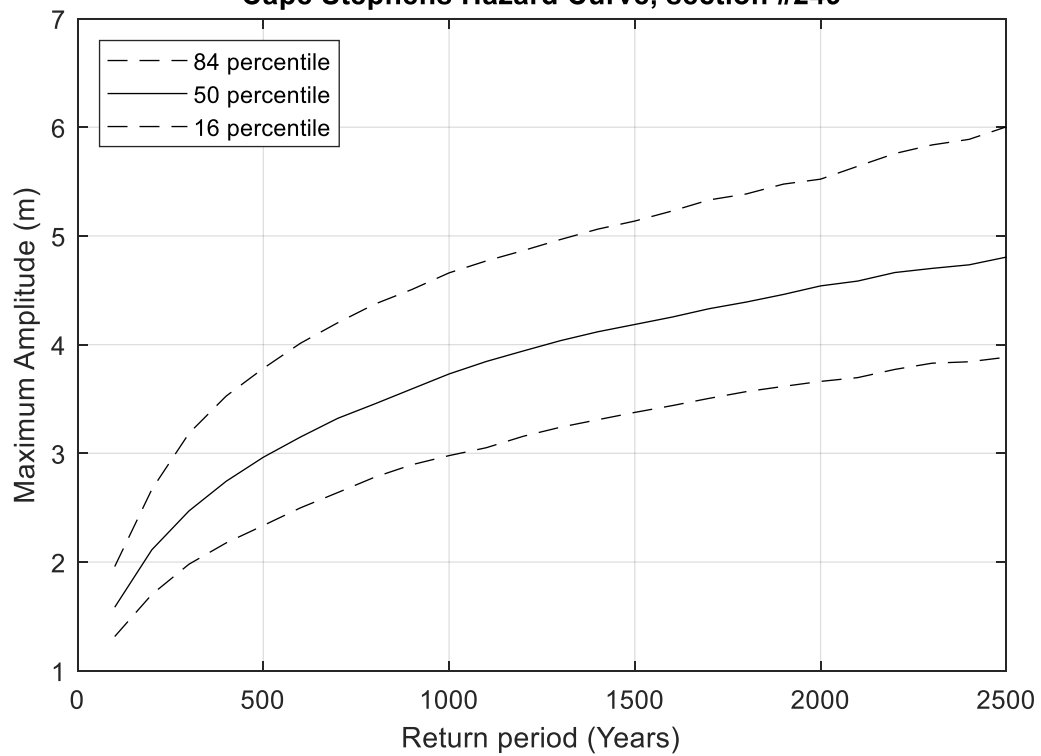


## A1.249 Coastal Section 249: Cape Stephens

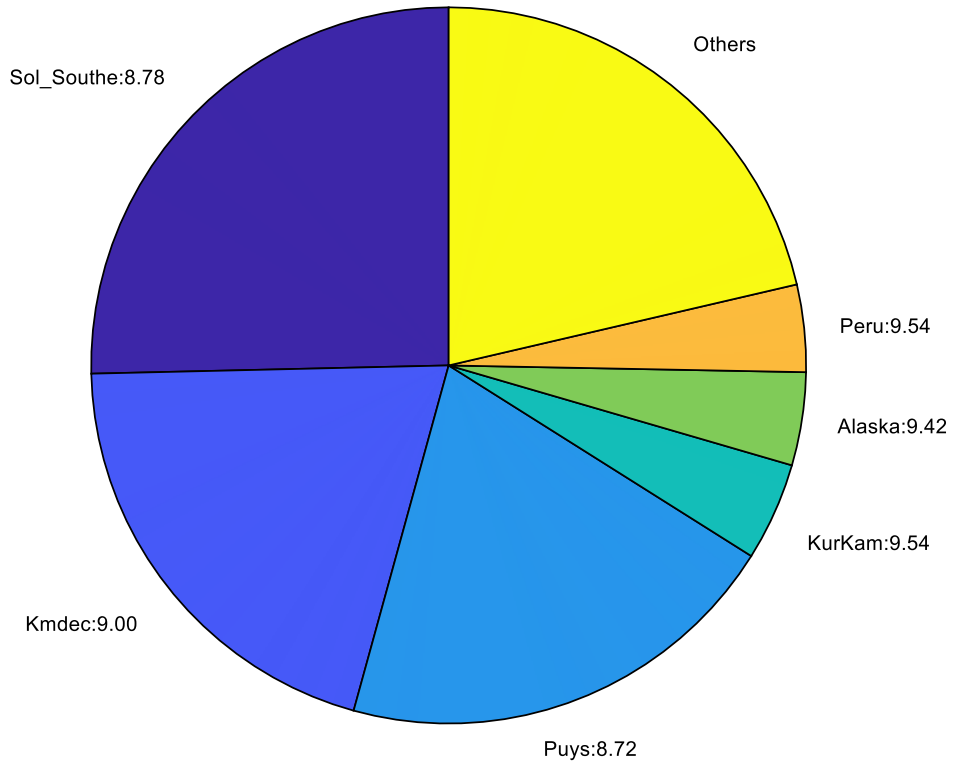
### Marlborough Sounds / Tasman Bay, Cape Stephens



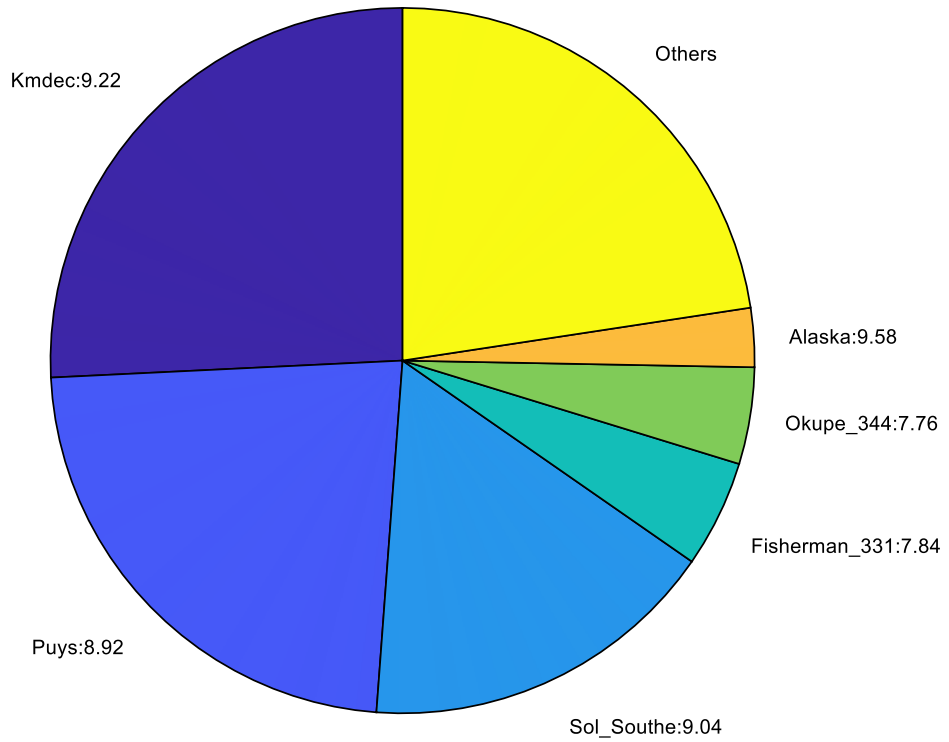
### Cape Stephens Hazard Curve, section #249



Deaggregation of Section:249, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.96 m

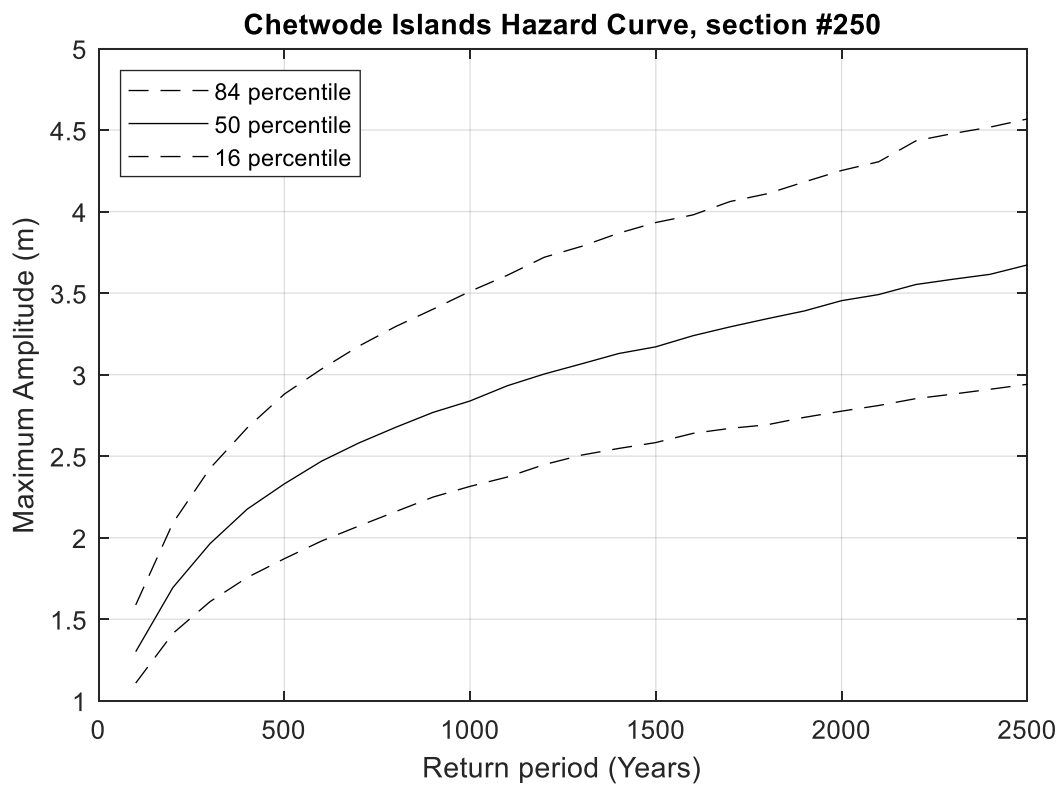
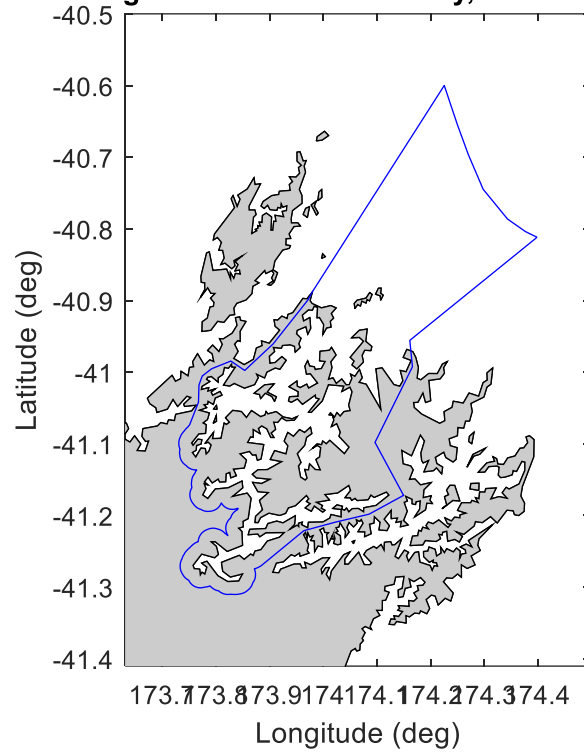


Deaggregation of Section:249, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.80 m

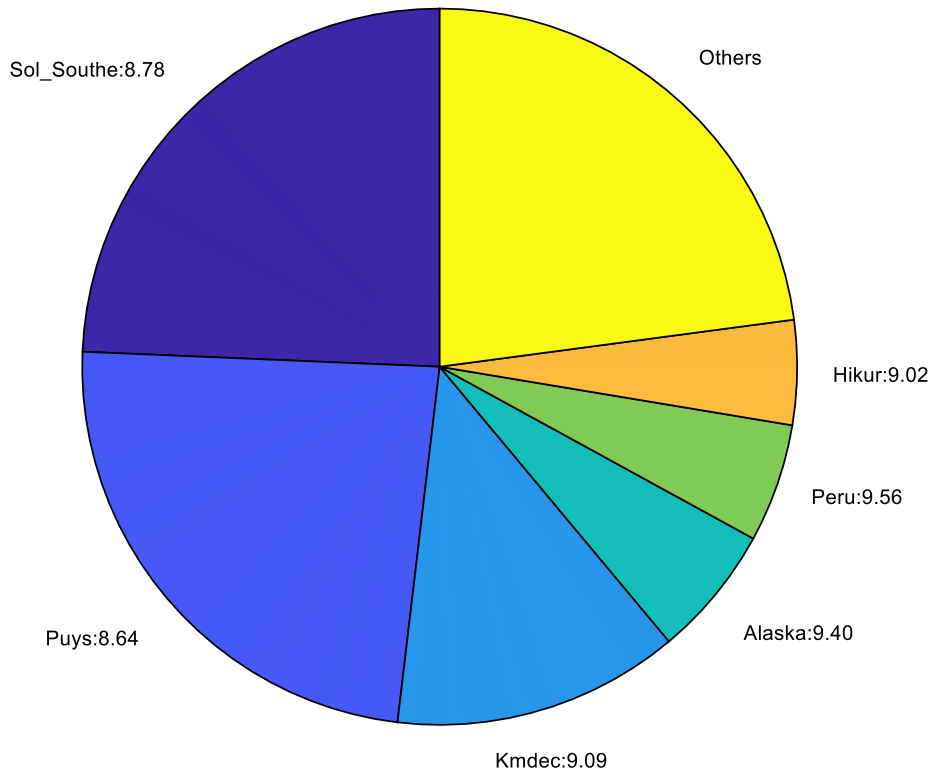


## A1.250 Coastal Section 250: Chetwode Islands

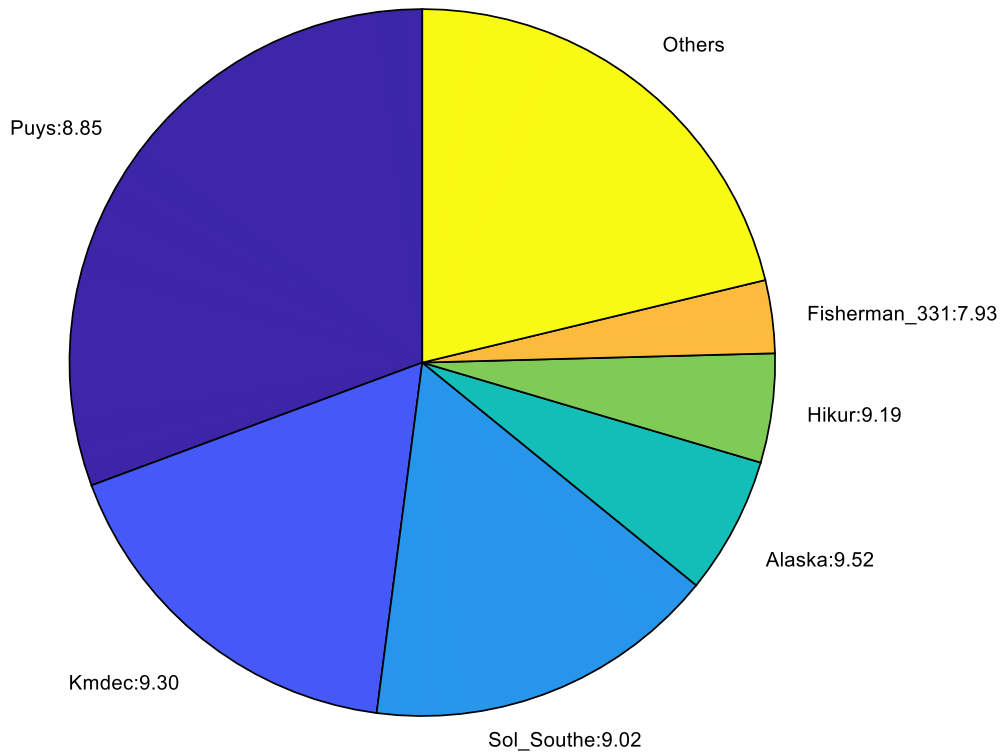
### Marlborough Sounds / Tasman Bay, Chetwode Islands



Deaggregation of Section:250, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.33 m

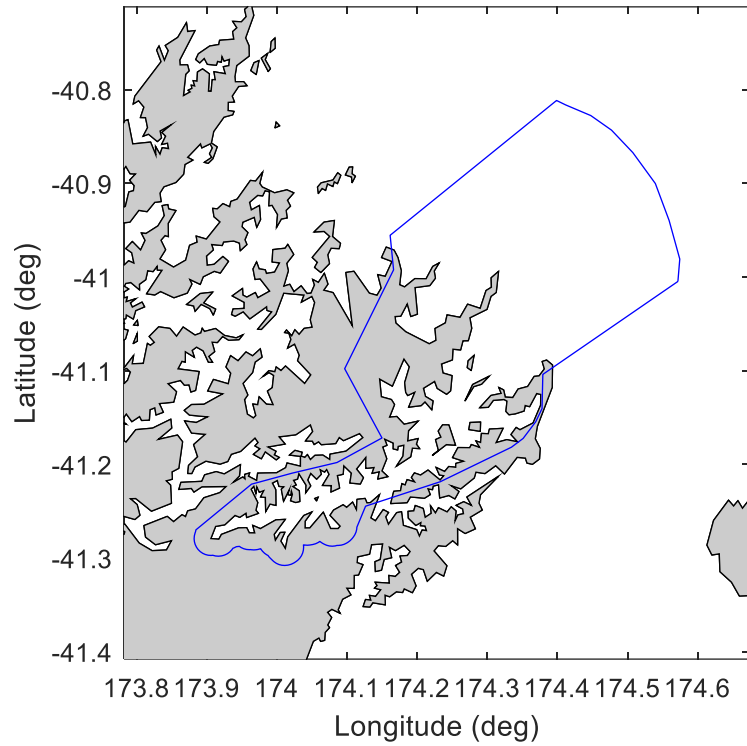


Deaggregation of Section:250, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:3.67 m

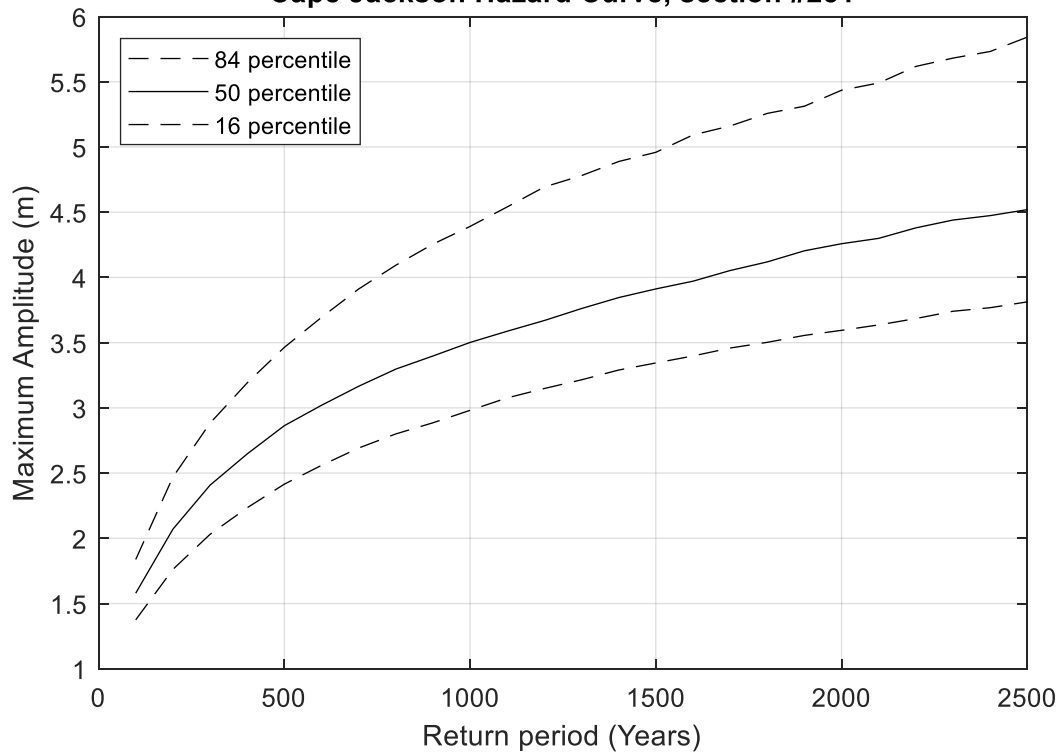


## A1.251 Coastal Section 251: Cape Jackson

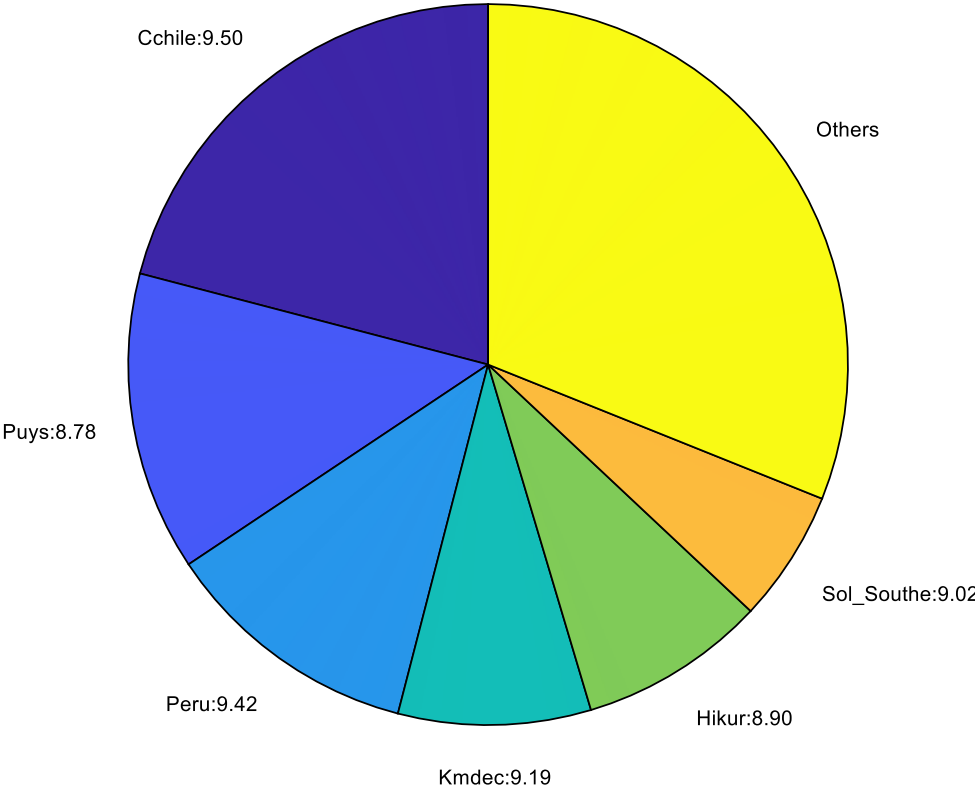
### Marlborough Sounds / Tasman Bay, Cape Jackson



