Appendix C: Fish and Coral Data Plots

Figures C.1-31. Bar graphs depicting the distribution of percent coral cover (C.1-8), coral richness (C.9-15), fish biomass (C.16-23), and fish richness (C.24-31) for each of the studies. Dashed red lines indicate the identified natural breaks in the data that were used to classify survey site values as high, medium, and low for each variable.

Figure C.1 - ASEPA

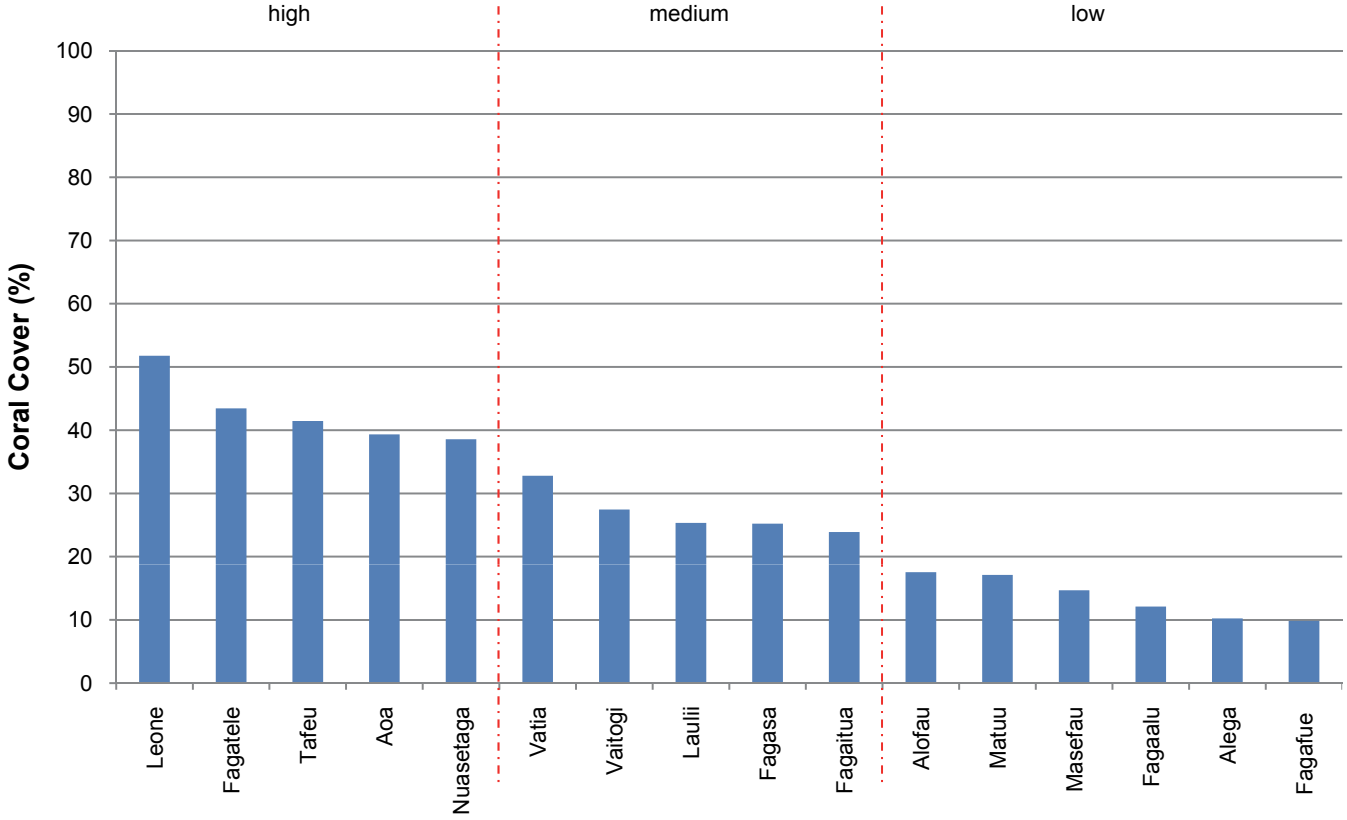


Figure C.2 - CRSR

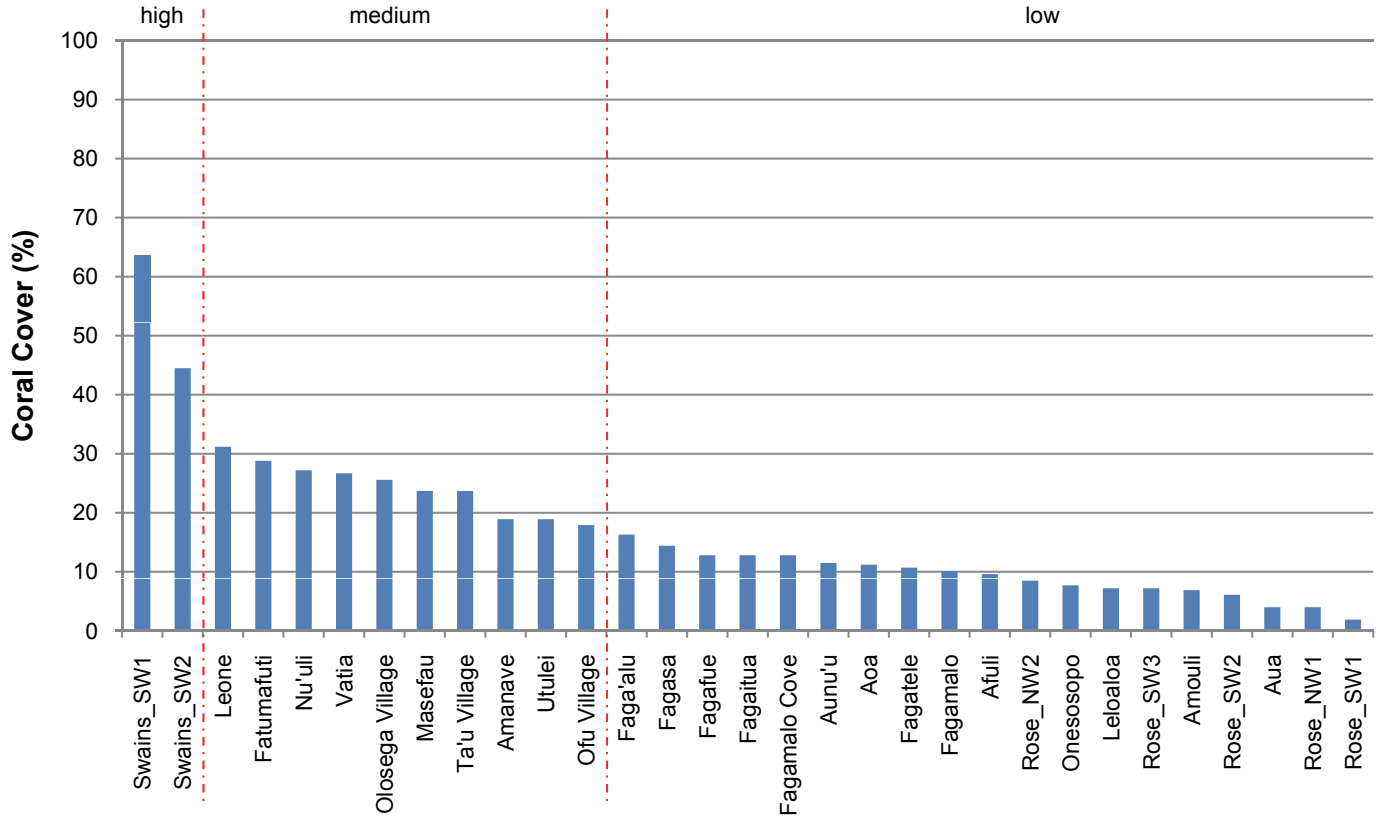


Figure C.3 - GCRMN

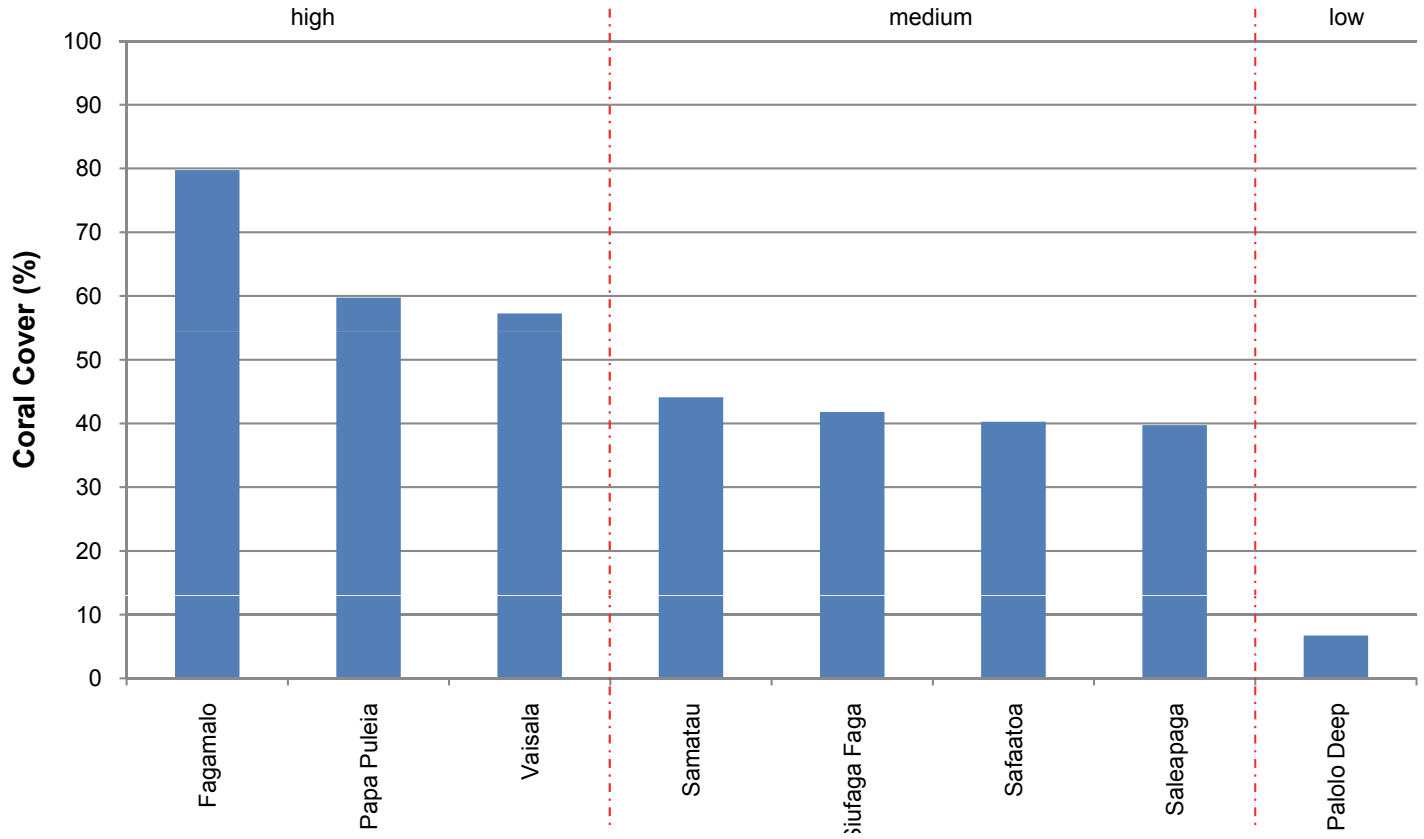