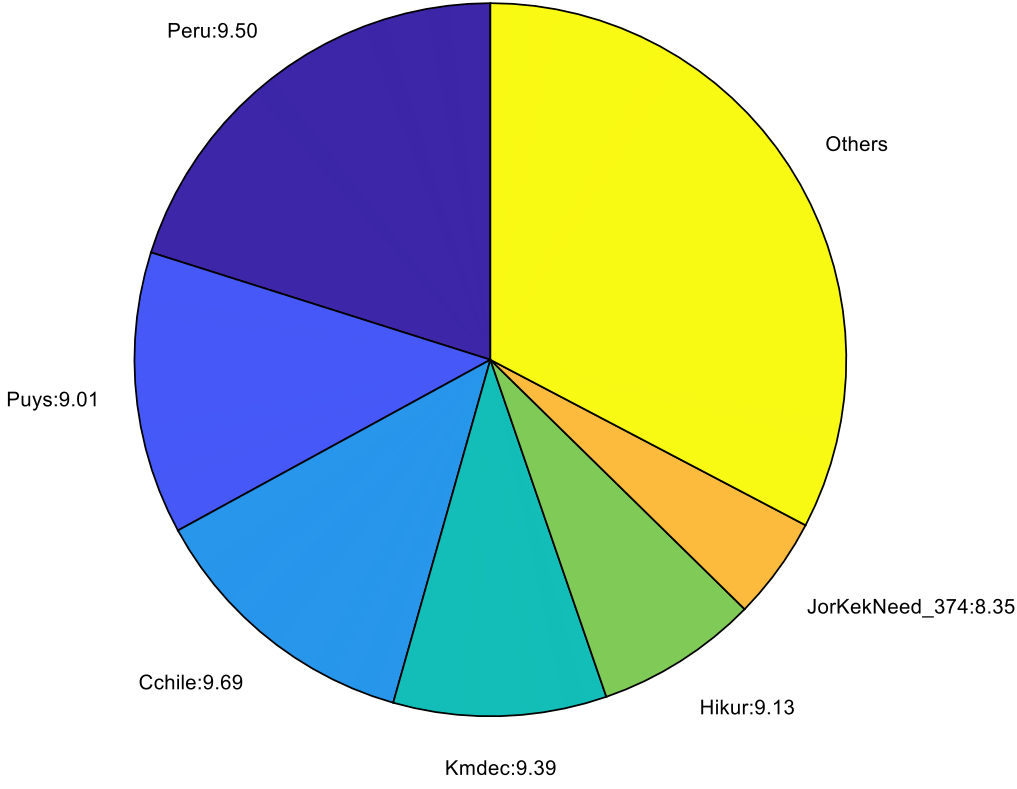
### Cape Jackson Hazard Curve, section #251



Deaggregation of Section:251, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:2.86 m

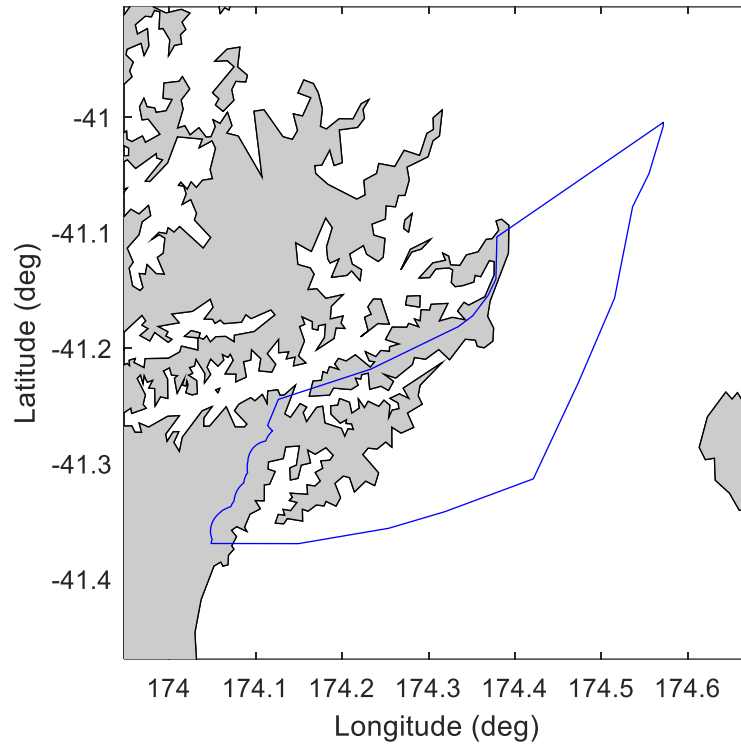


Deaggregation of Section:251, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.52 n

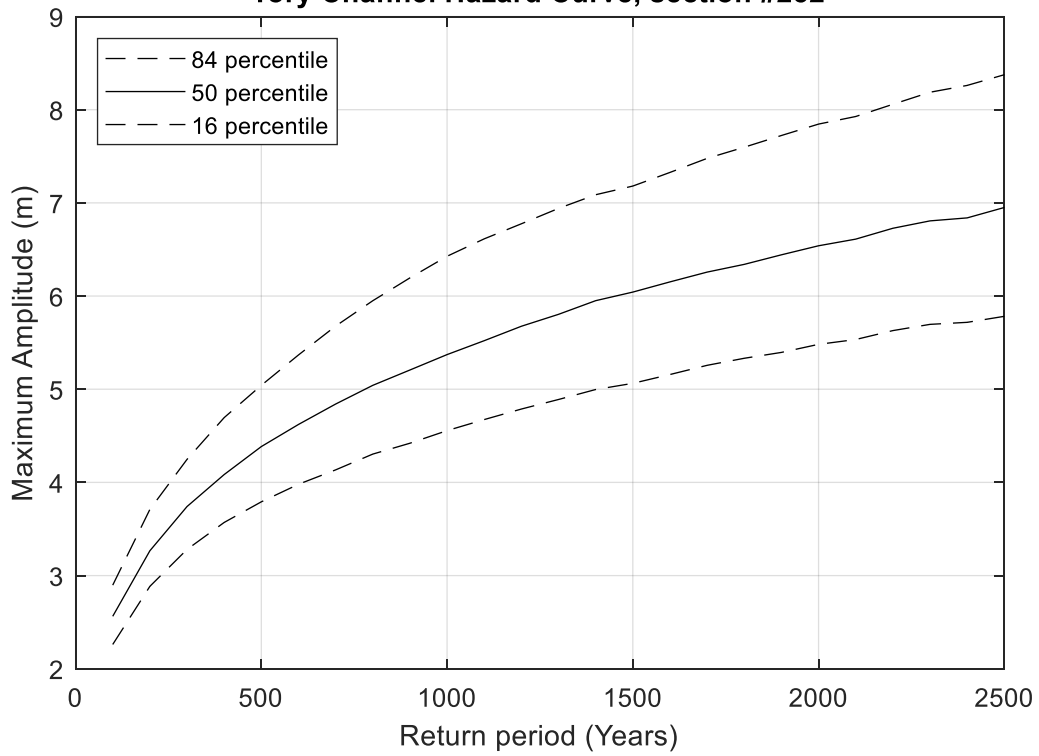


## A1.252 Coastal Section 252: Tory Channel

### Marlborough Sounds / Tasman Bay, Tory Channel

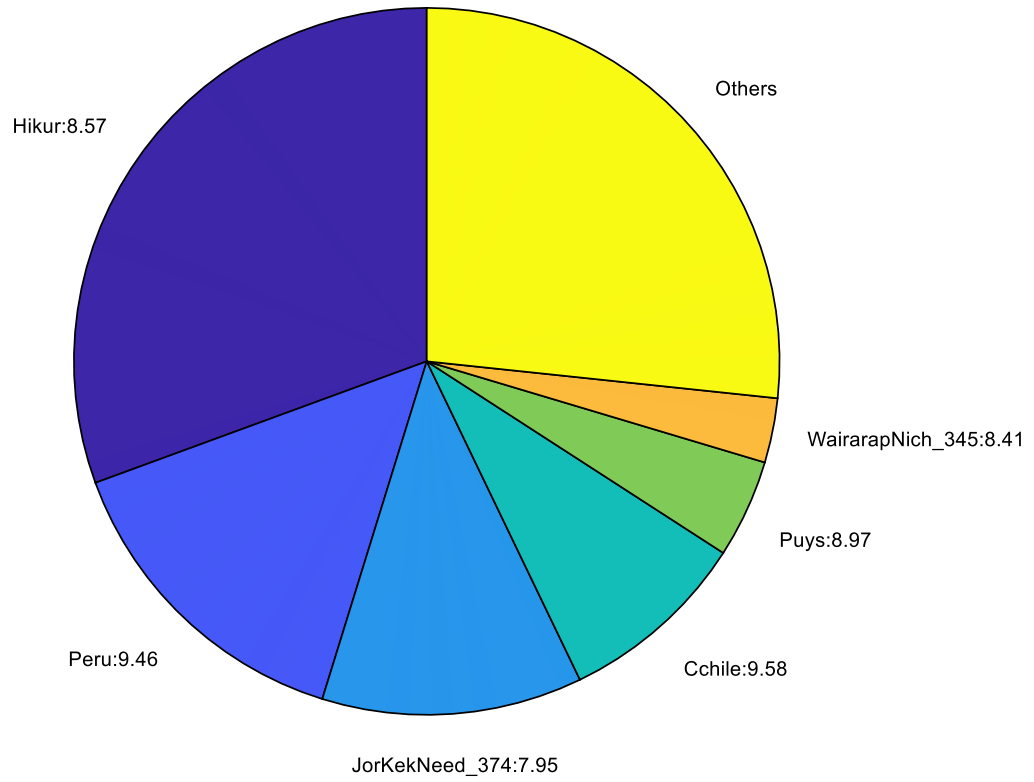


### Tory Channel Hazard Curve, section #252

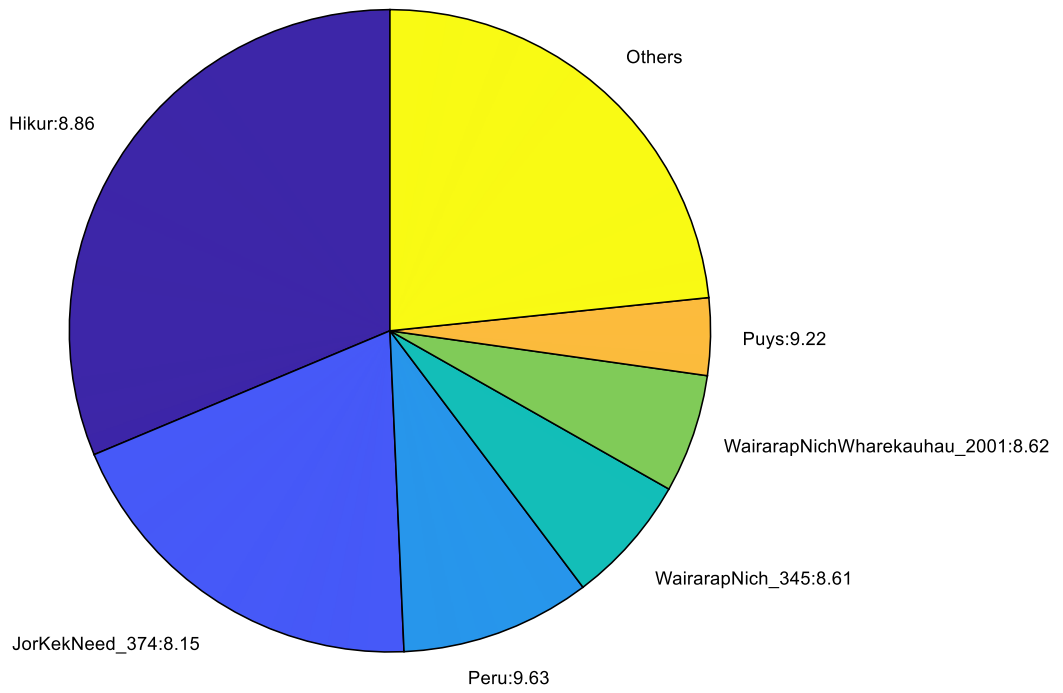




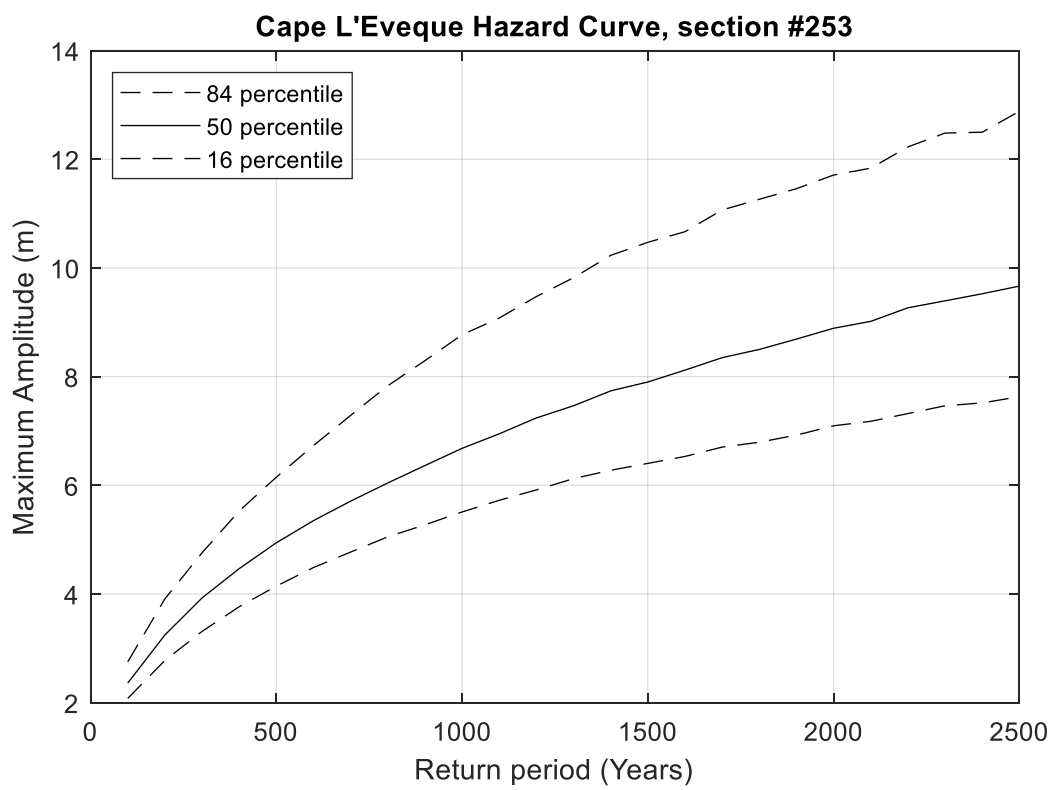
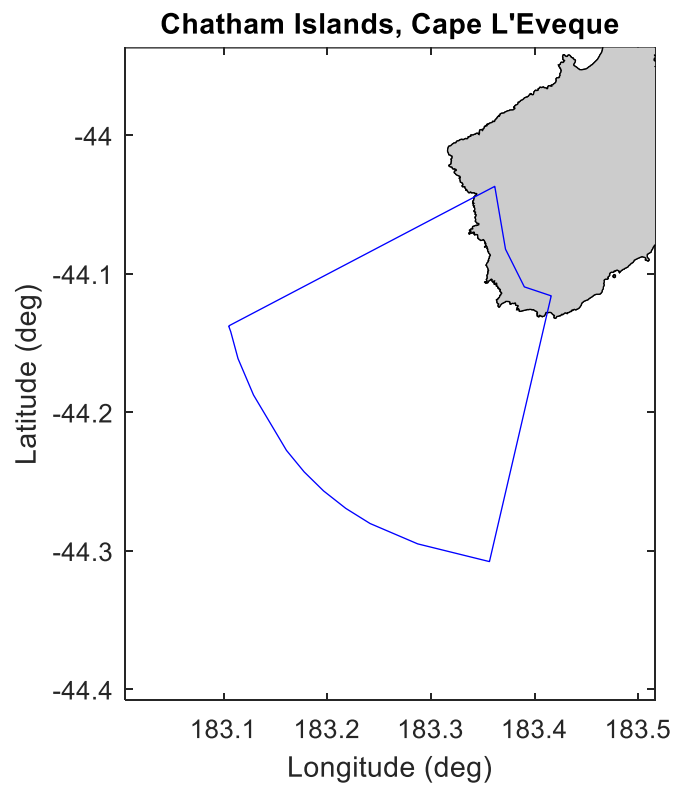
Deaggregation of Section:252, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.38 m



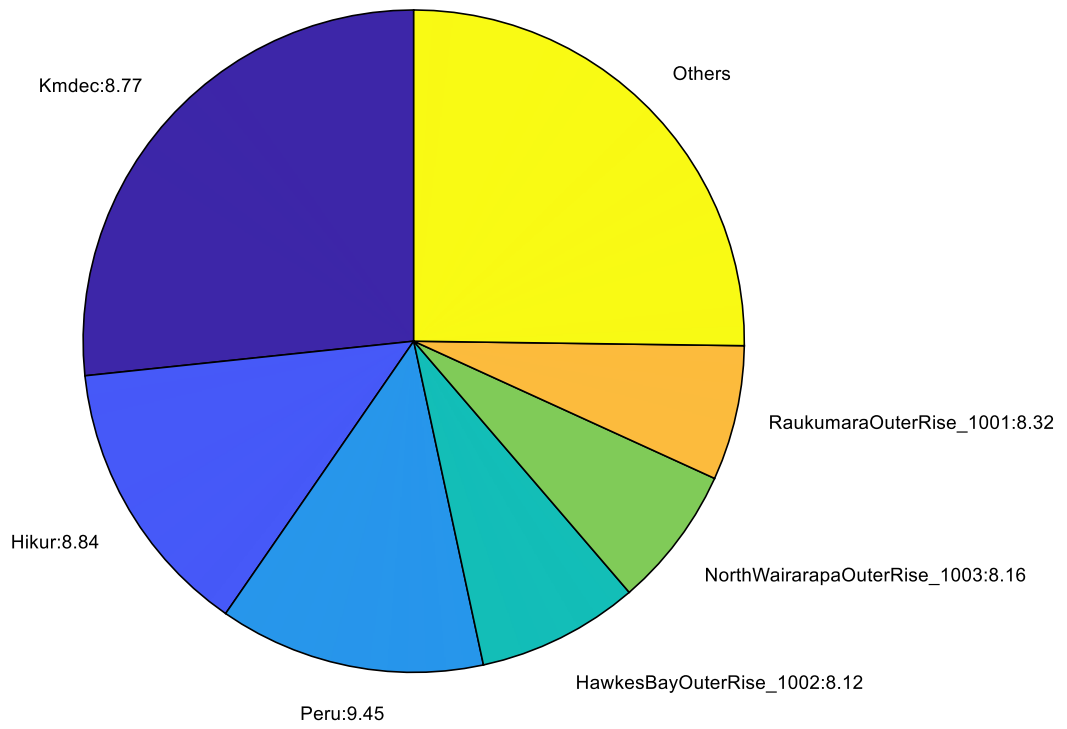
Deaggregation of Section:252, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.95 m



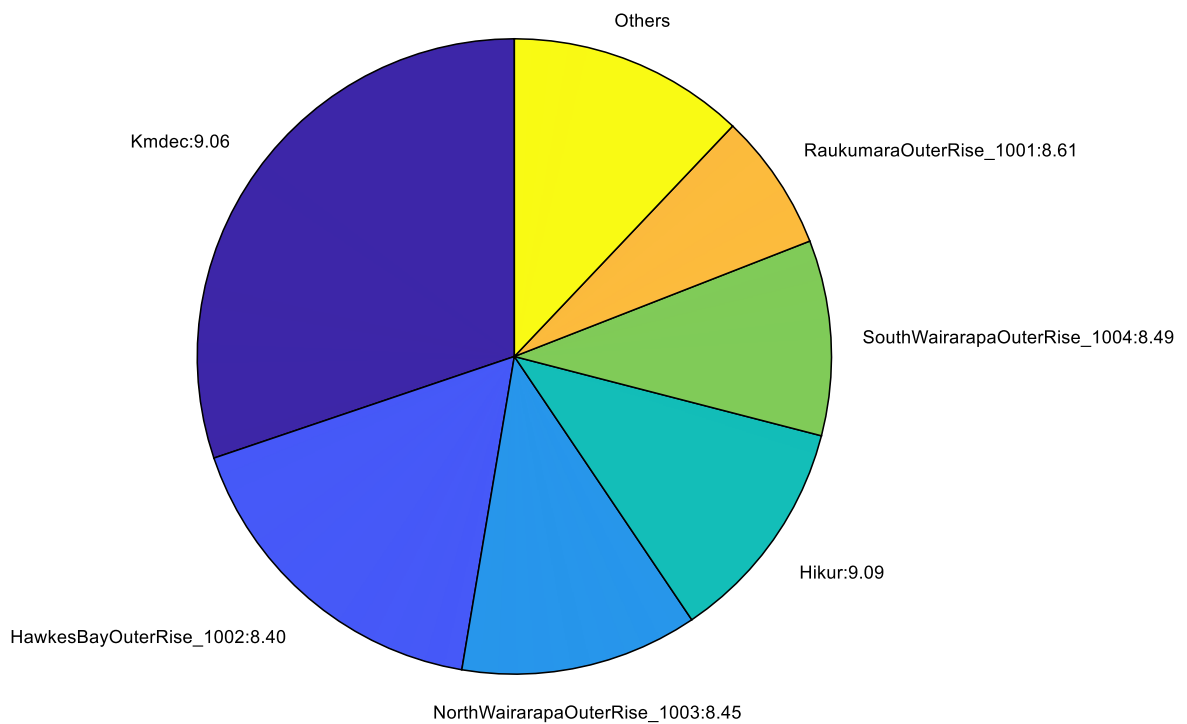
## A1.253 Coastal Section 253: Cape L'Eveque



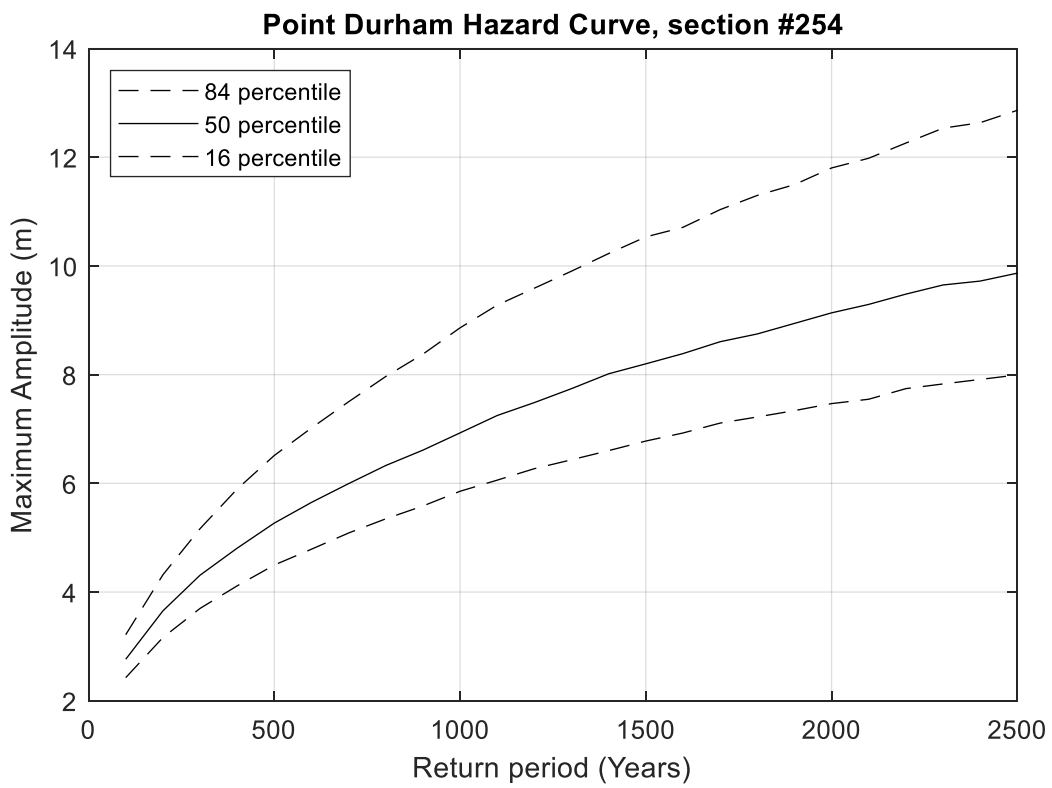
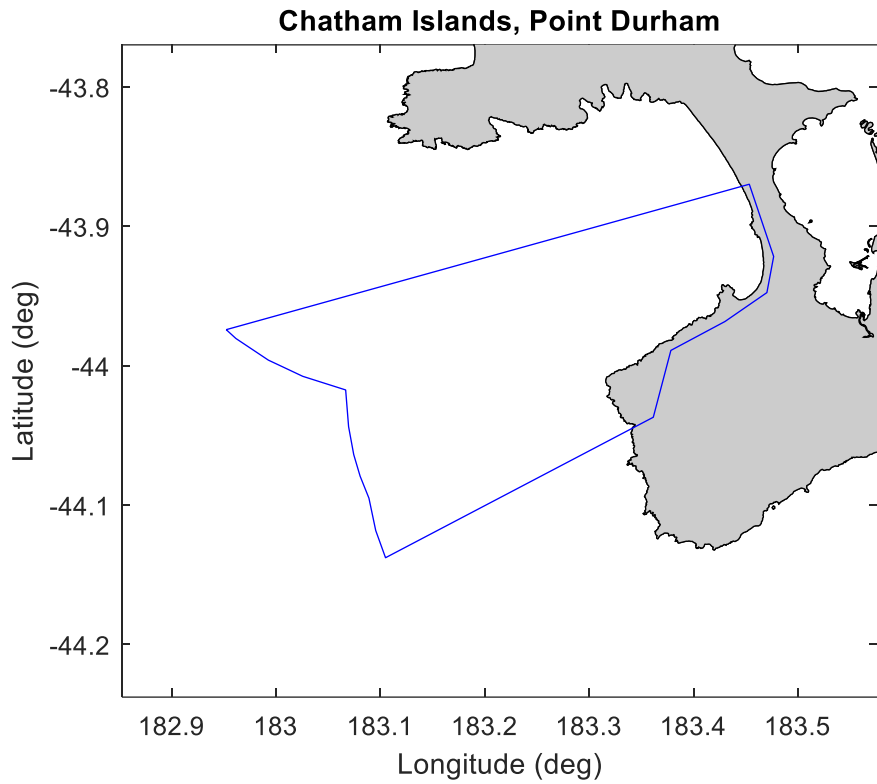
Deaggregation of Section:253, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:4.94 m



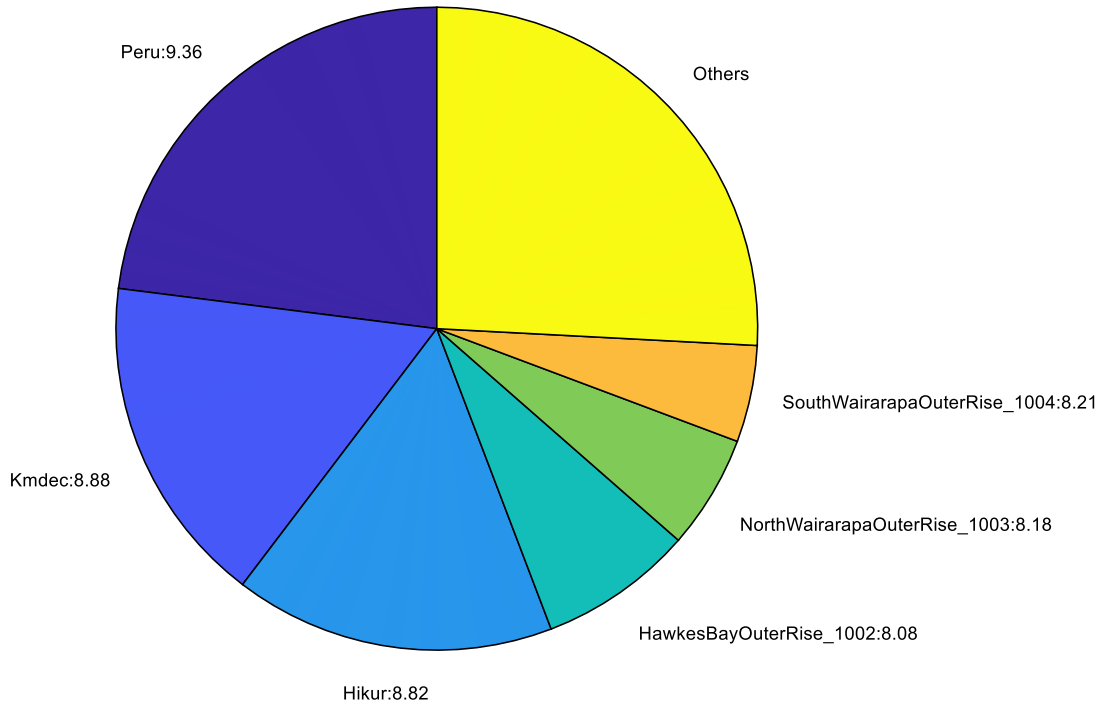
Deaggregation of Section:253, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:9.66 m



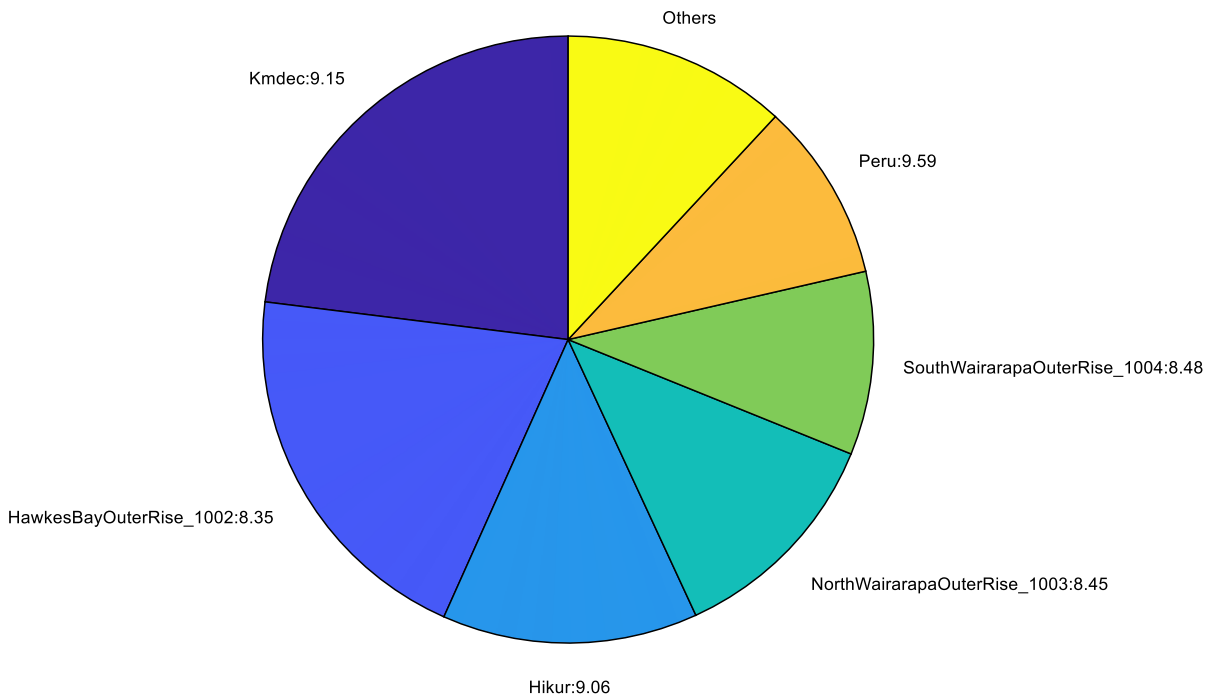
## A1.254 Coastal Section 254: Point Durham



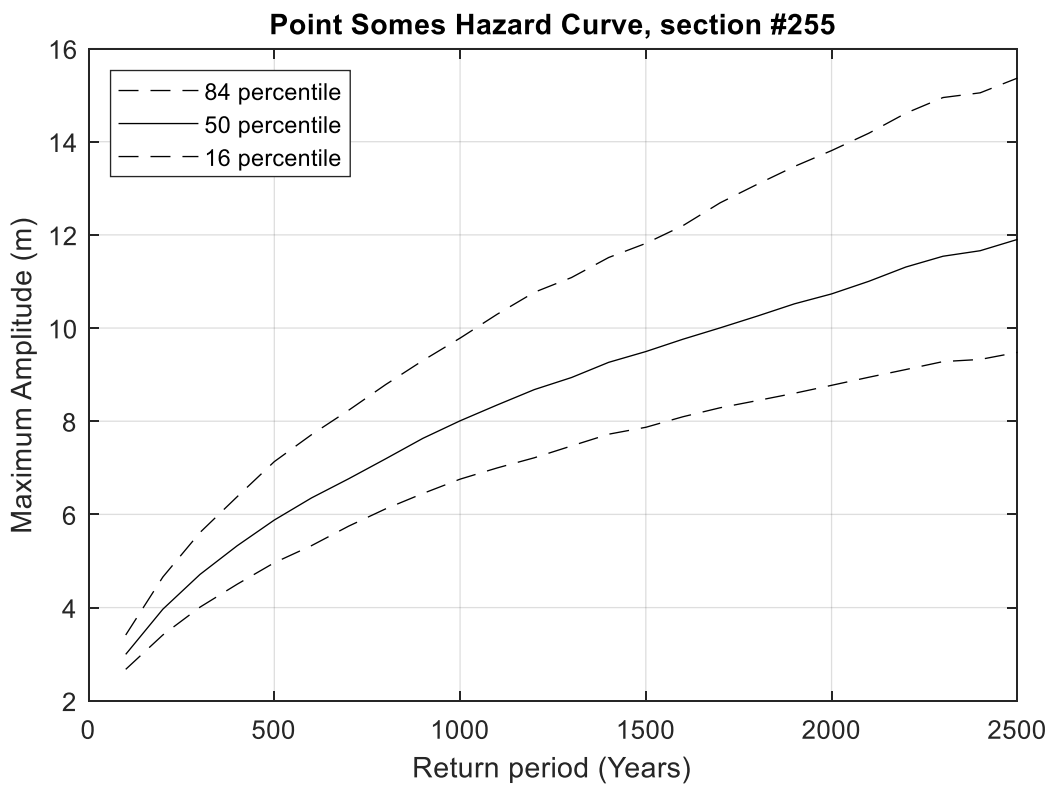
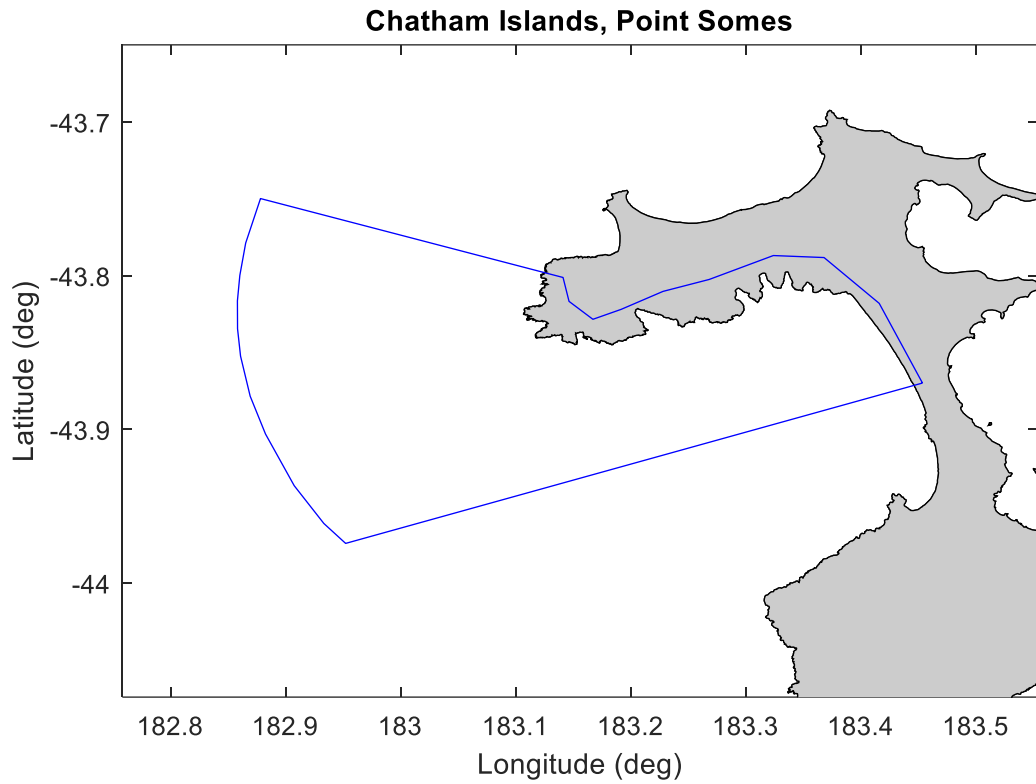
Deaggregation of Section:254, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.27 m



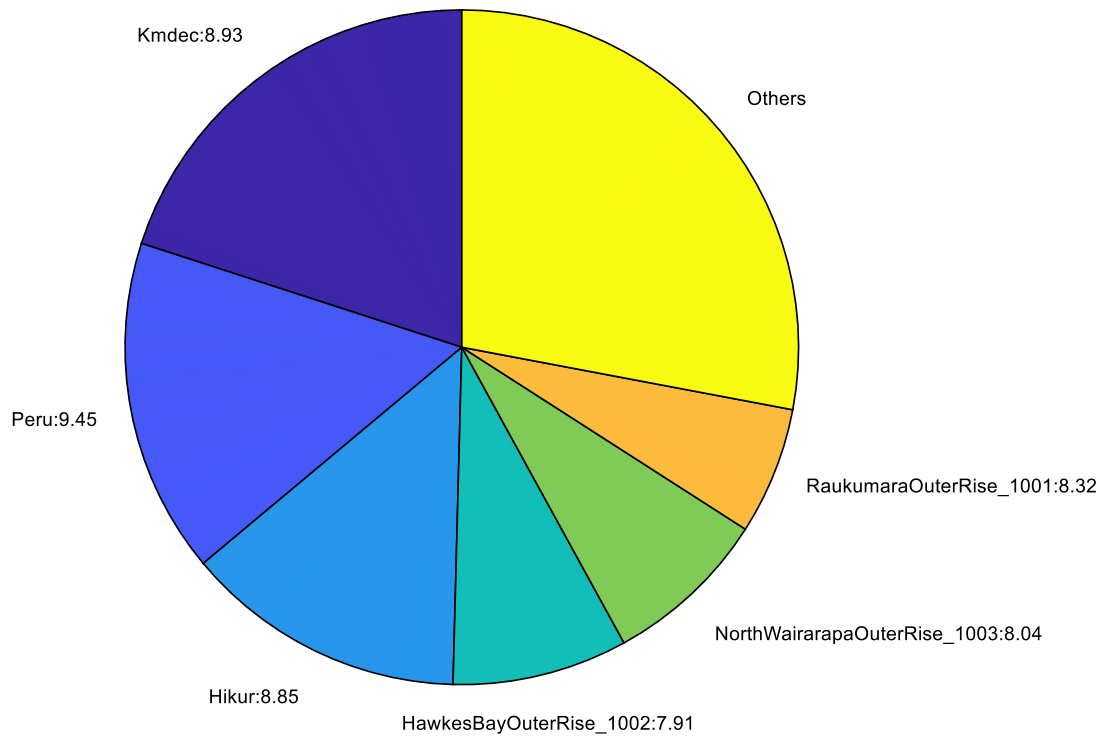
Deaggregation of Section:254, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:9.86 m



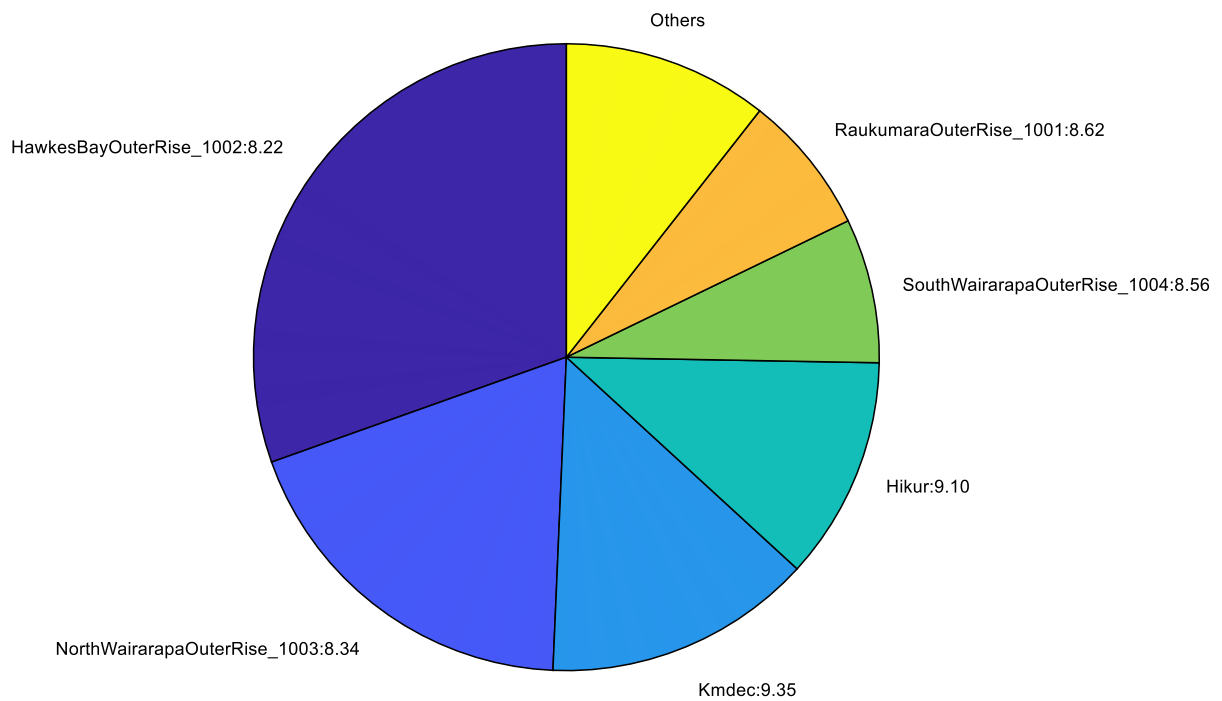
## A1.255 Coastal Section 255: Point Somes



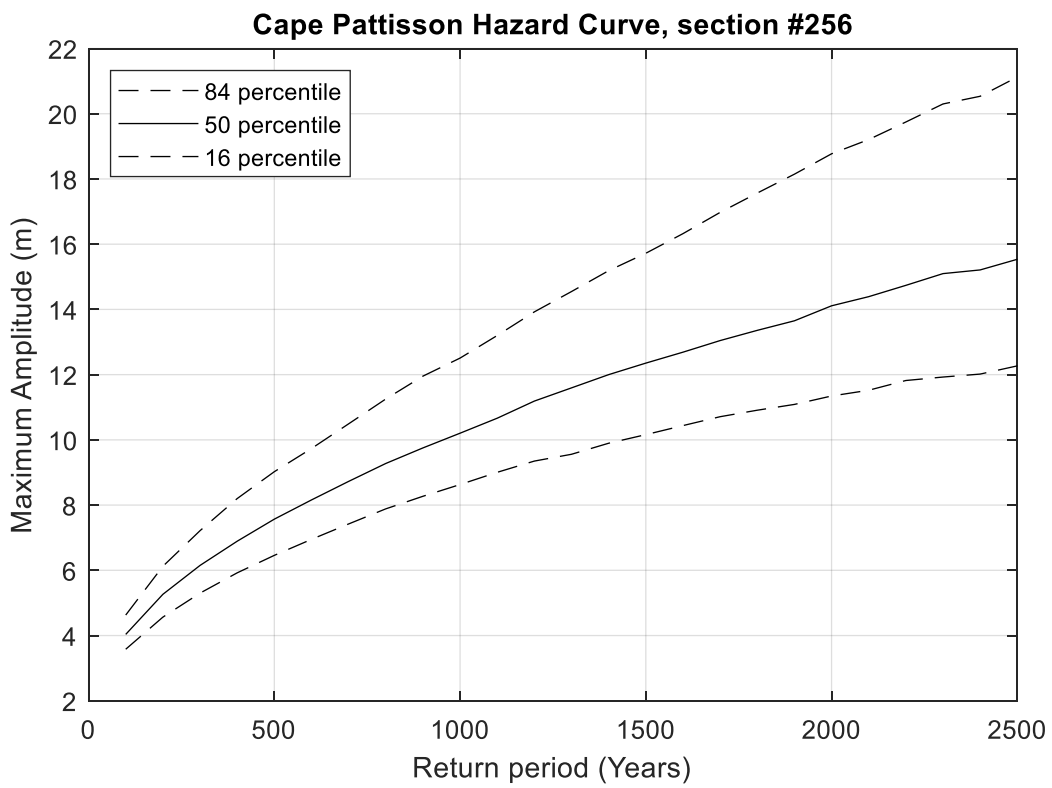
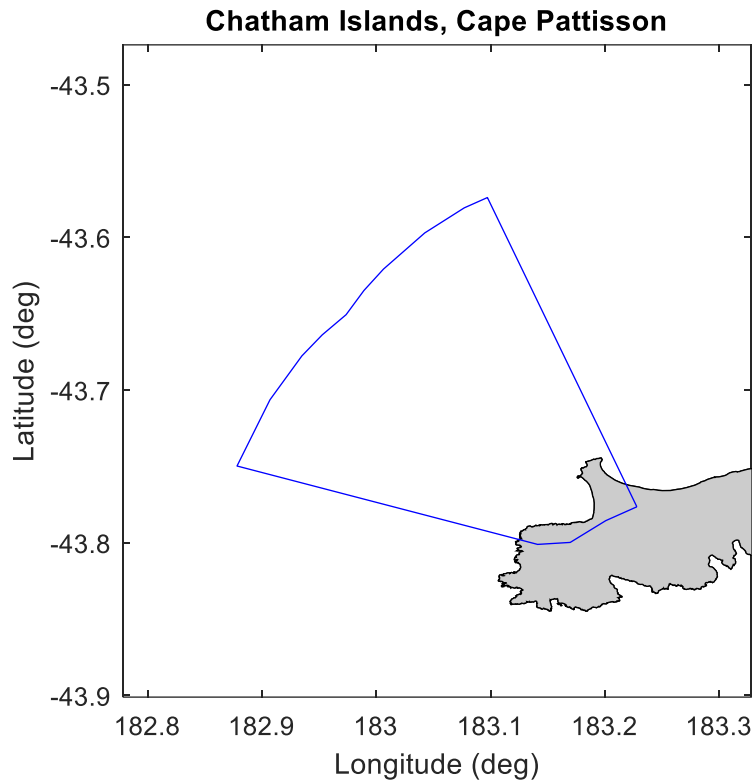
Deaggregation of Section:255, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.88 m



Deaggregation of Section:255, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:11.90 m