Figure C.4 - KRS

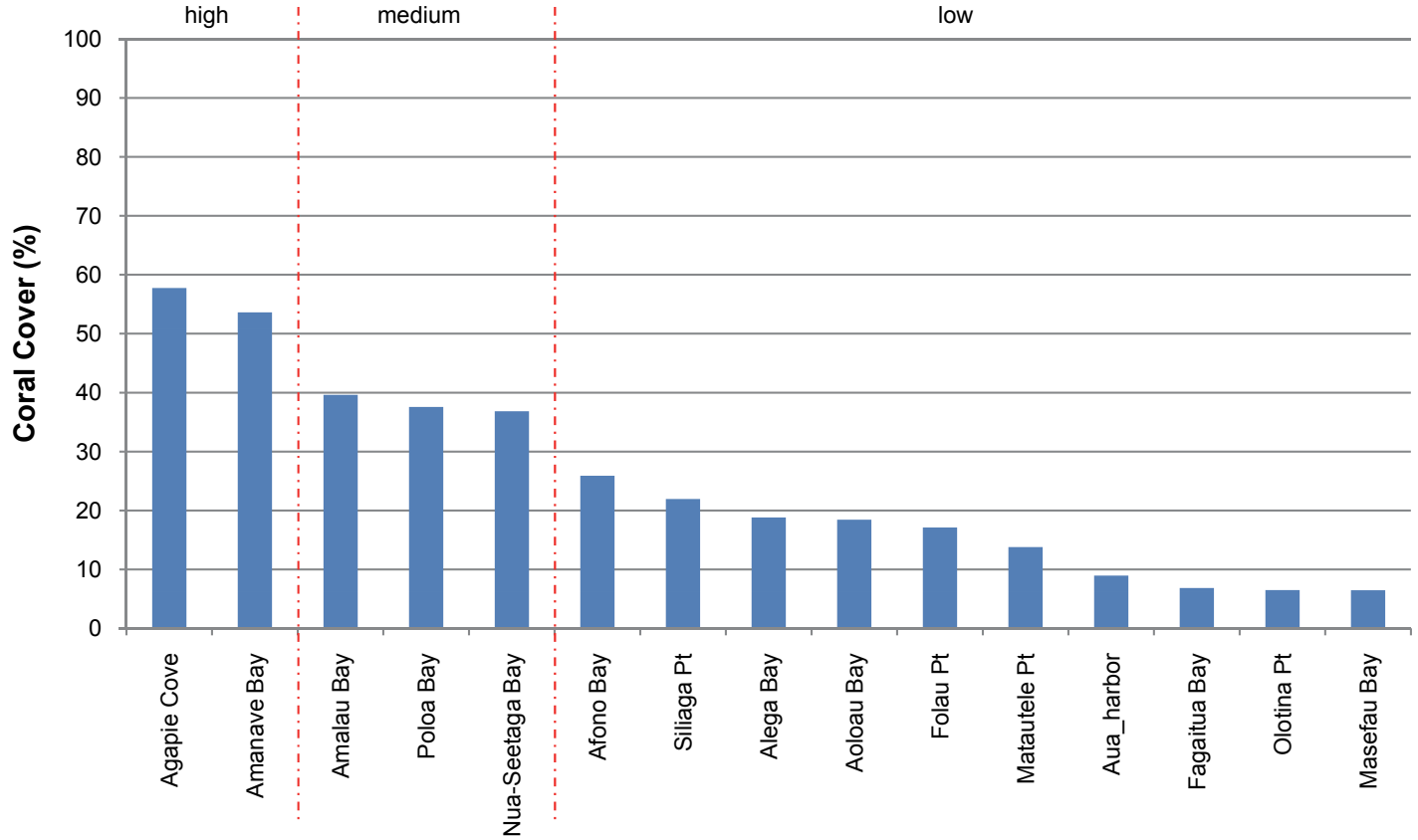


Figure C.5 - MPABR

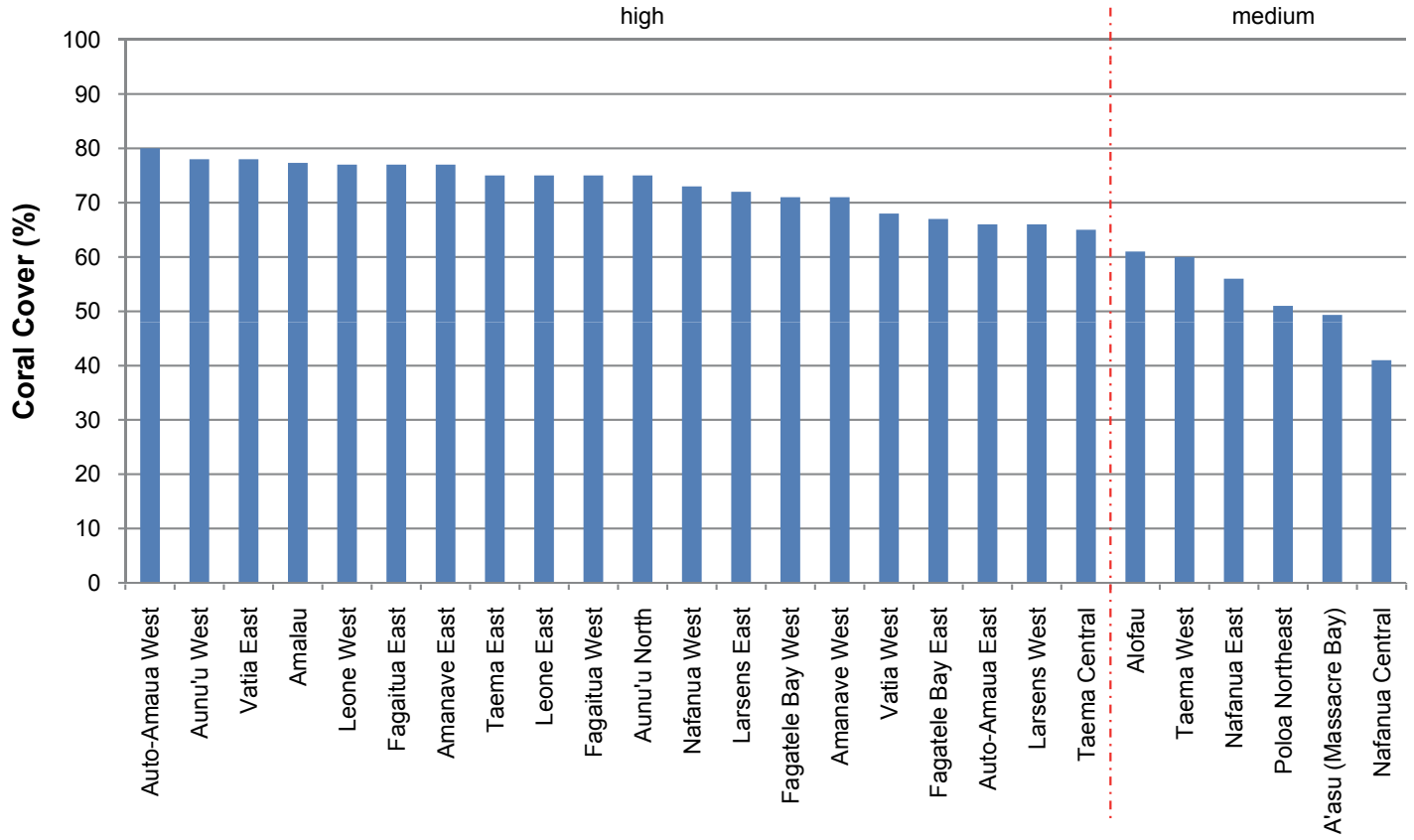
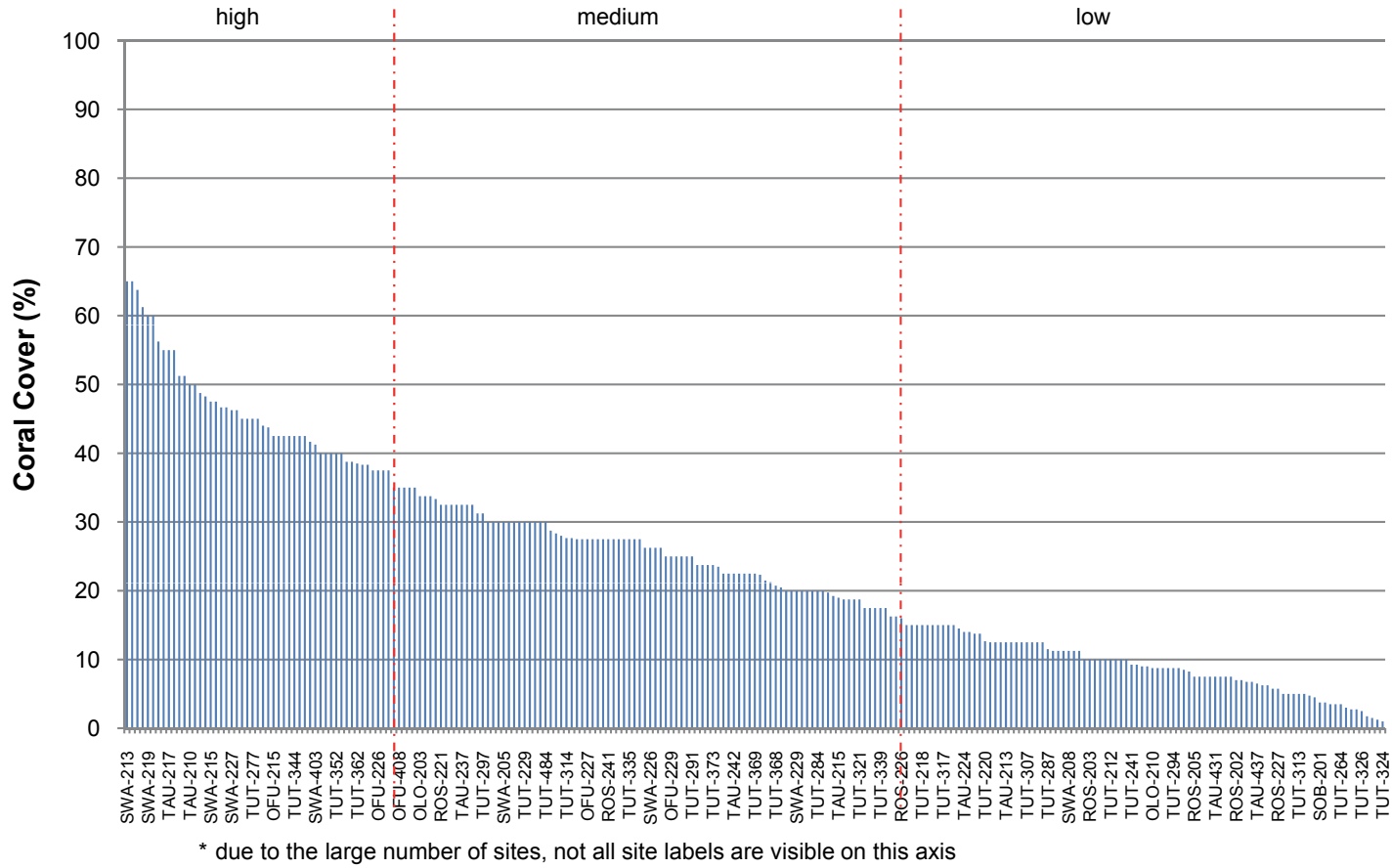