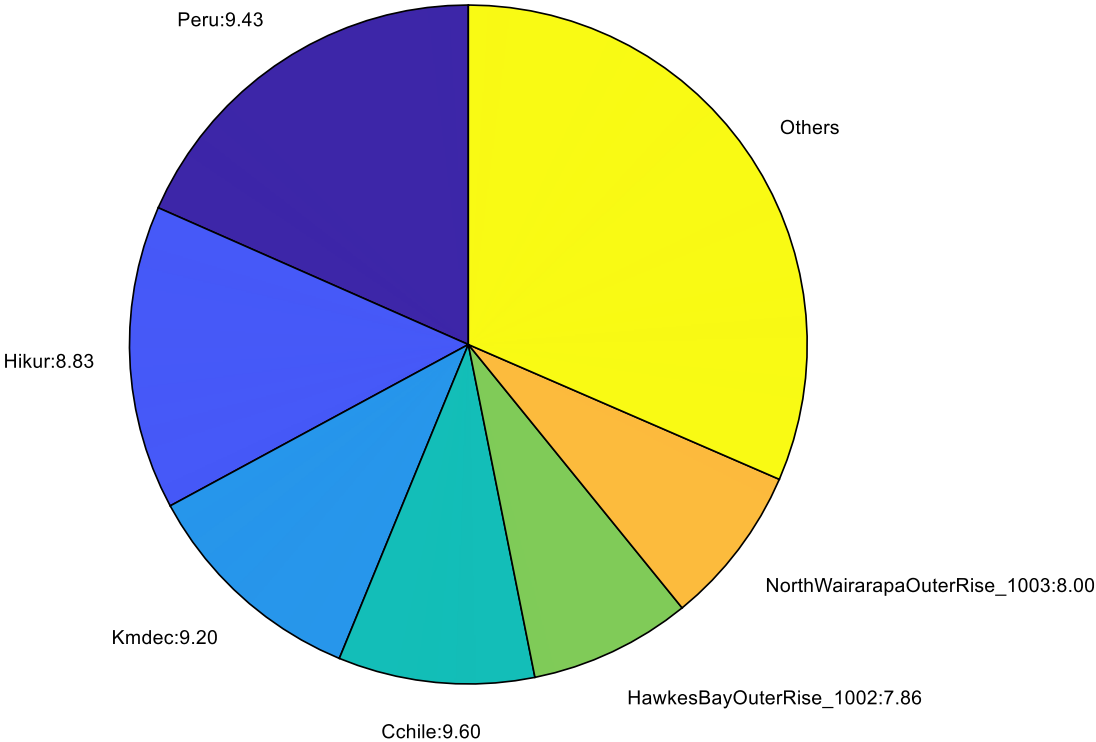


## A1.256 Coastal Section 256: Cape Patisson

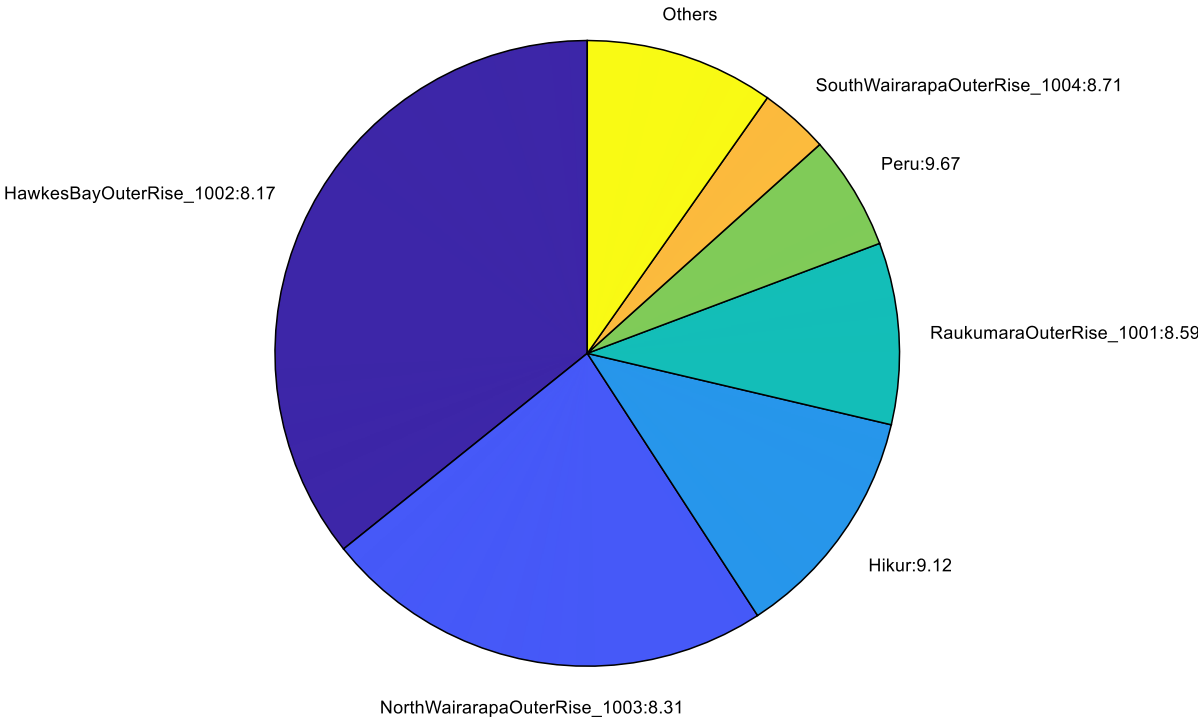




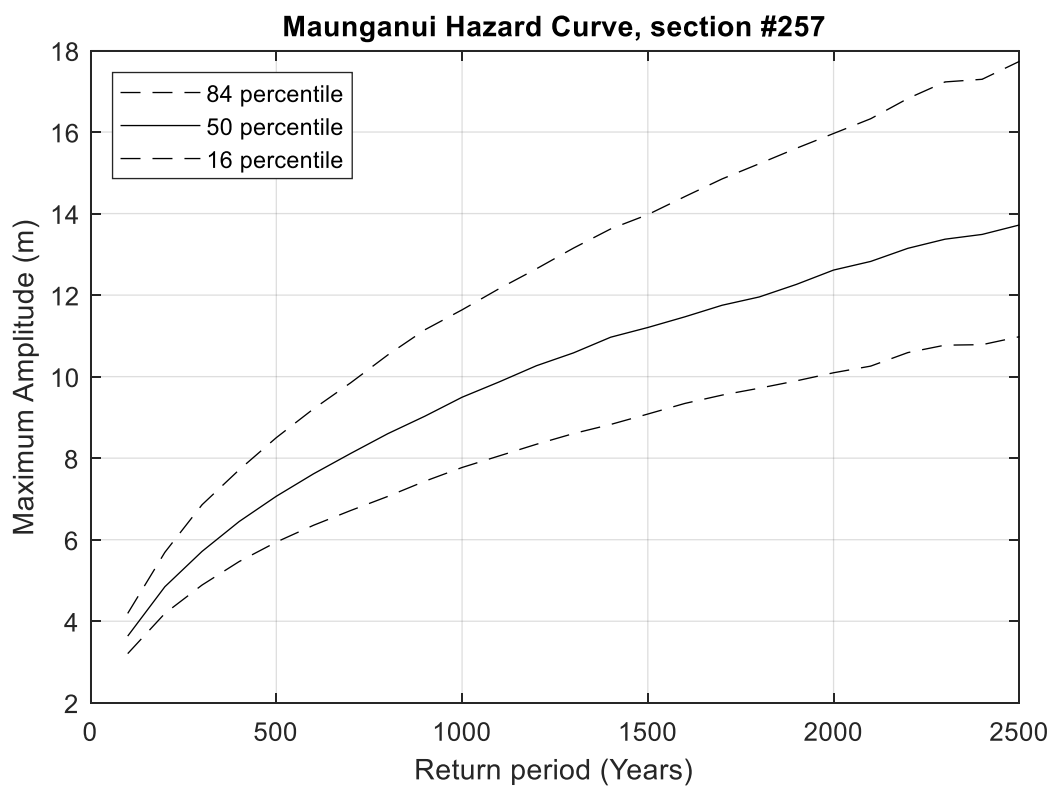
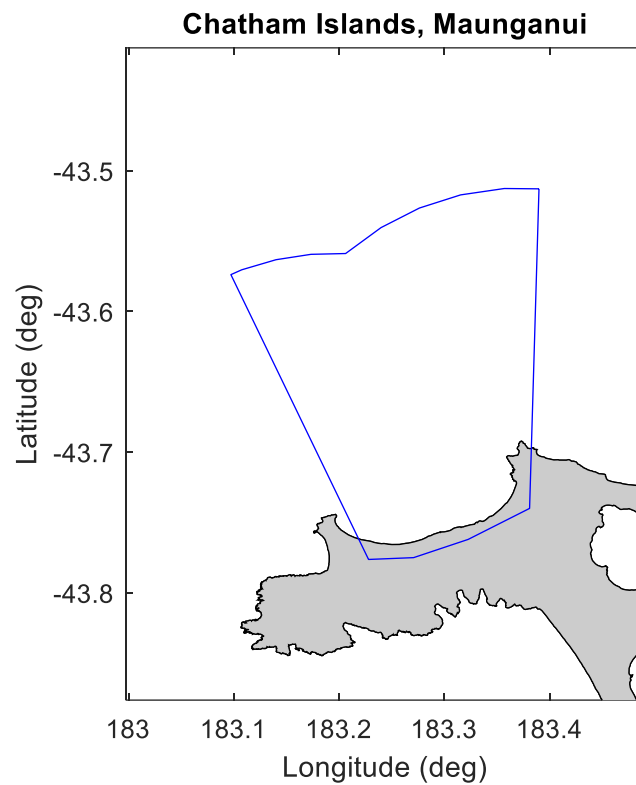
Deaggregation of Section:256, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.57 m



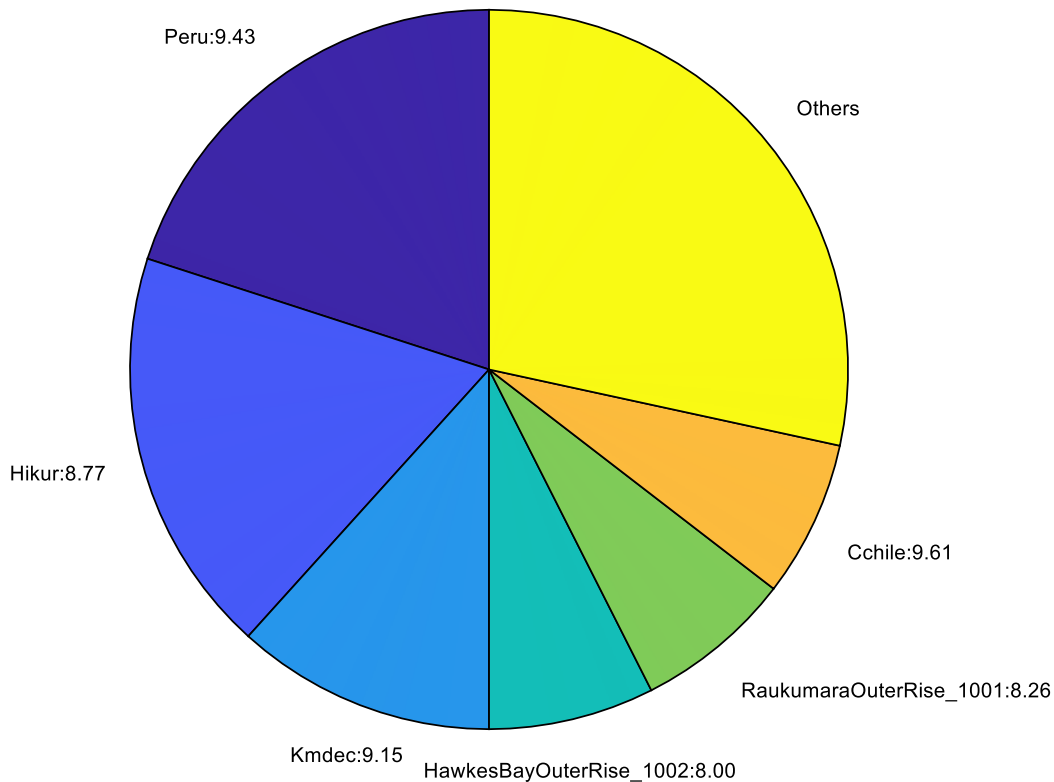
Deaggregation of Section:256, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:15.52 m



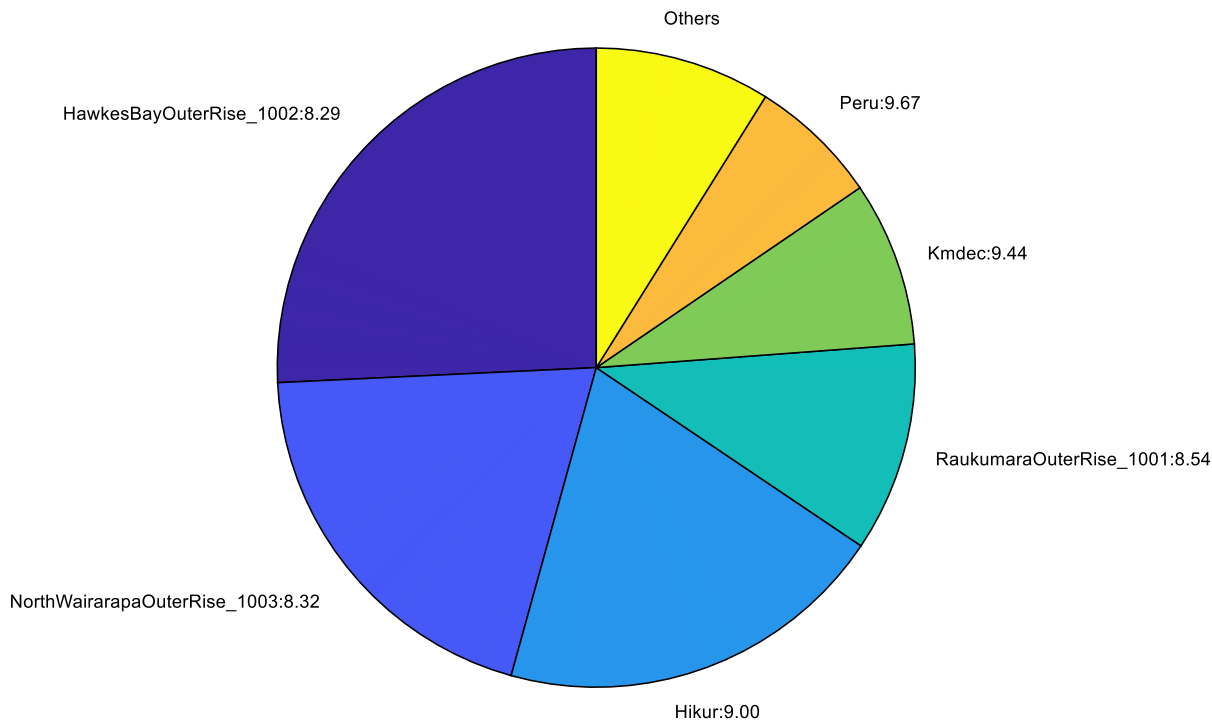
## A1.257 Coastal Section 257: Maunganui



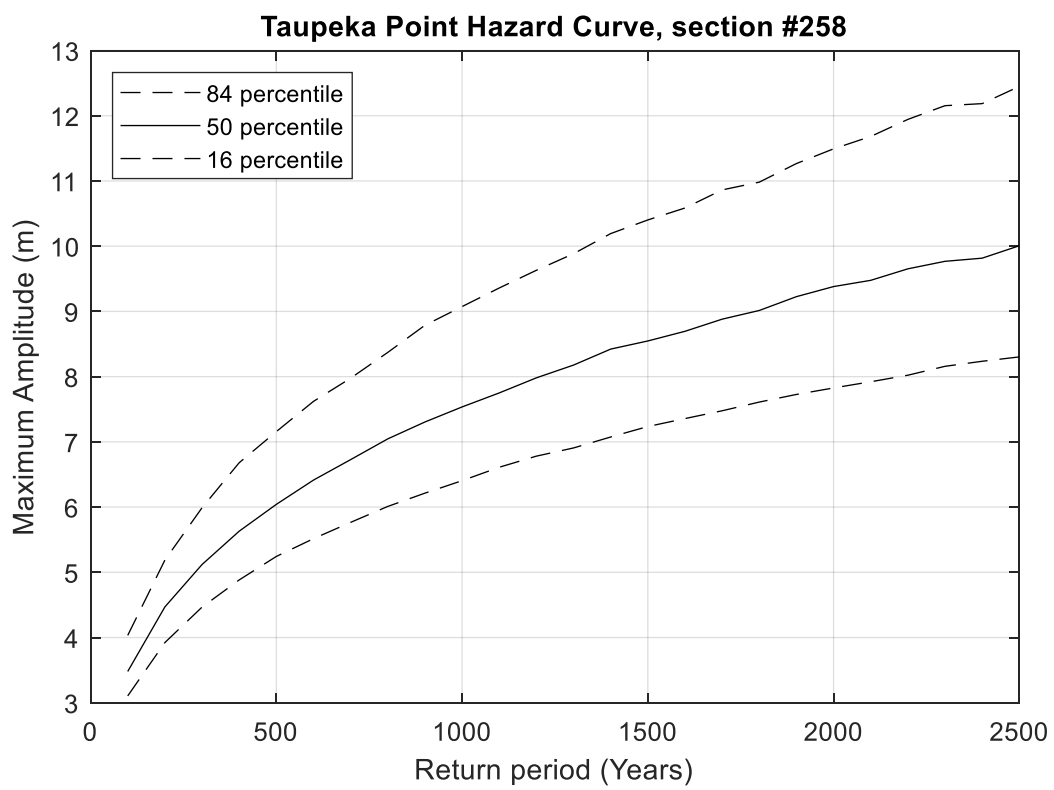
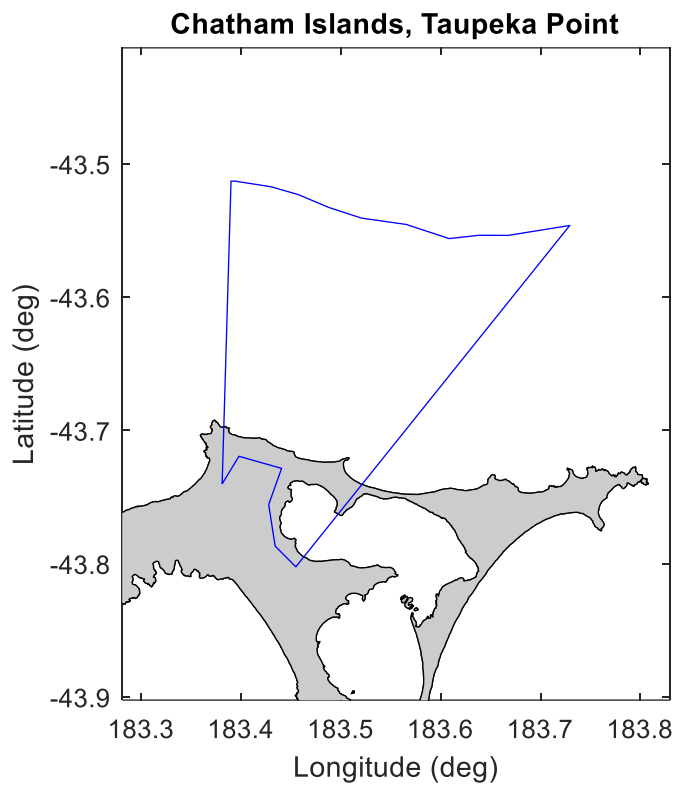
Deaggregation of Section:257, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.06 m



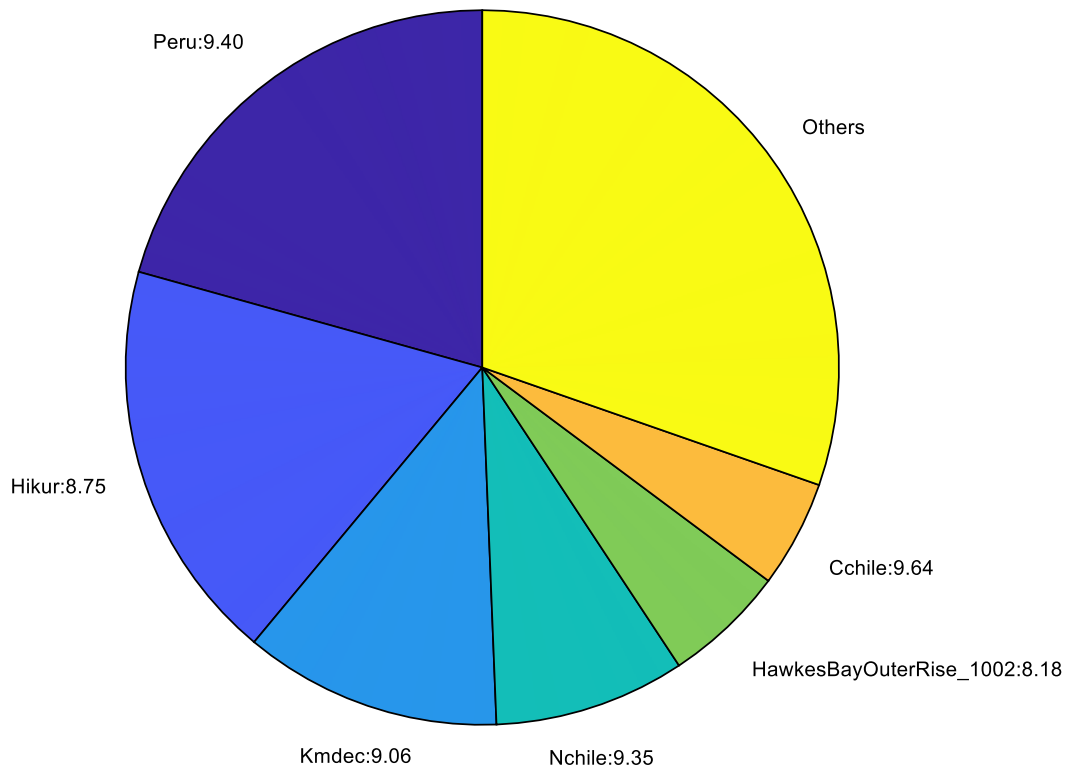
Deaggregation of Section:257, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:13.71 m



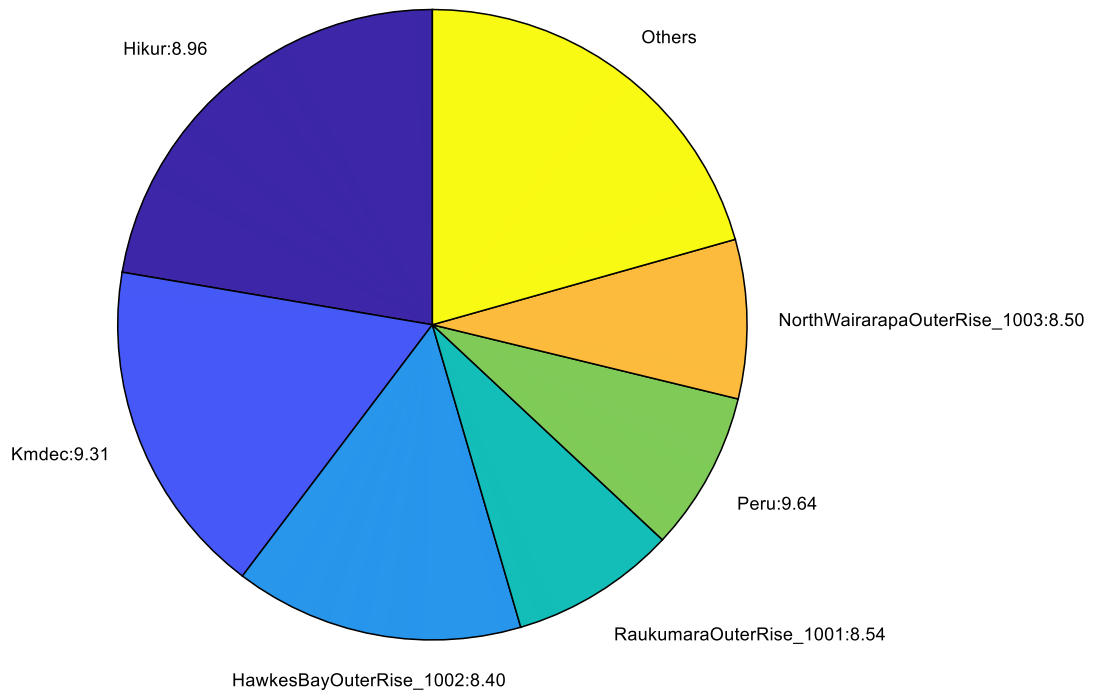
## A1.258 Coastal Section 258: Taupeka Point



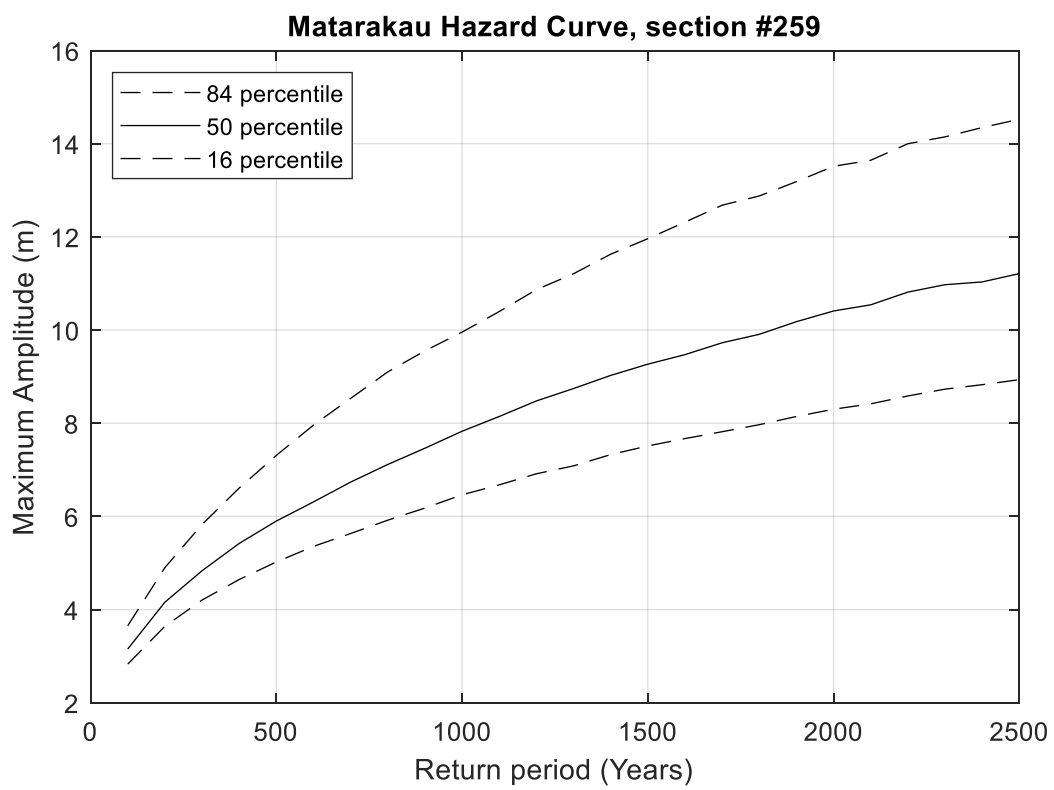
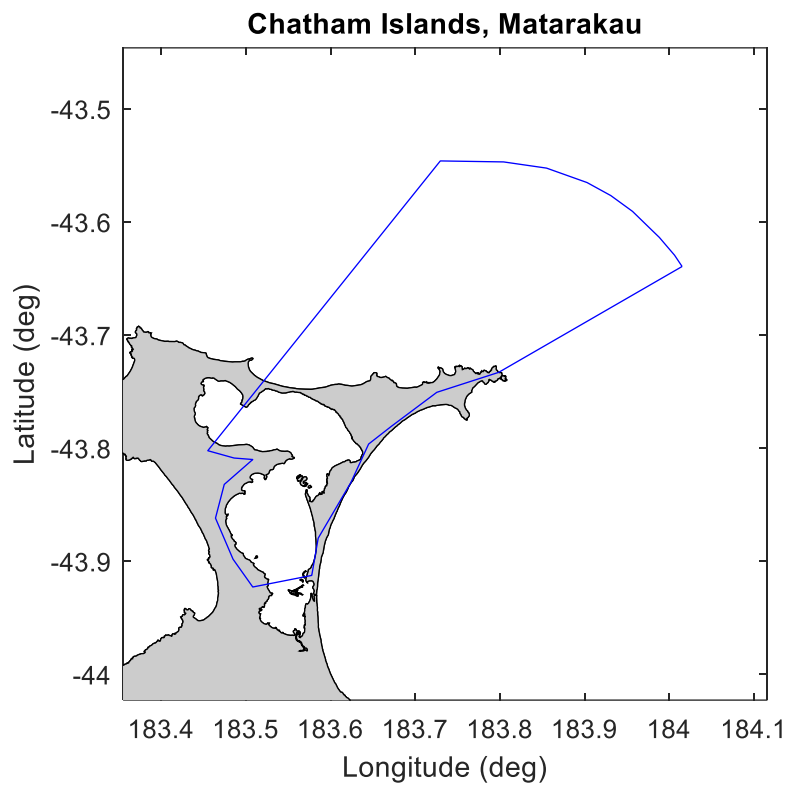
Deaggregation of Section:258, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.04 m



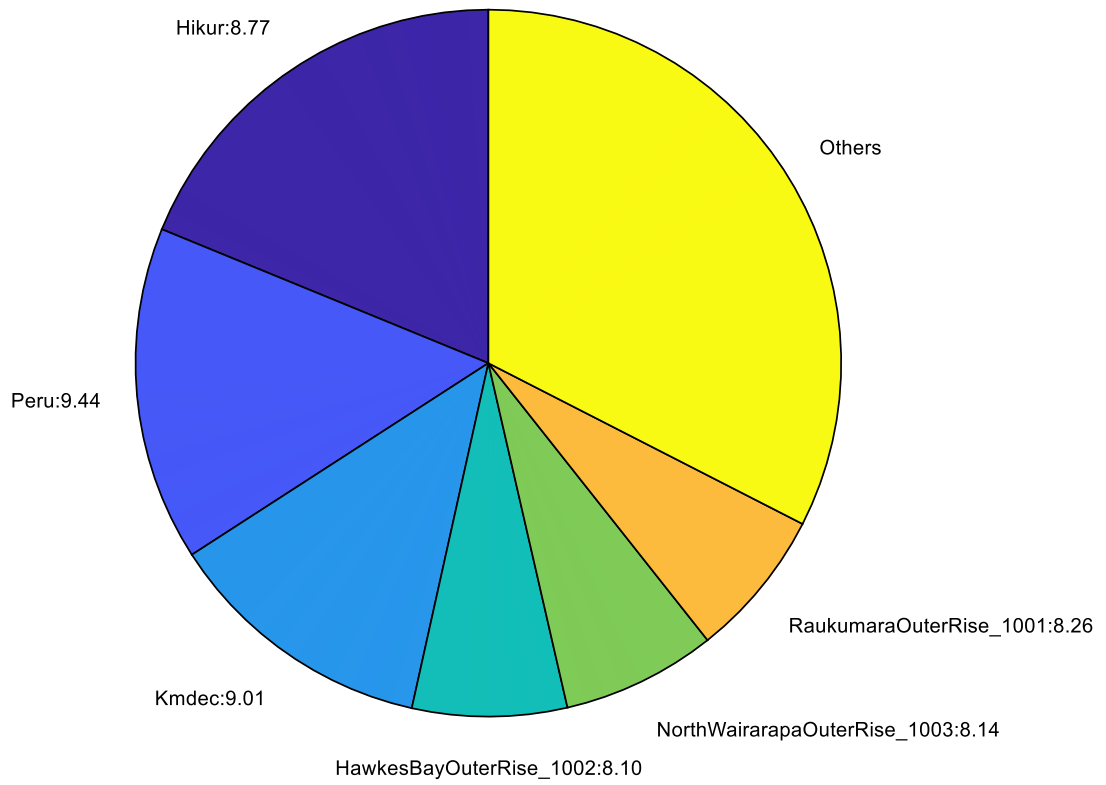
Deaggregation of Section:258, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:10.00 m



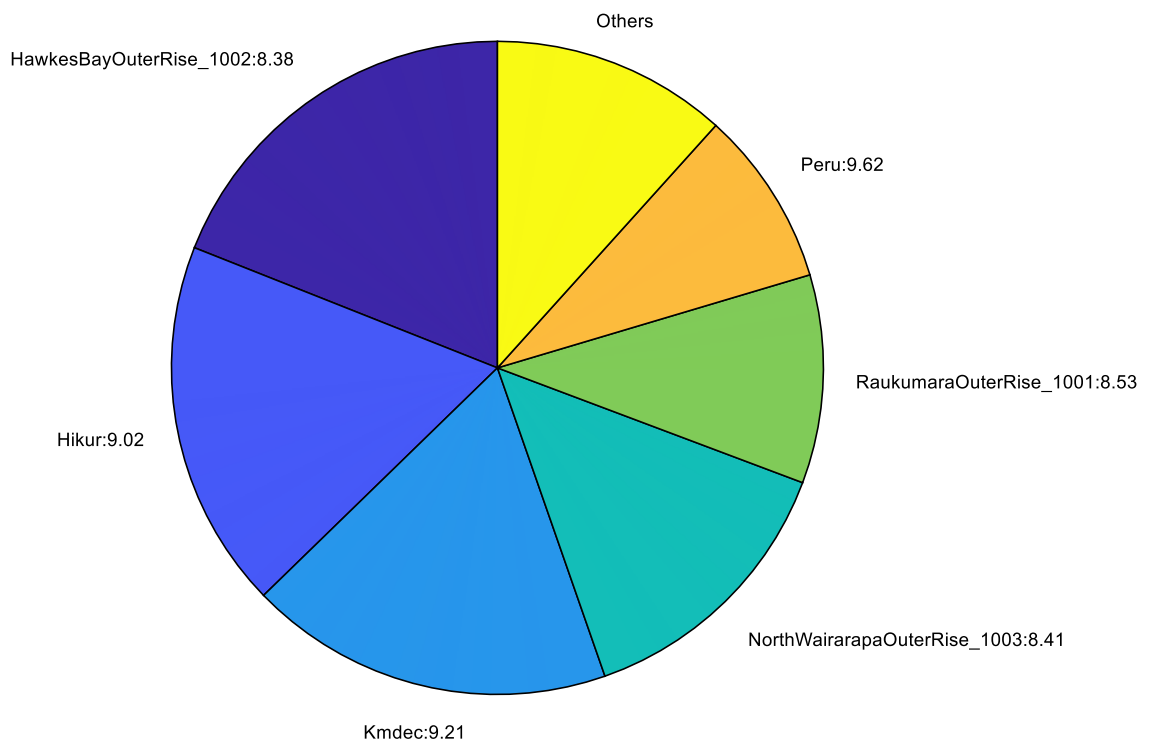
# A1.259 Coastal Section 259: Matarakau



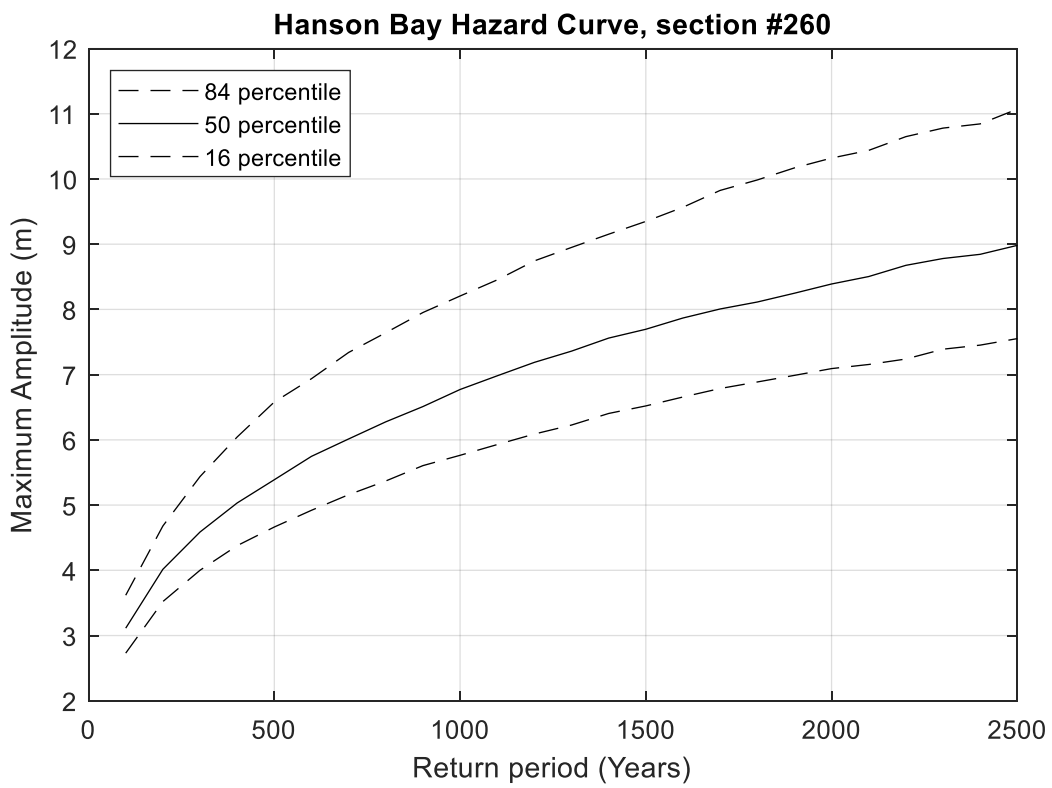
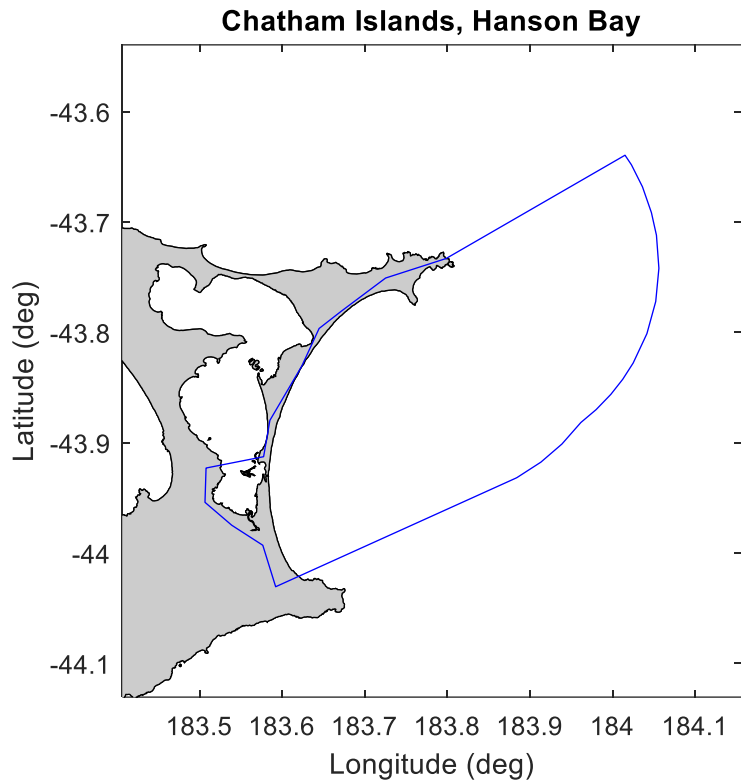
**Deaggregation of Section:259, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.90 m**



**Deaggregation of Section:259, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:11.21 m**

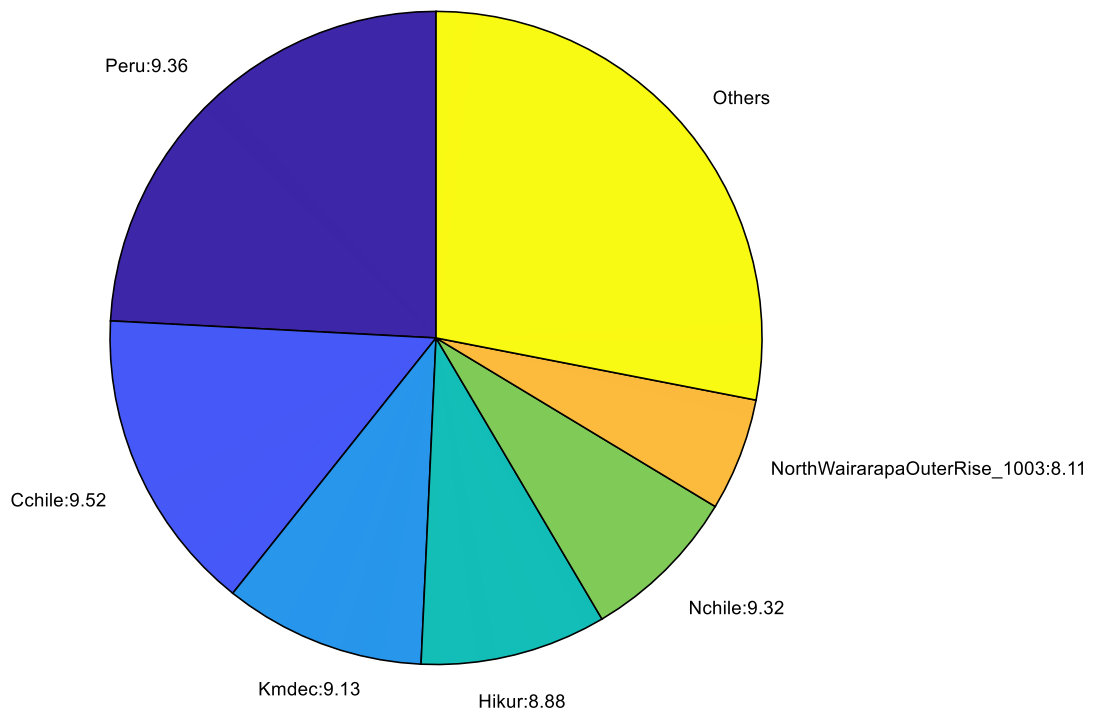


## A1.260 Coastal Section 260: Hanson Bay

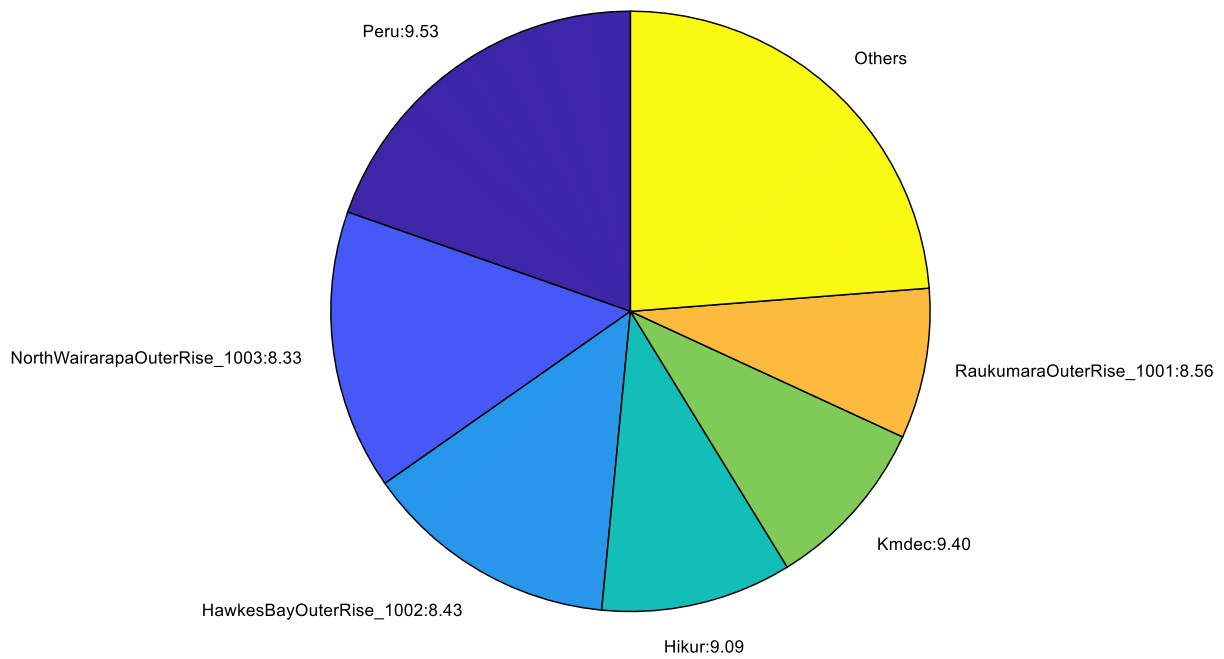




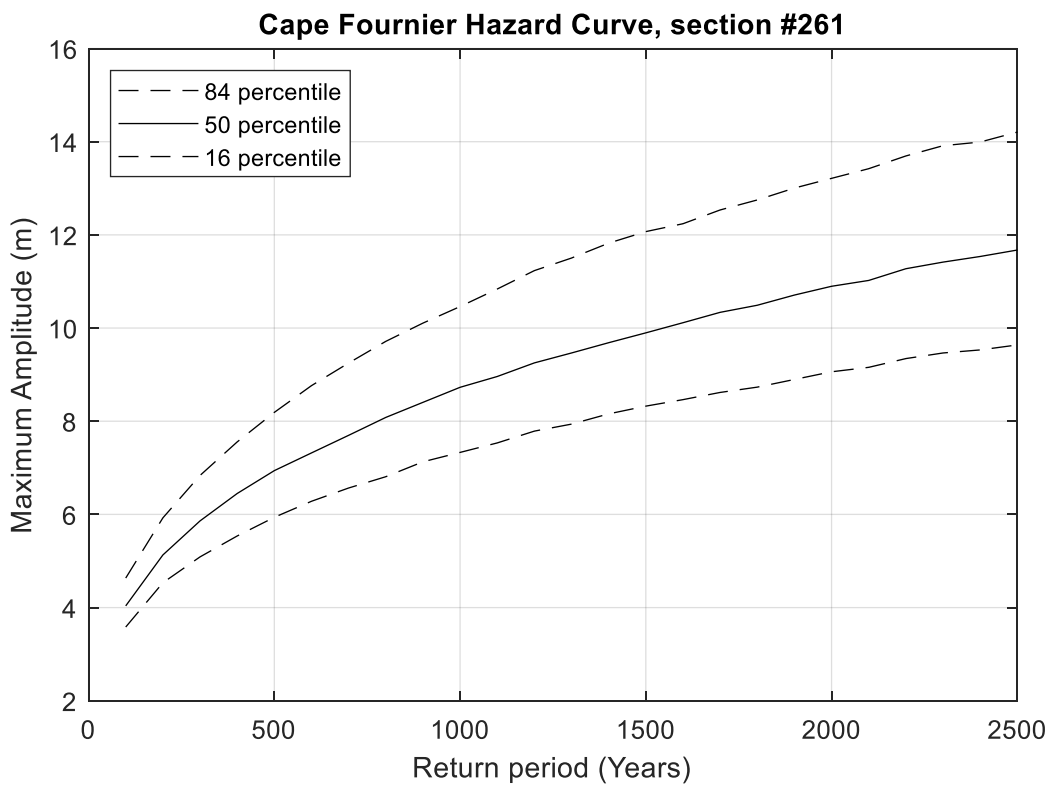
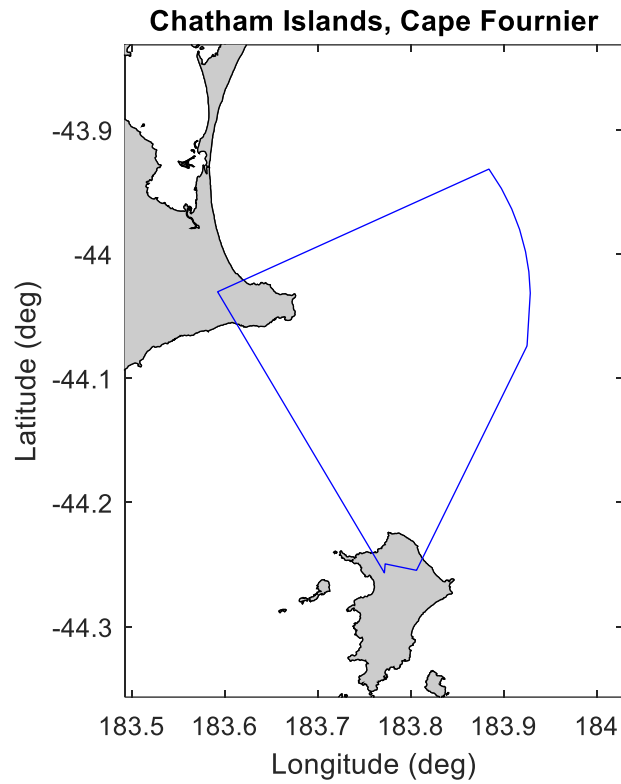
Deaggregation of Section:260, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.39 m