Figure C.6 - REA



* due to the large number of sites, not all site labels are visible on this axis

Figure C.7 - SFR

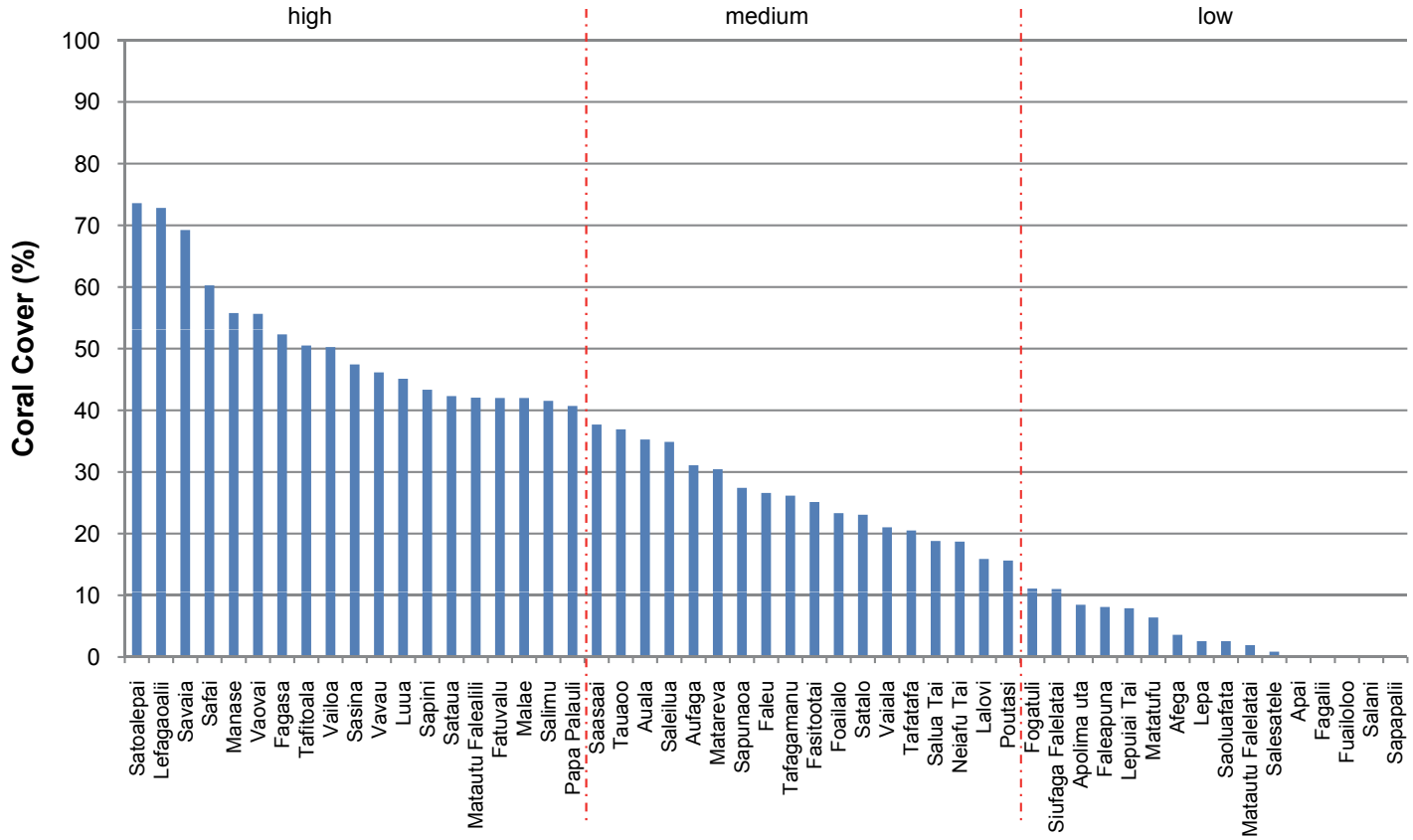


Figure C.8 - TCRMP

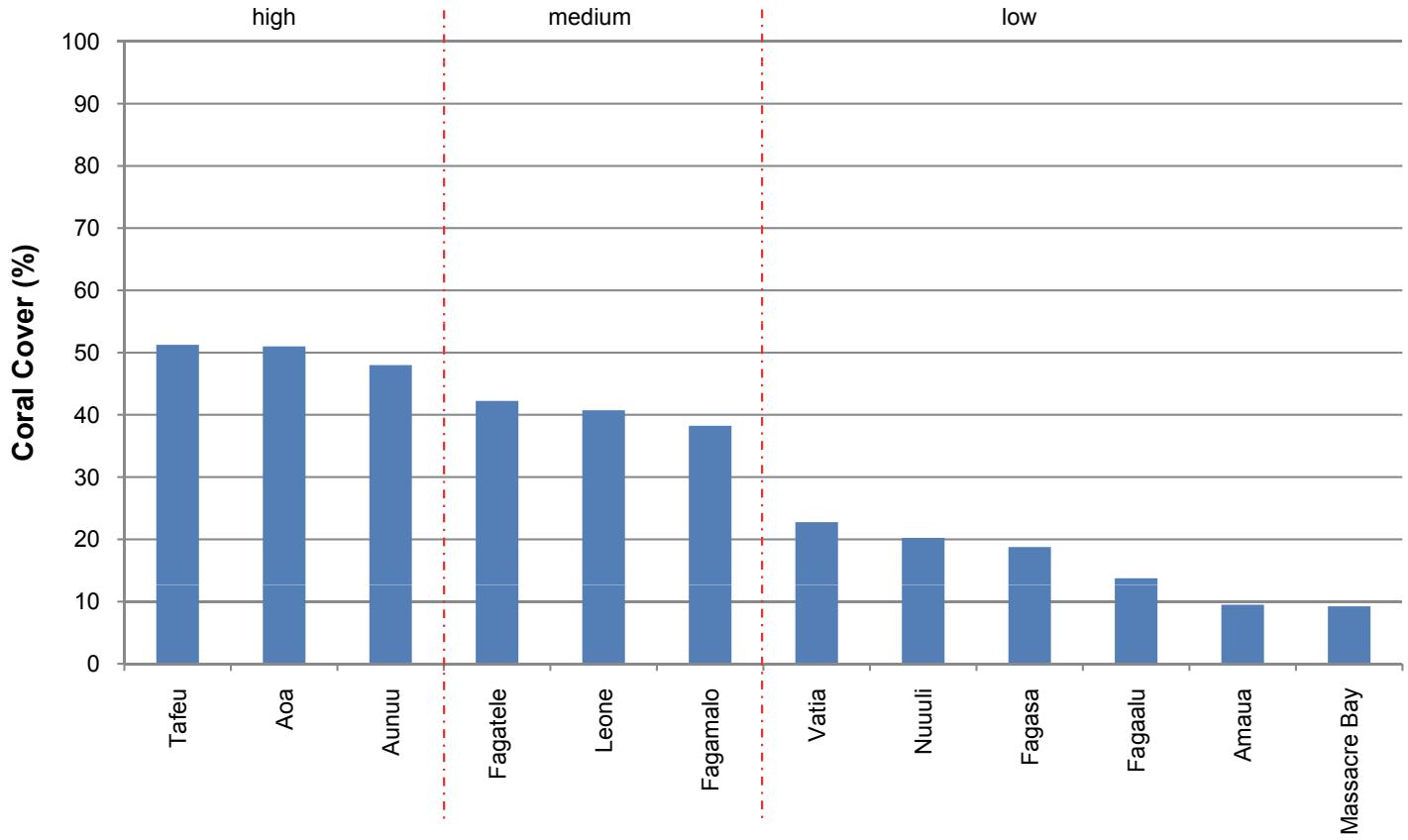


Figure C.9 - ASEPA

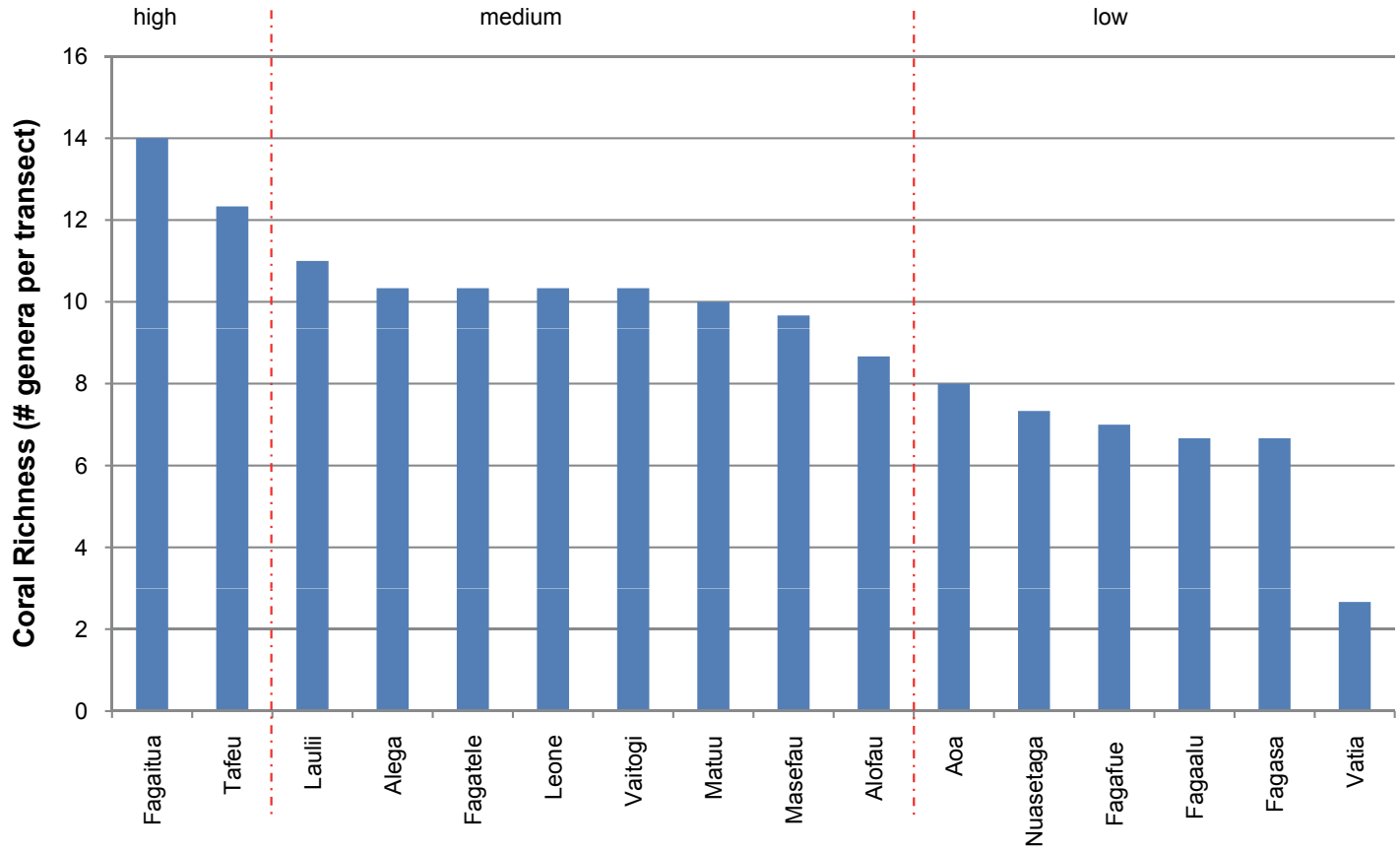