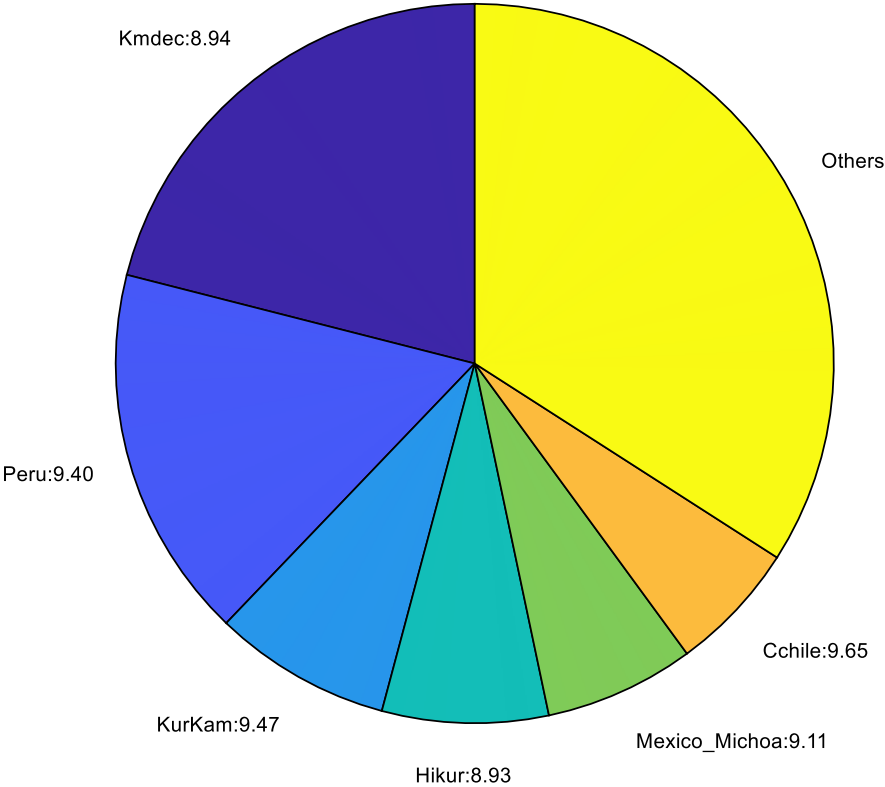
Deaggregation of Section:260, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.98 m



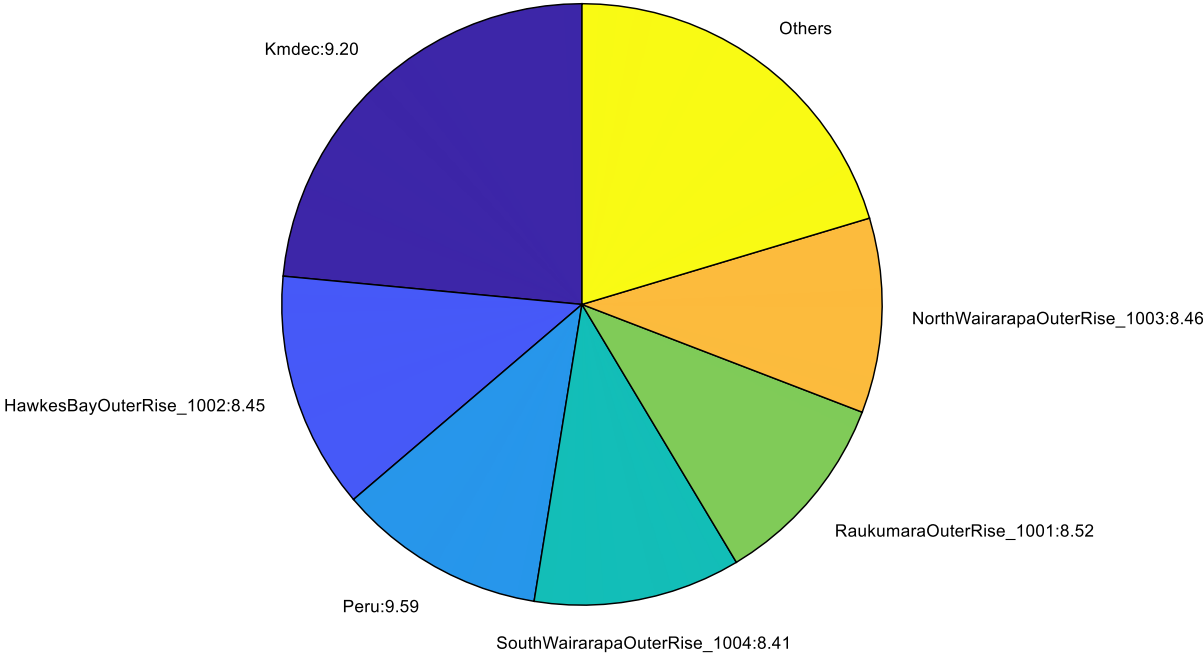
## A1.261 Coastal Section 261: Cape Fournier



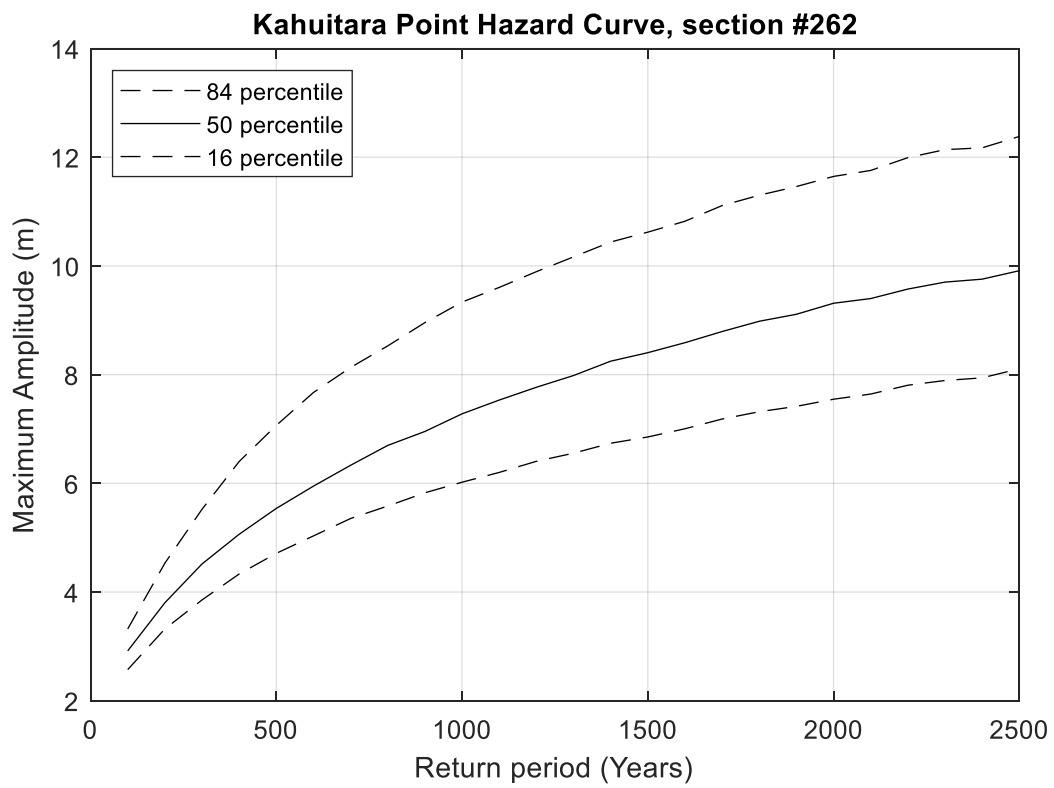
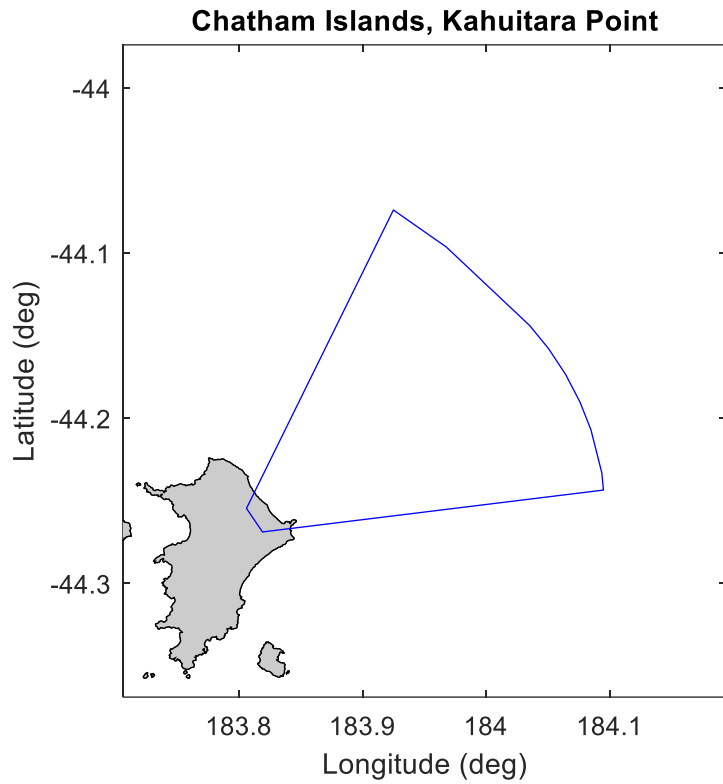
Deaggregation of Section:261, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:6.94 m



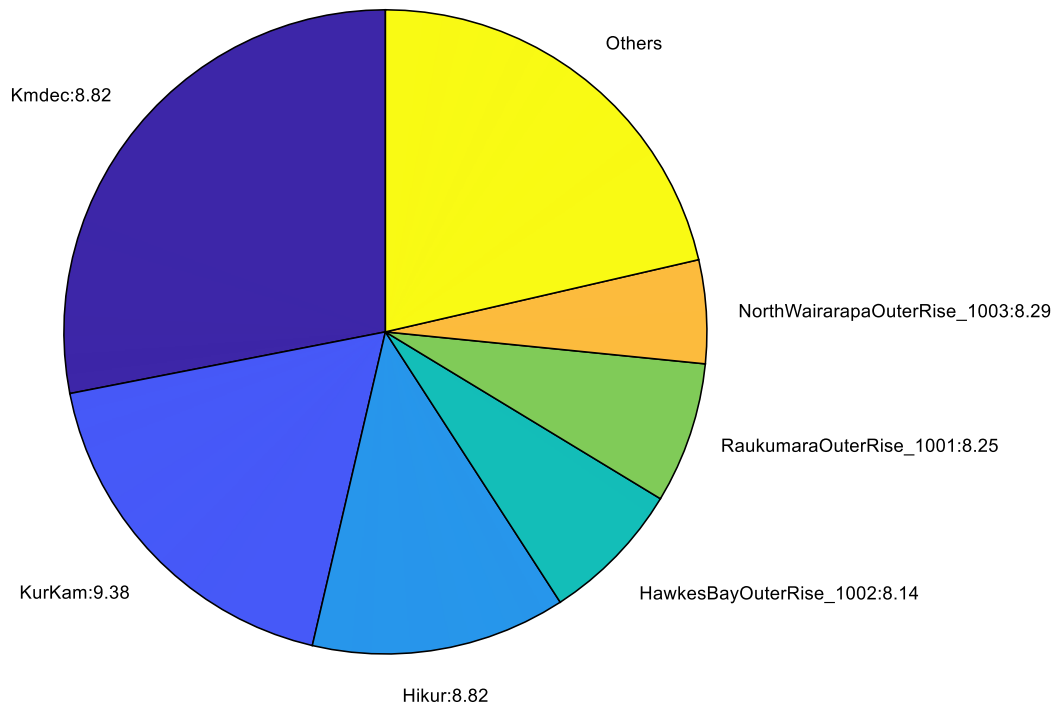
Deaggregation of Section:261, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:11.67 m



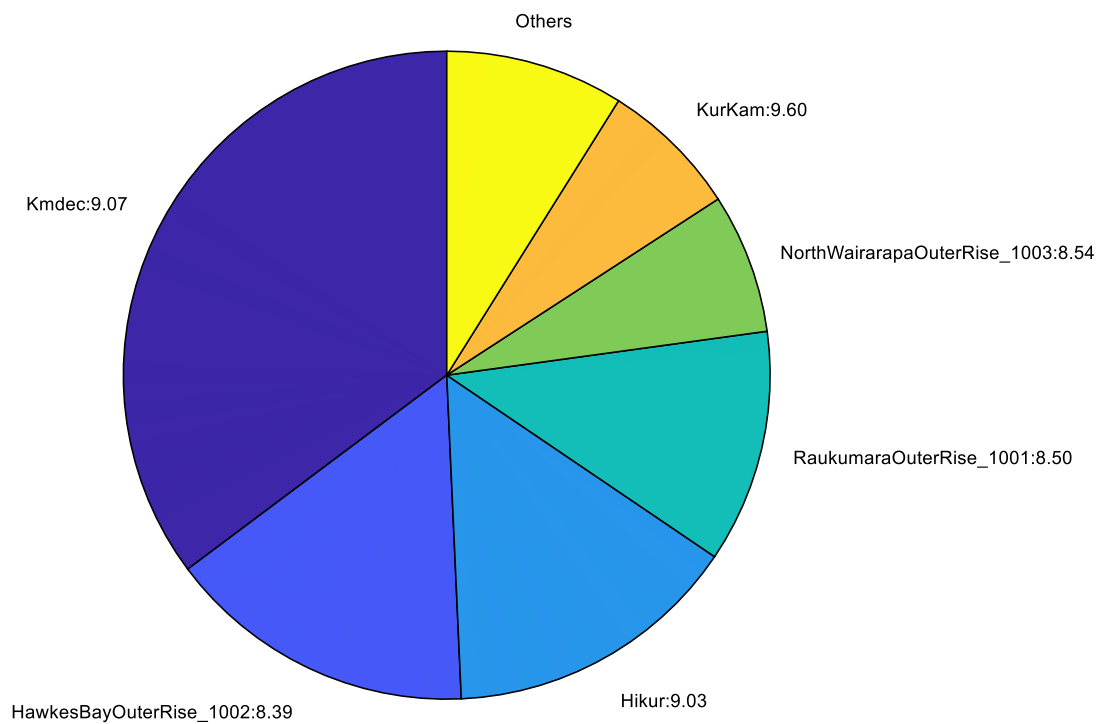
## A1.262 Coastal Section 262: Kahuitara Point



Deaggregation of Section:262, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.54 m

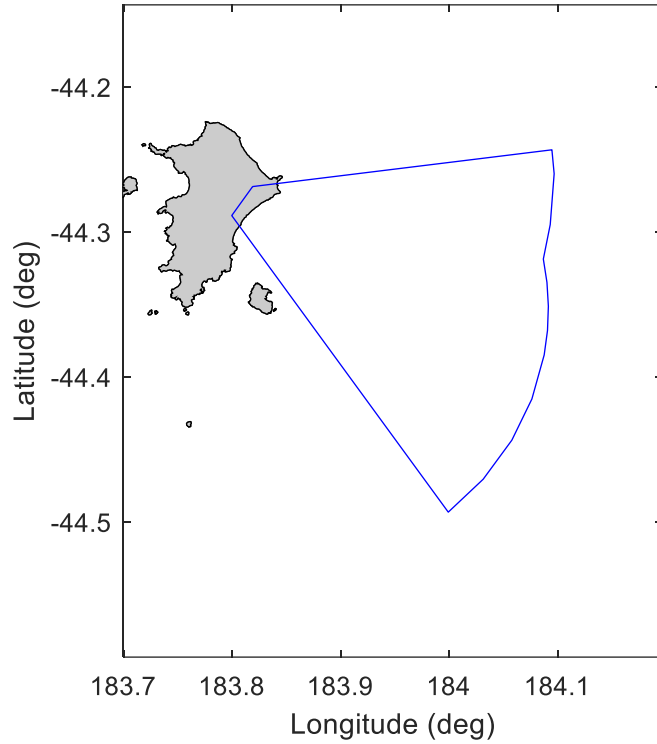


Deaggregation of Section:262, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:9.91 m

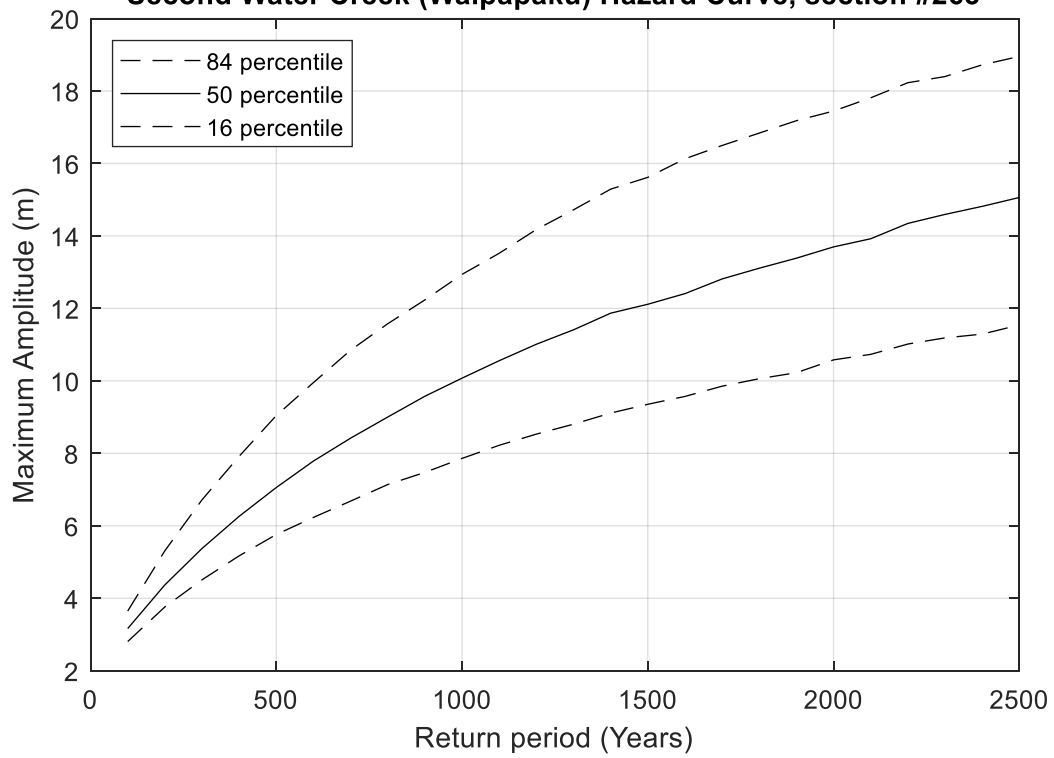


## A1.263 Coastal Section 263: Second Water Creek (Waipapaku)

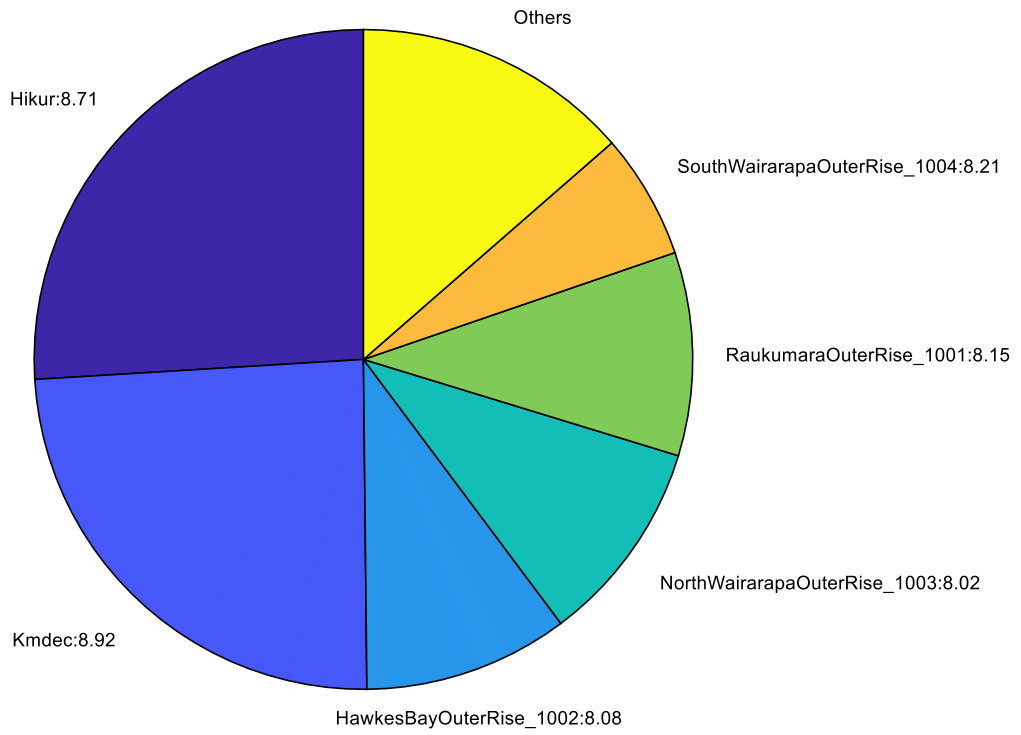
### Chatham Islands, Second Water Creek (Waipapaku)



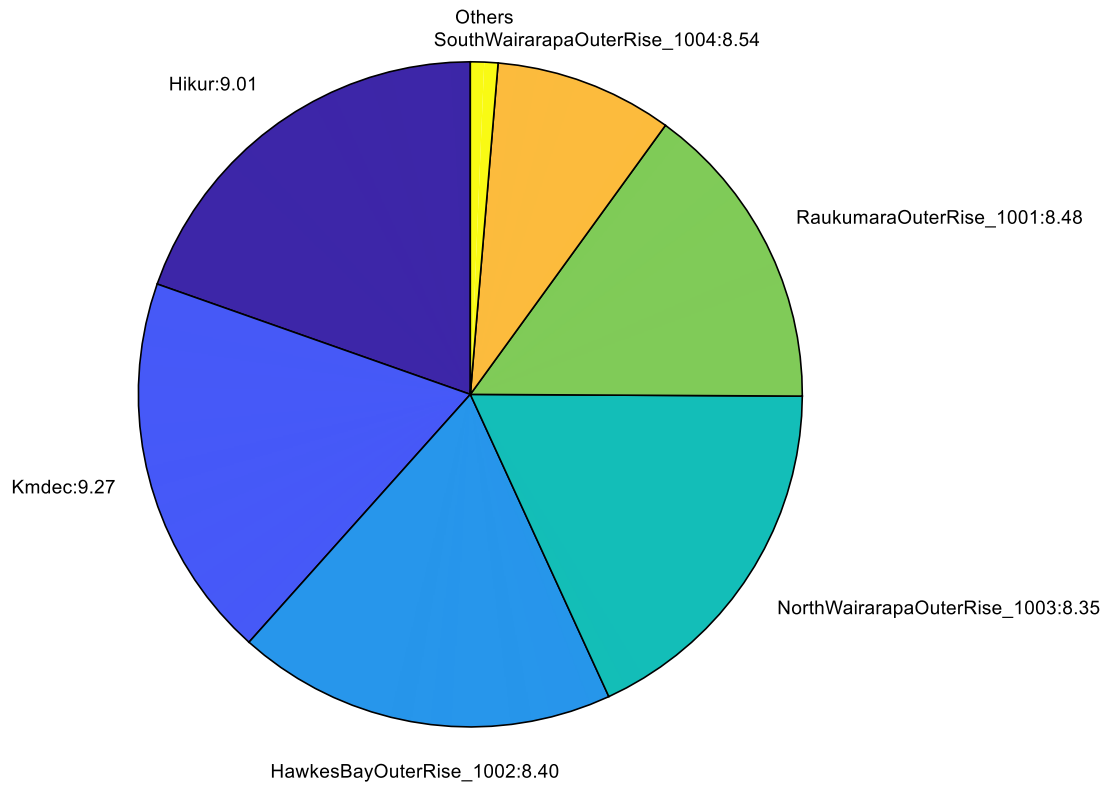
### Second Water Creek (Waipapaku) Hazard Curve, section #263



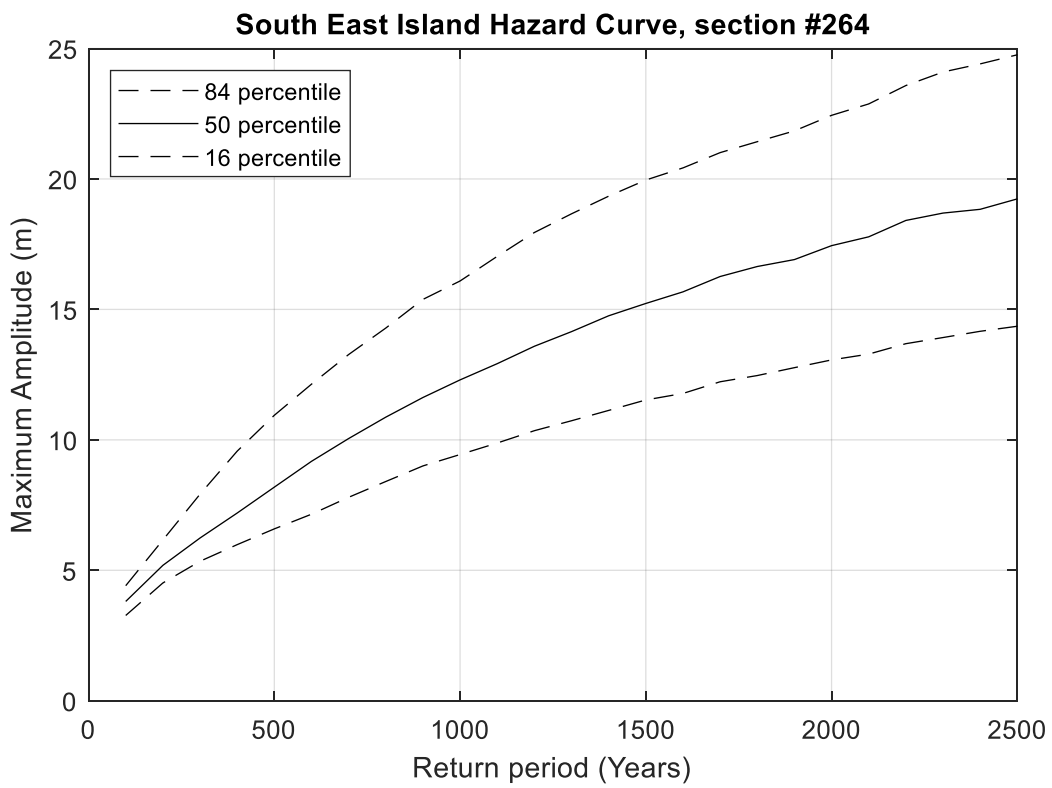
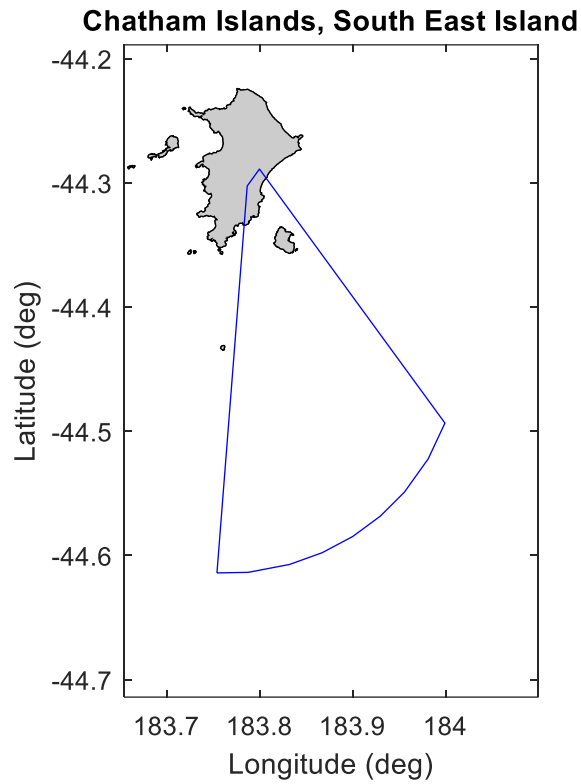
Deaggregation of Section:263, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.06 m



Deaggregation of Section:263, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:15.06 m

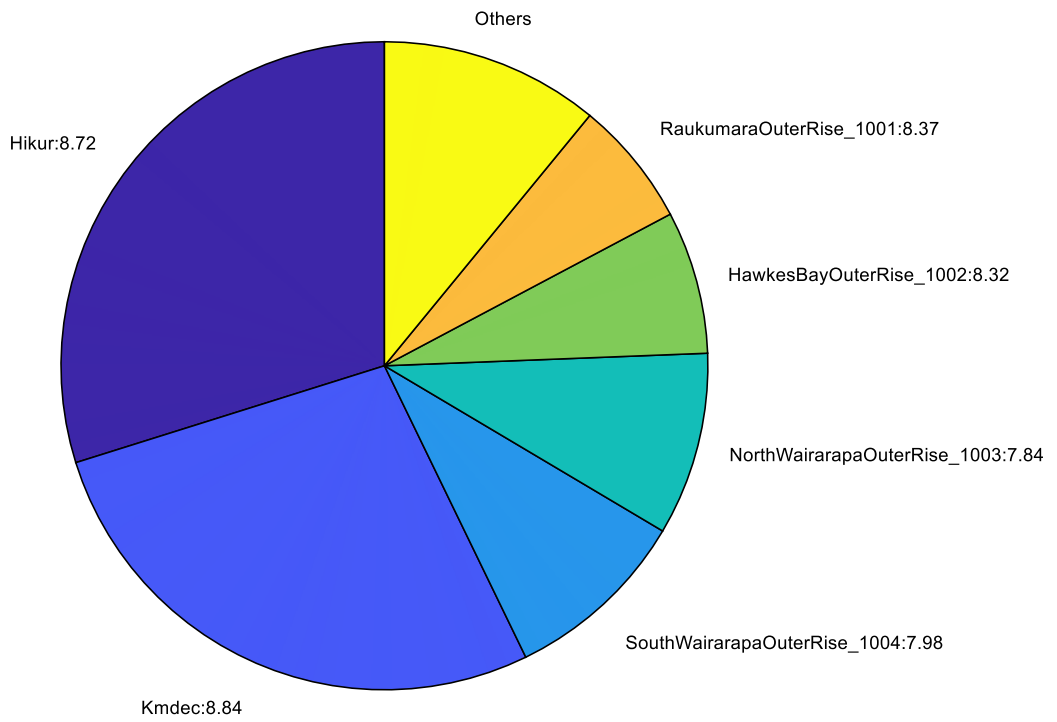


## A1.264 Coastal Section 264: South East Island

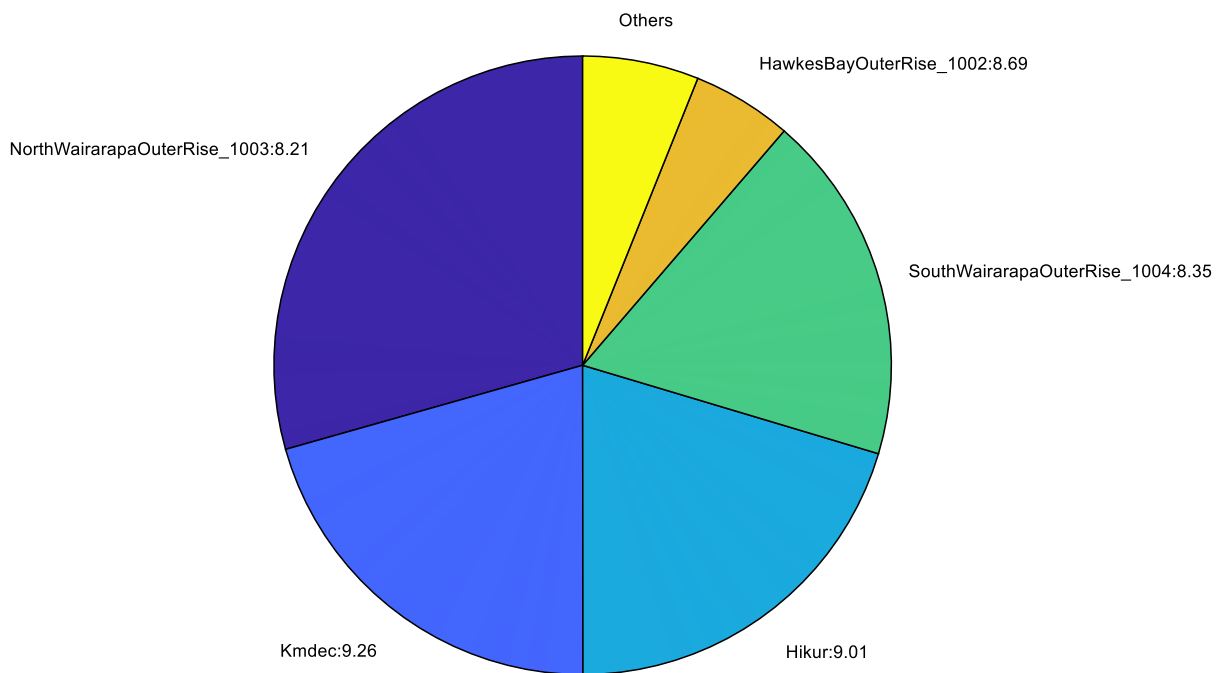




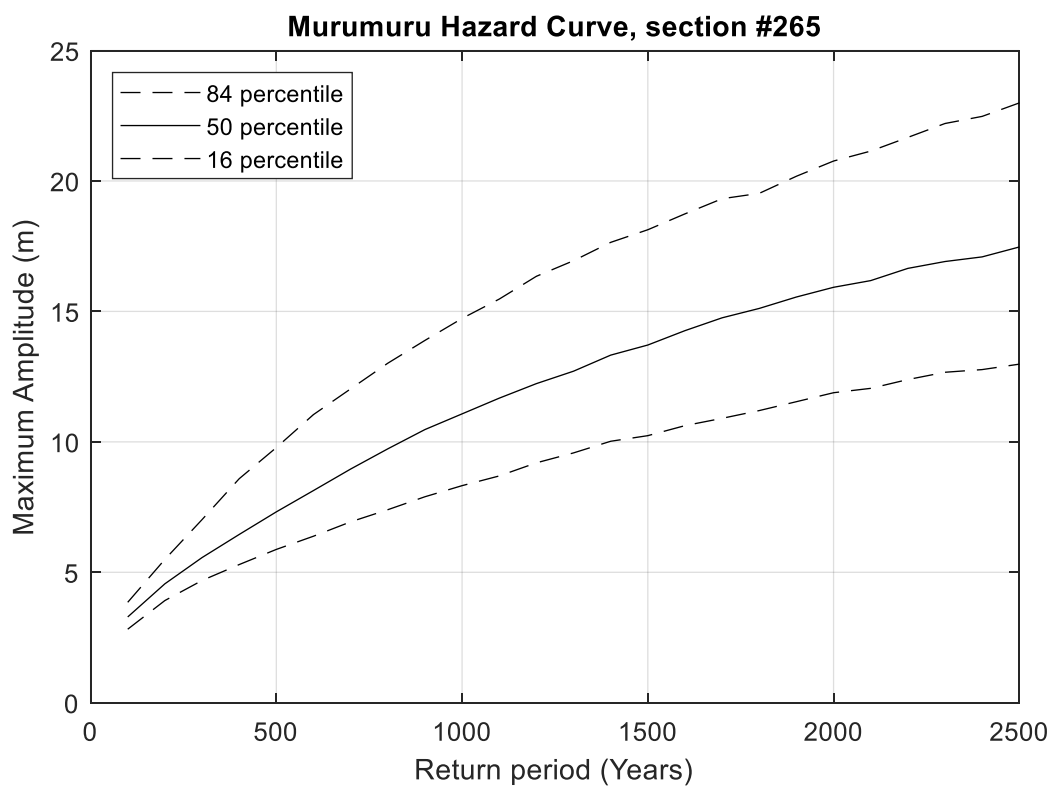
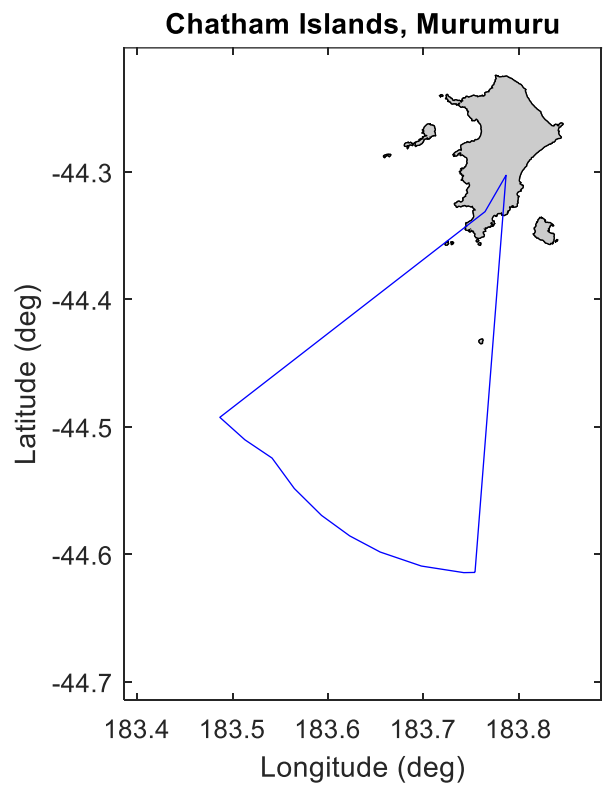
Deaggregation of Section:264, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:8.19 m



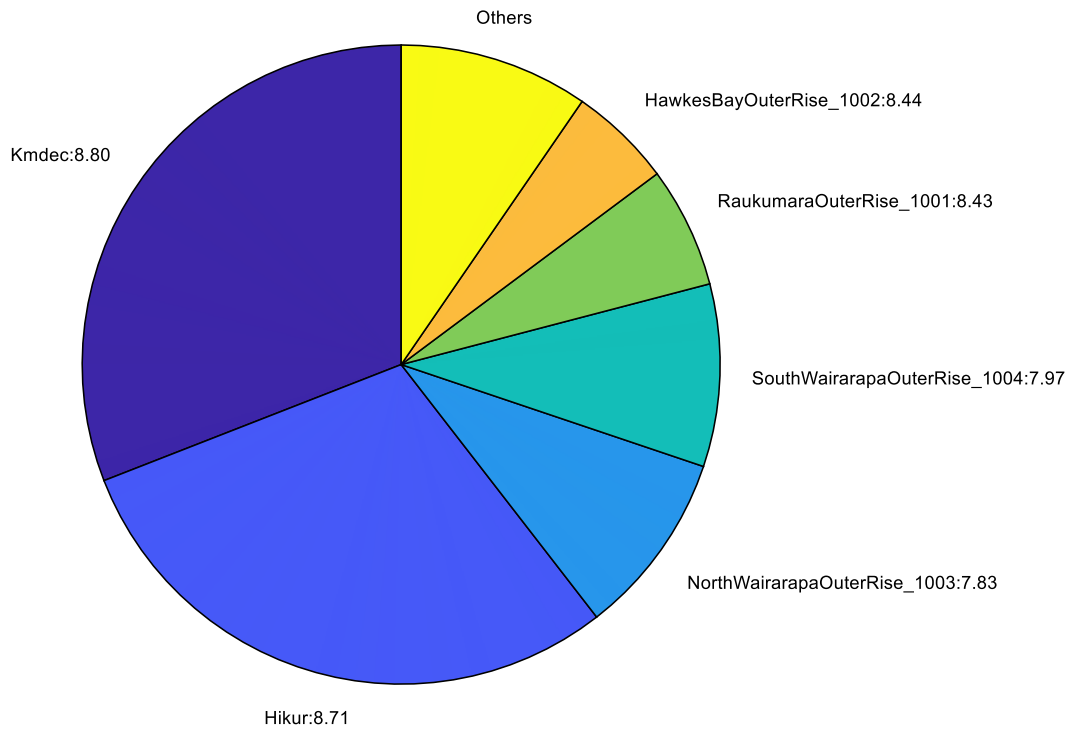
Deaggregation of Section:264, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:19.23 m



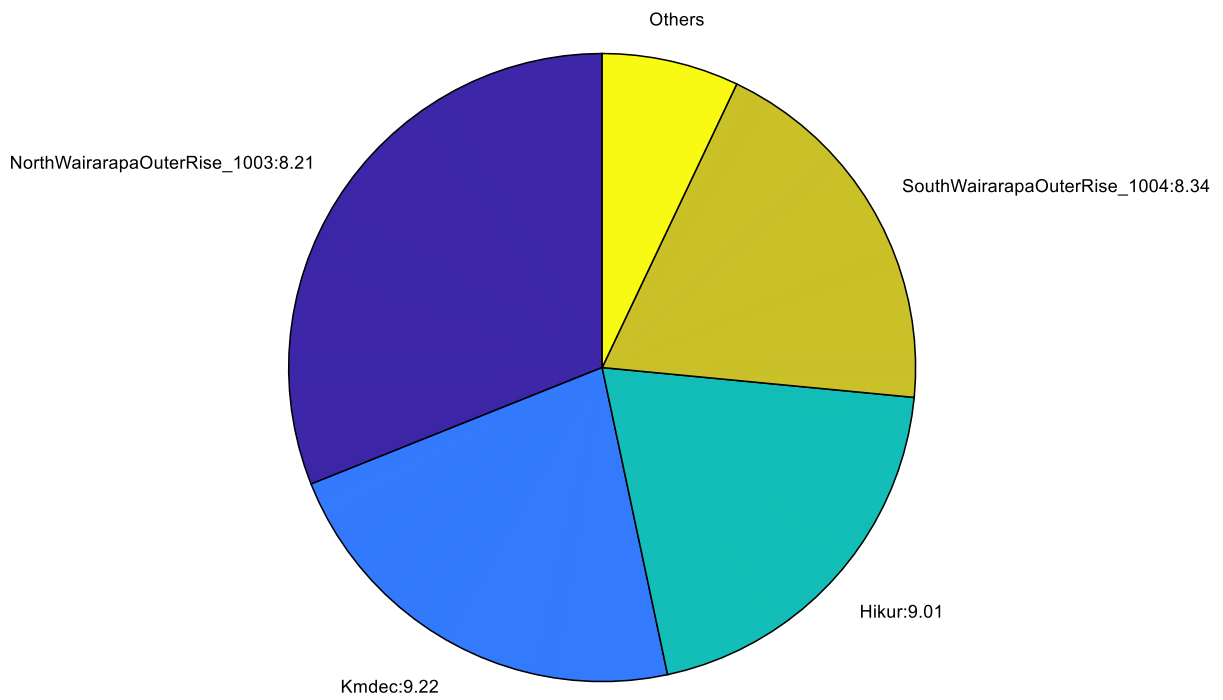
**A1.265 Coastal Section 265: Murumuru**



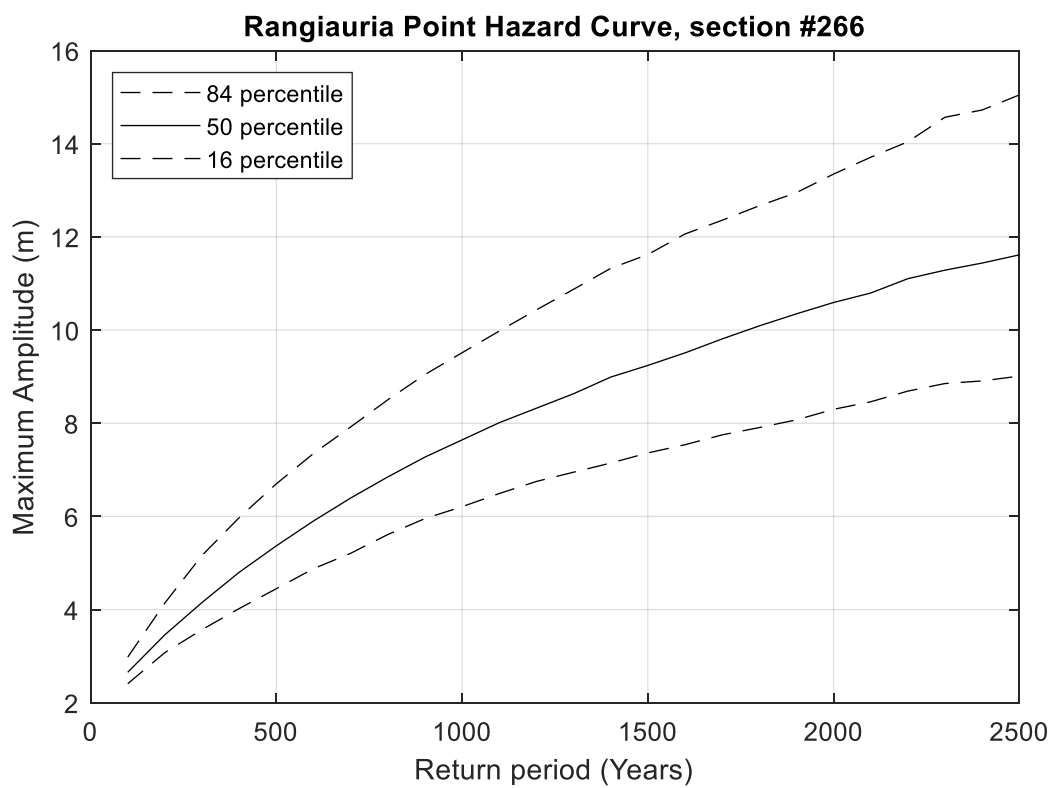
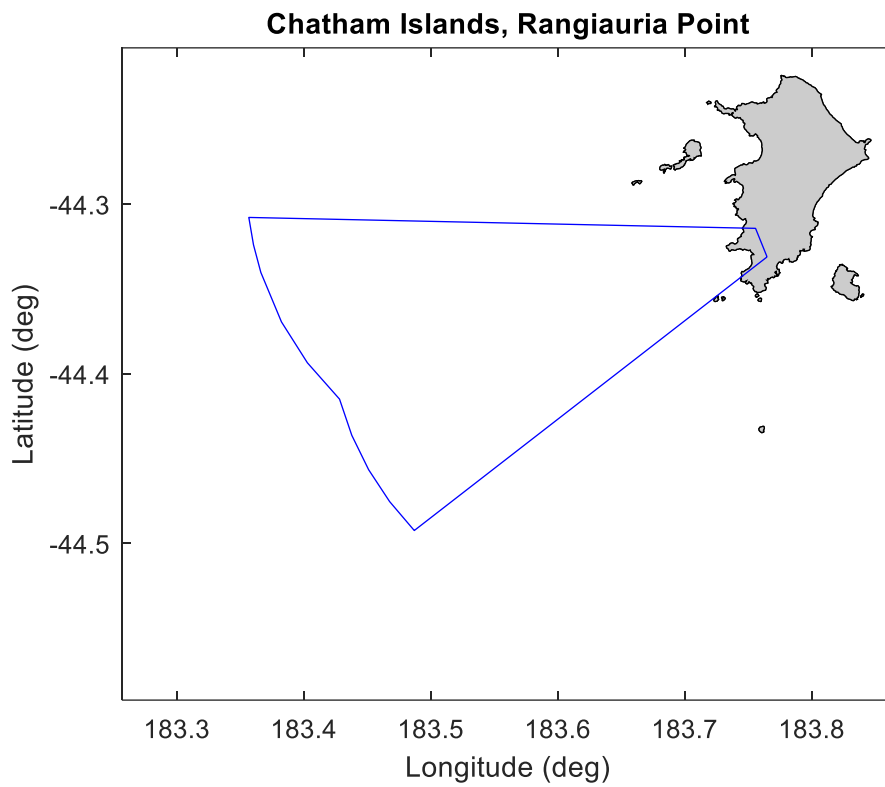
Deaggregation of Section:265, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:7.32 m



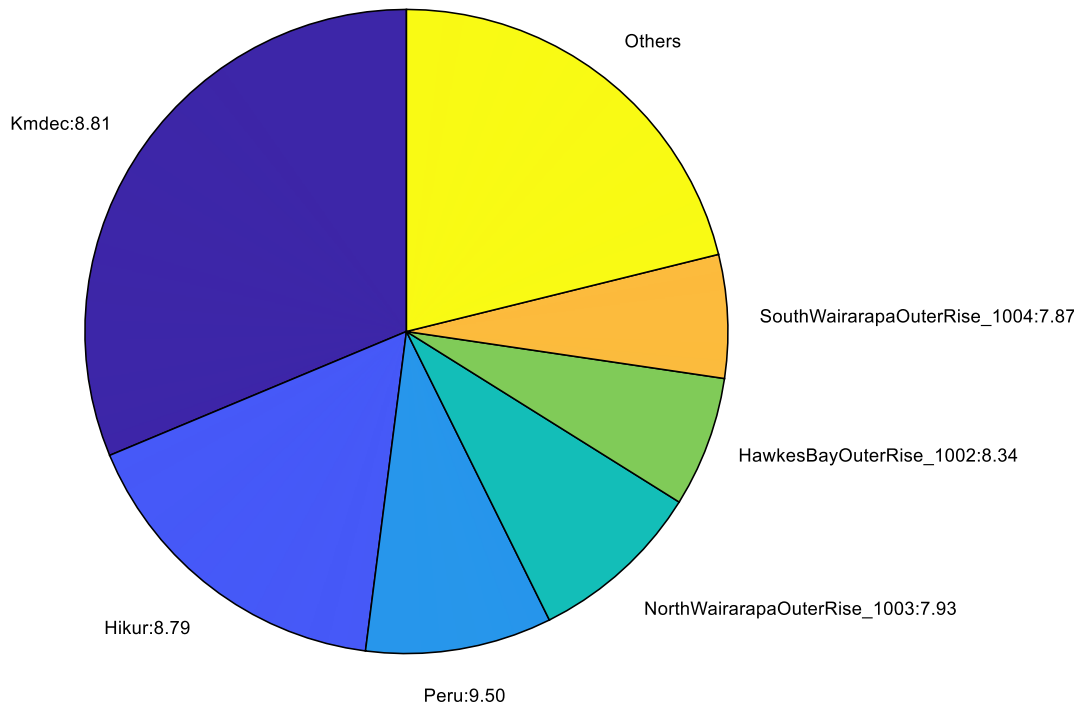
Deaggregation of Section:265, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:17.47 m