Figure C.10 - CRSR

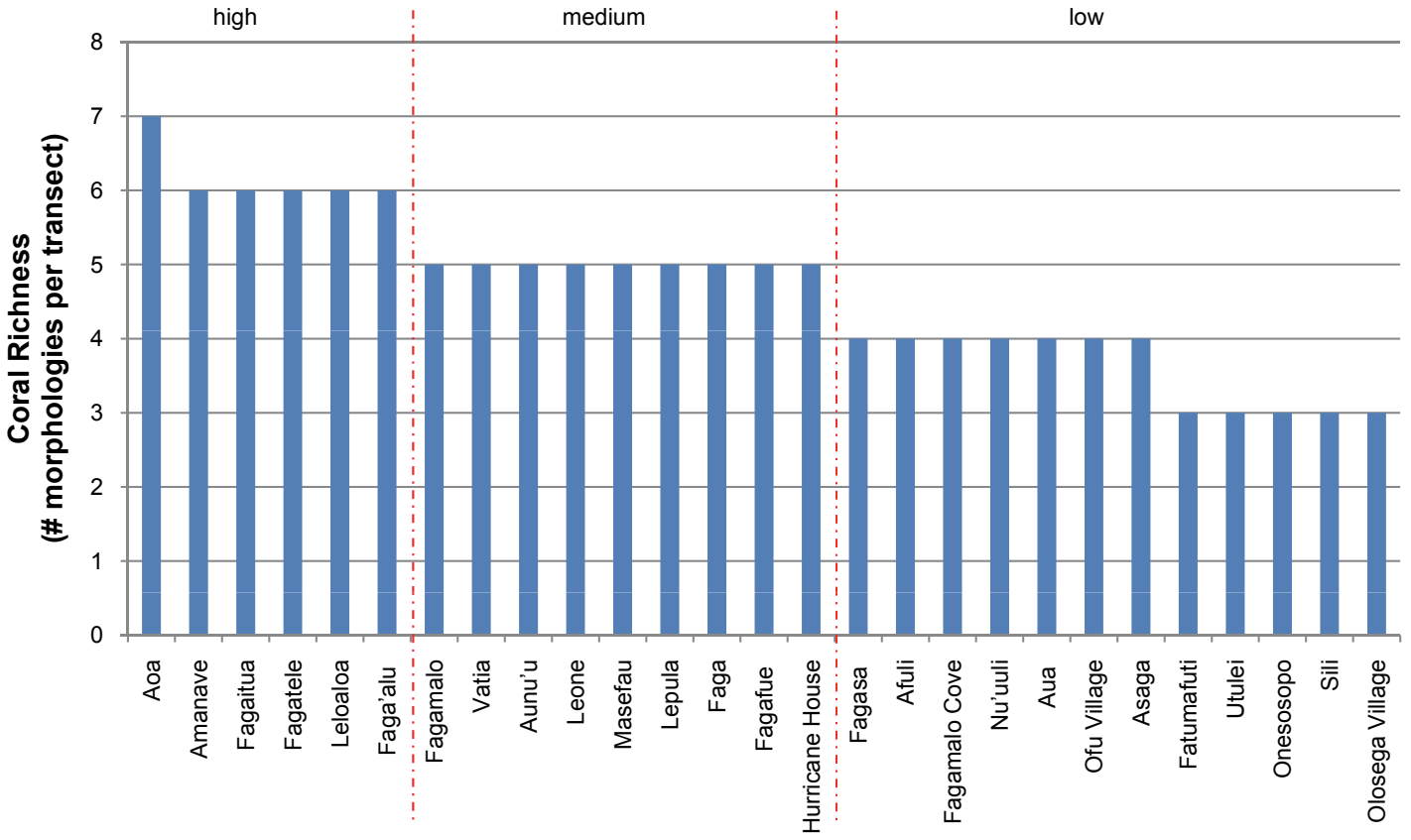


Figure C.11 - GCRMN

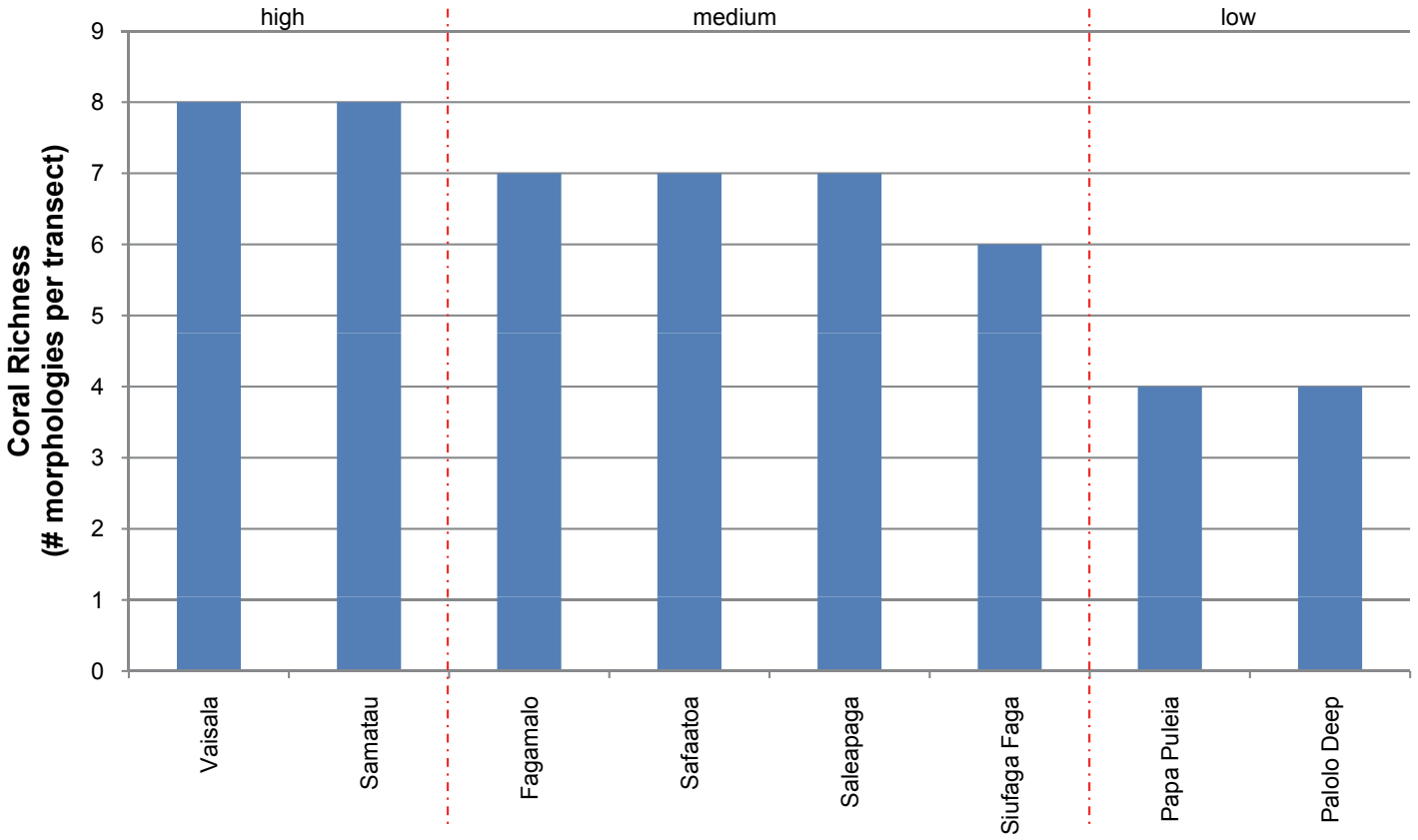