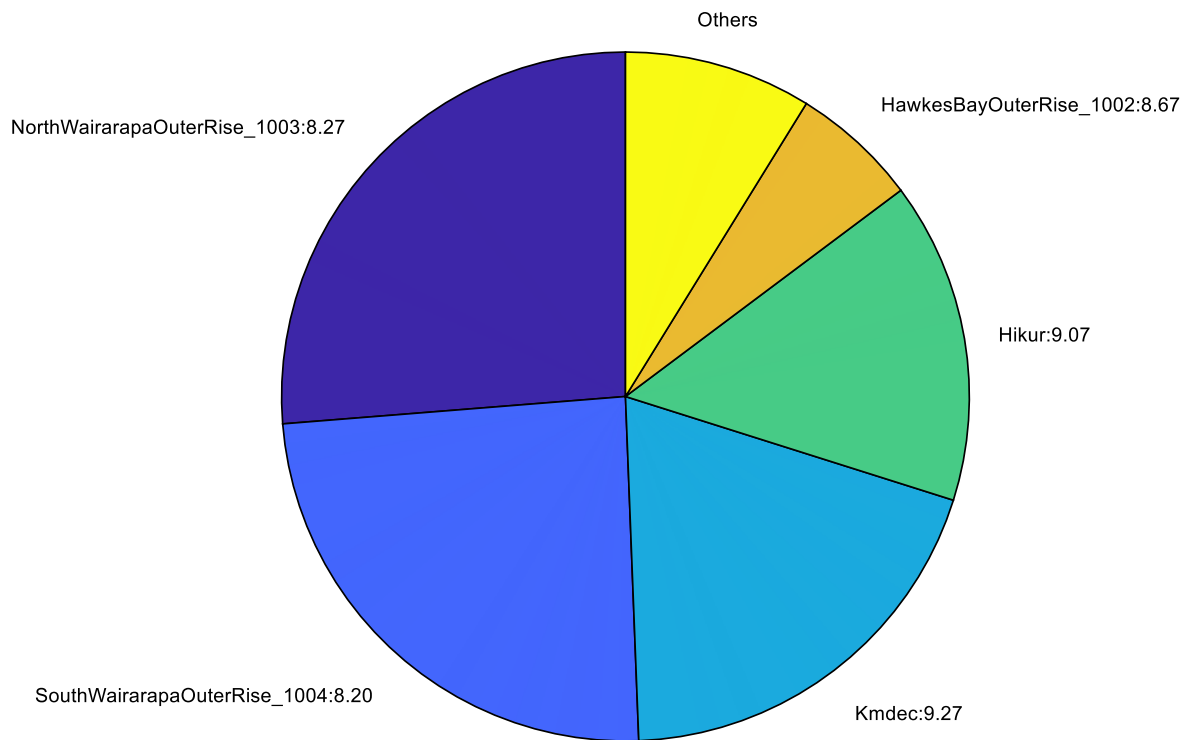
## A1.266 Coastal Section 266: Rangiauria Point



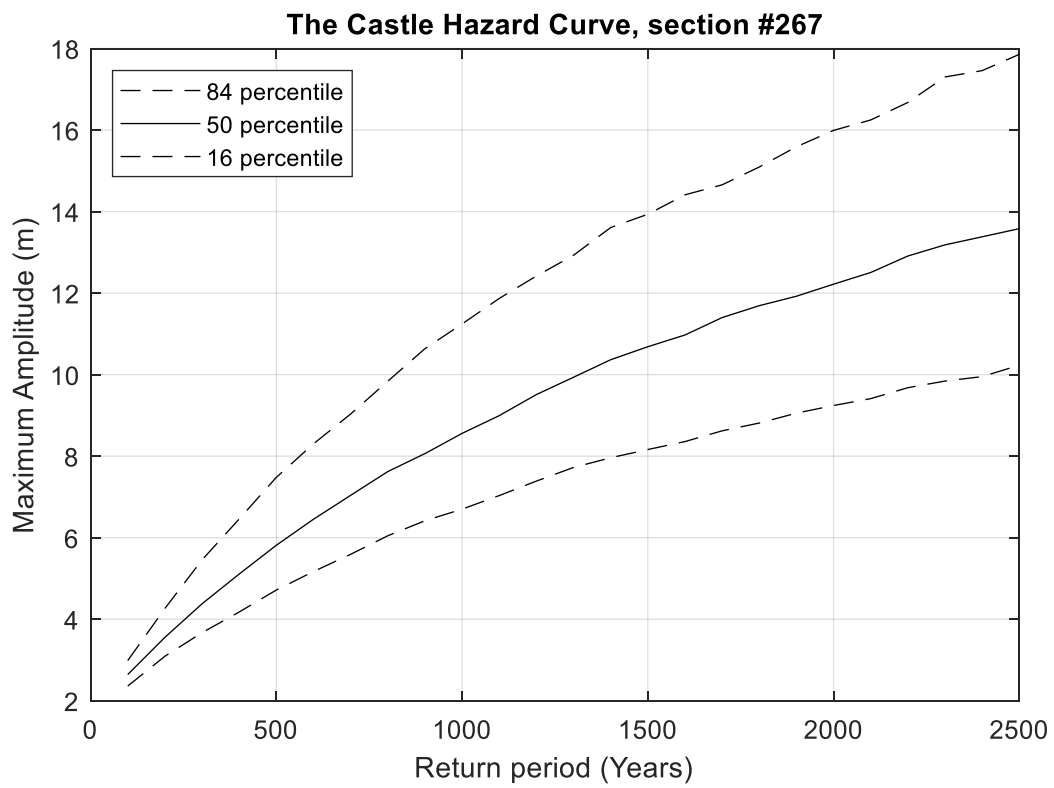
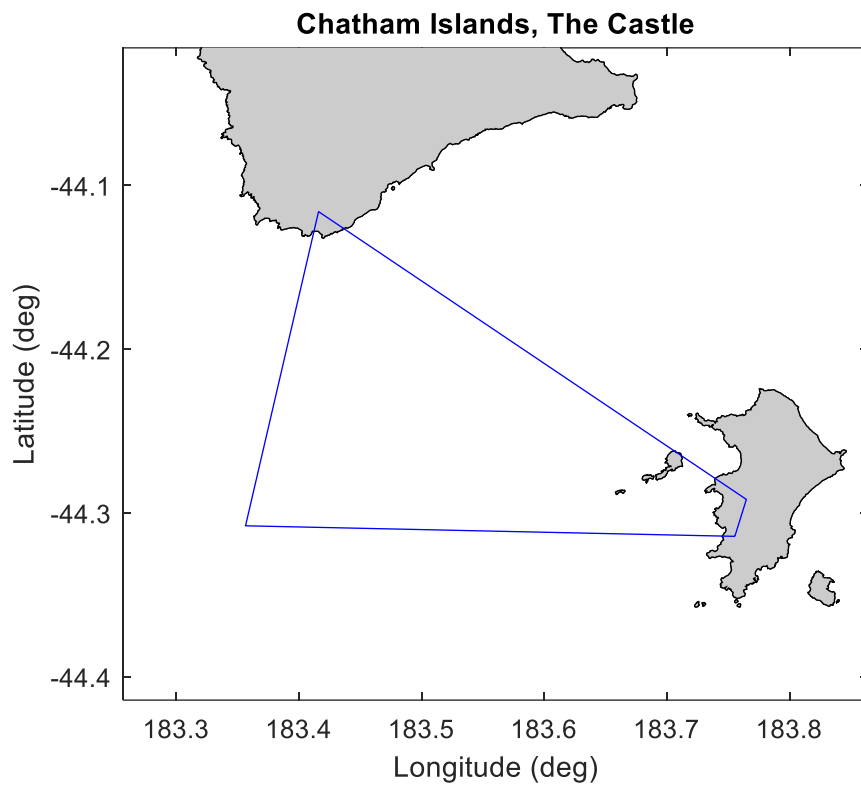
Deaggregation of Section:266, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.37 m



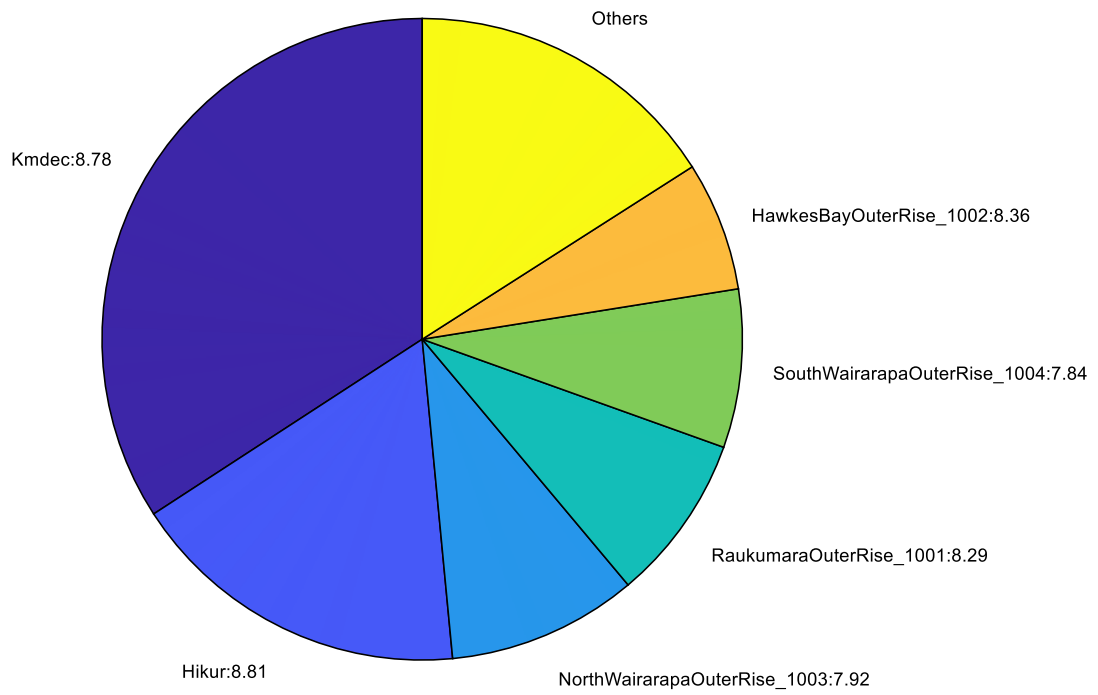
Deaggregation of Section:266, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:11.61 m



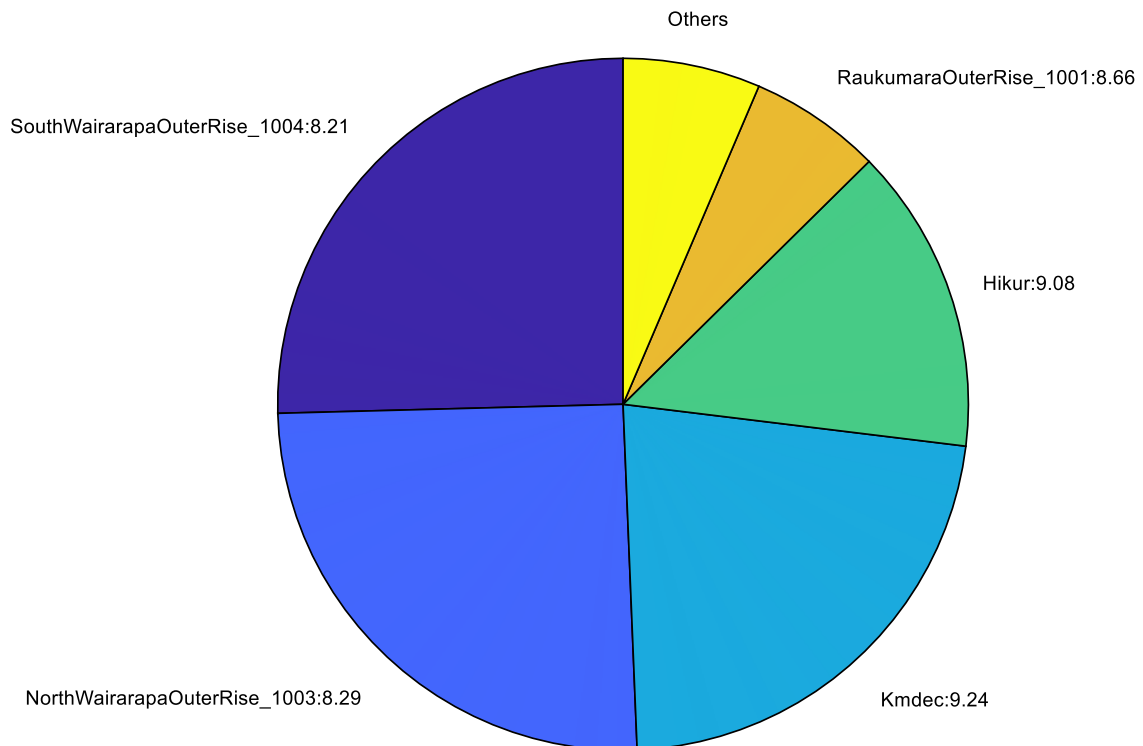
## A1.267 Coastal Section 267: The Castle



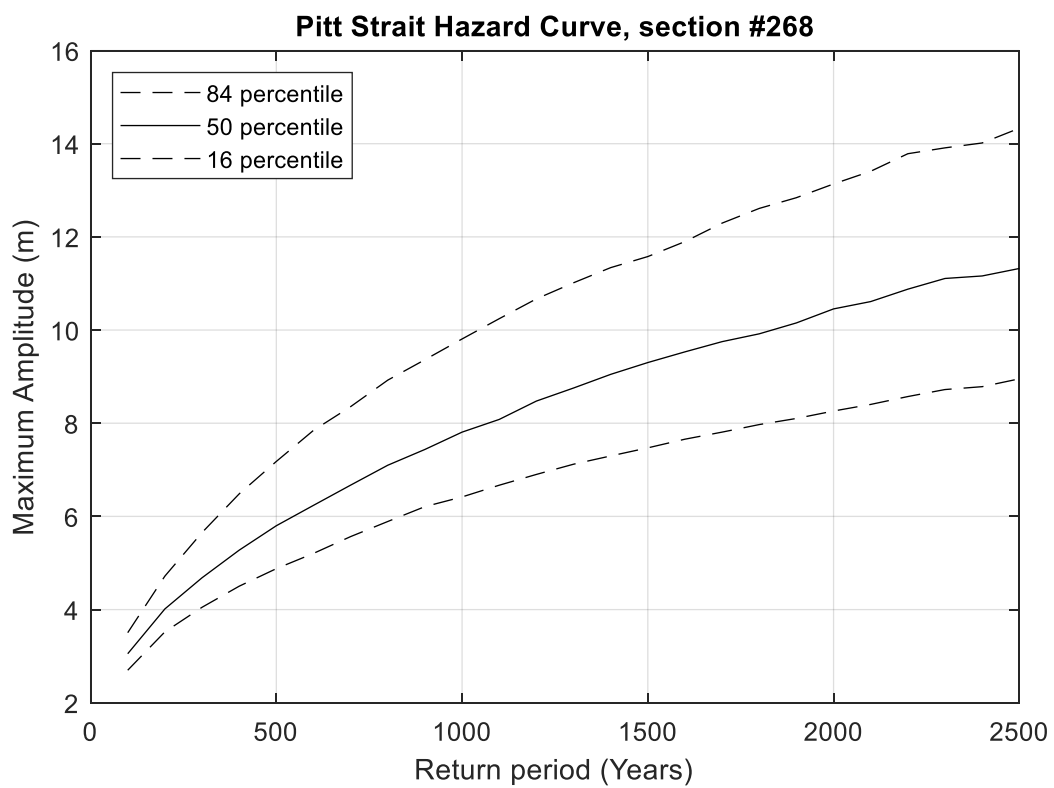
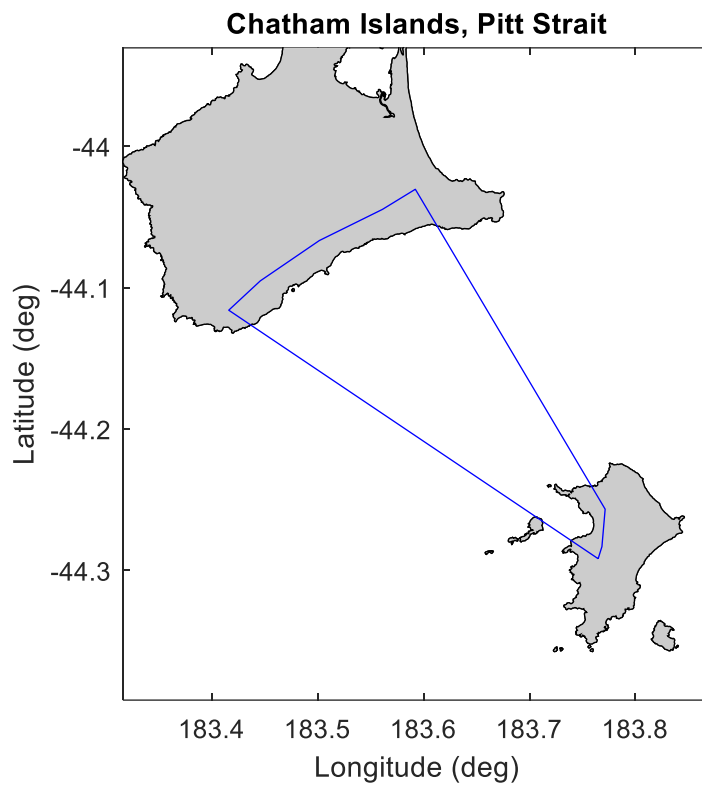
Deaggregation of Section:267, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.81 m



Deaggregation of Section:267, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:13.58 m

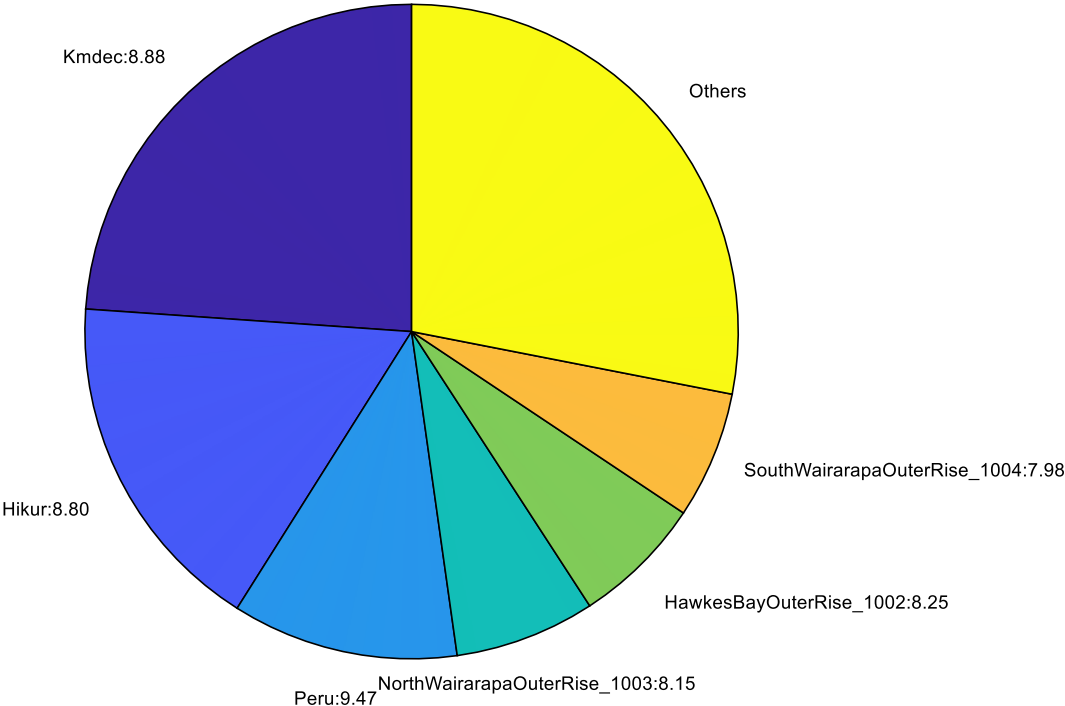


## A1.268 Coastal Section 268: Pitt Strait

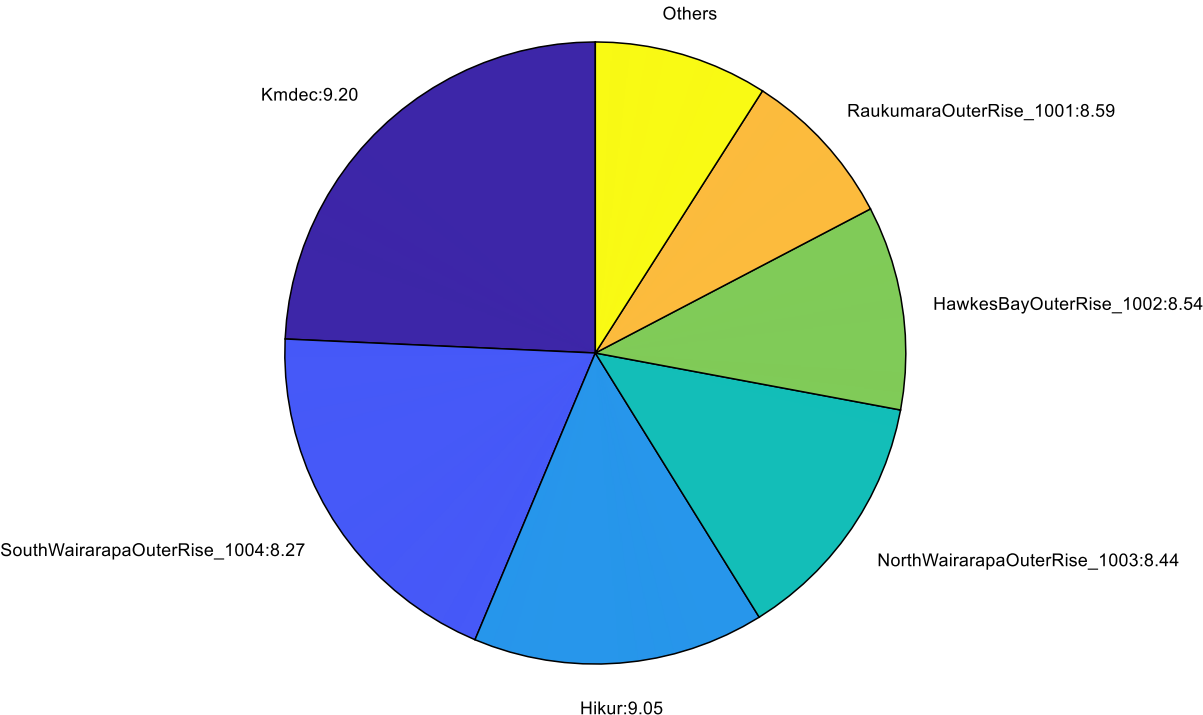




Deaggregation of Section:268, Return Period:500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:5.79 m



Deaggregation of Section:268, Return Period:2500 years, Tsunami Height (Maximum Amplitude) at:50th percentile:11.32 m





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