Figure C.12 - MPABR

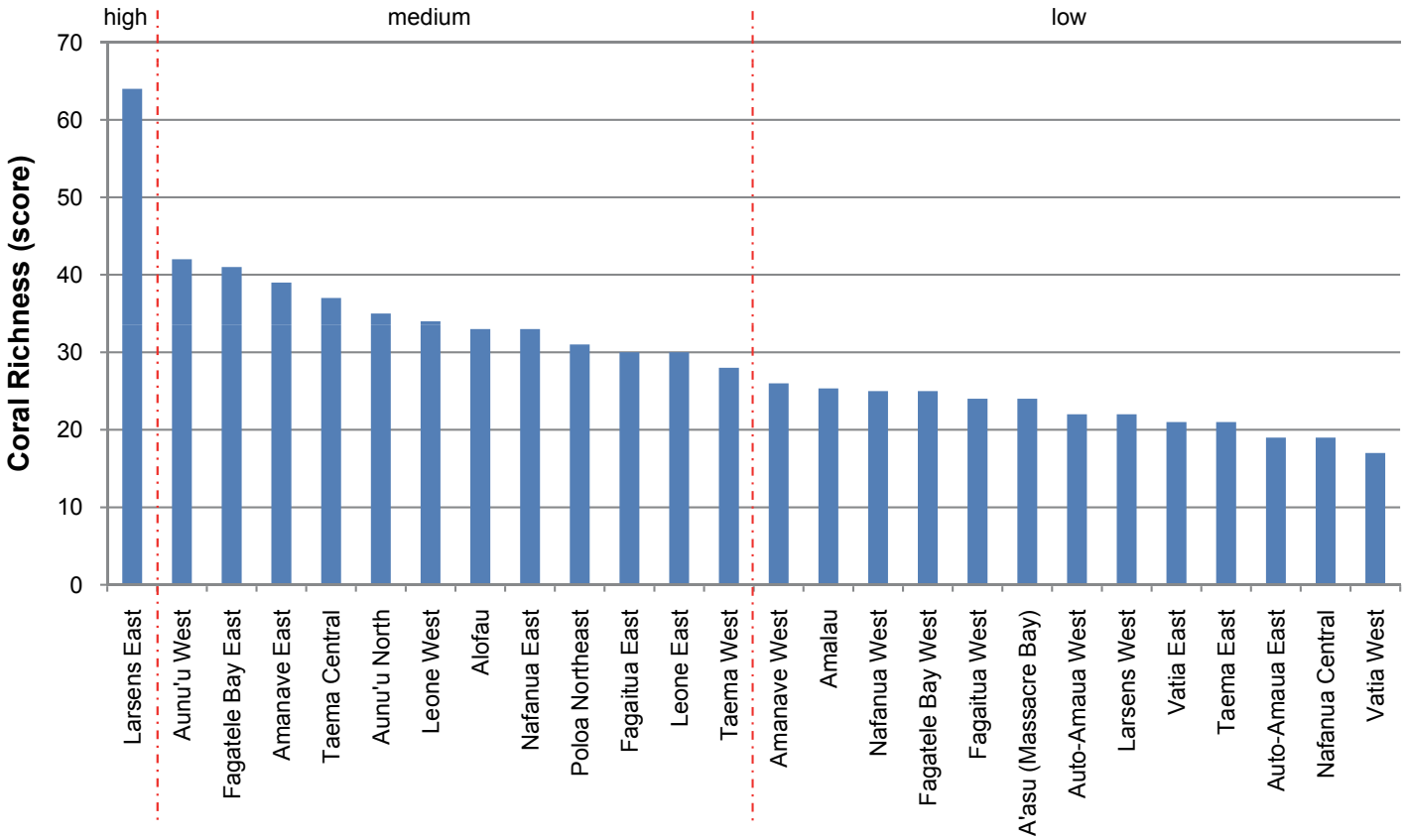


Figure C.13 - REA

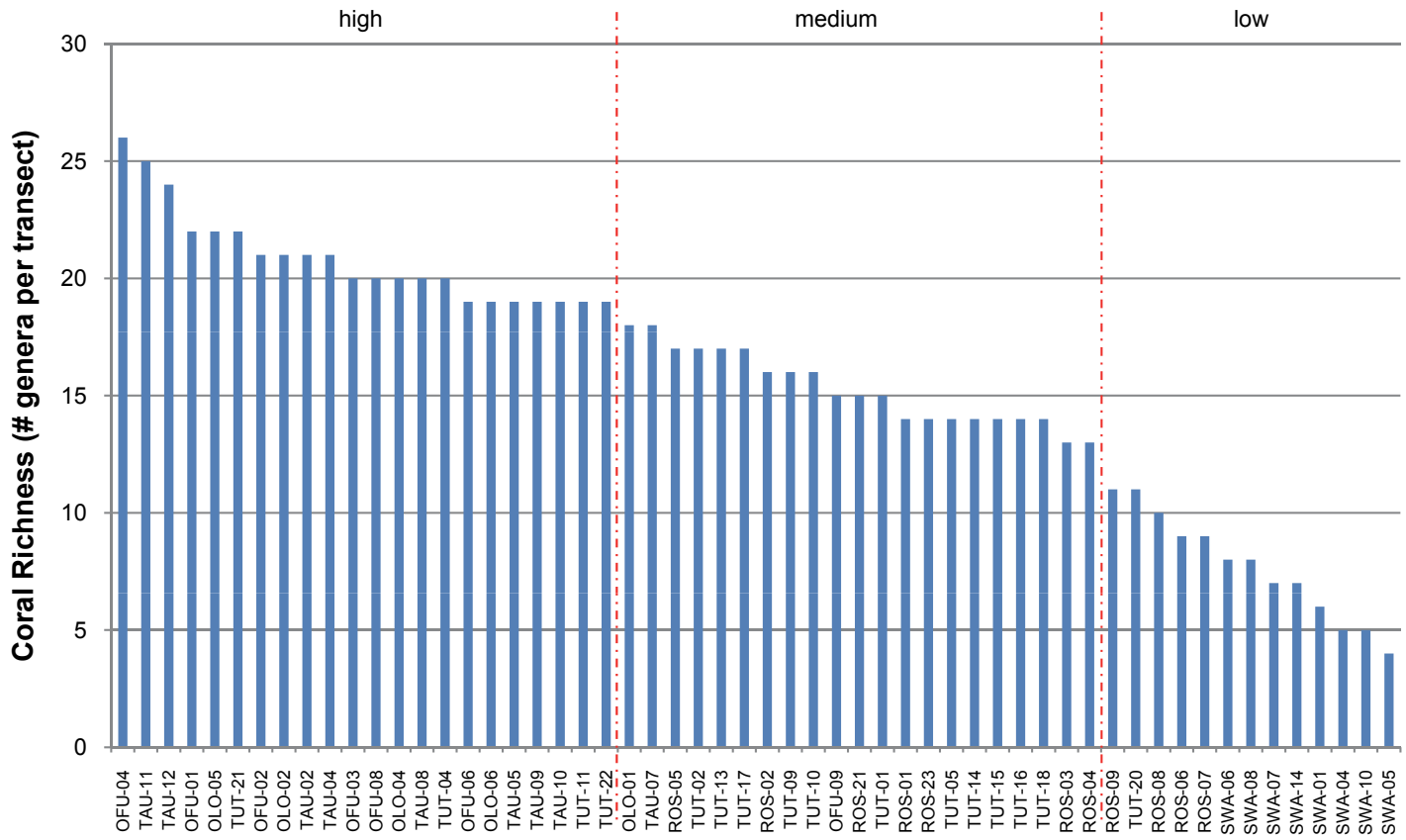


Figure C.14 - SFR

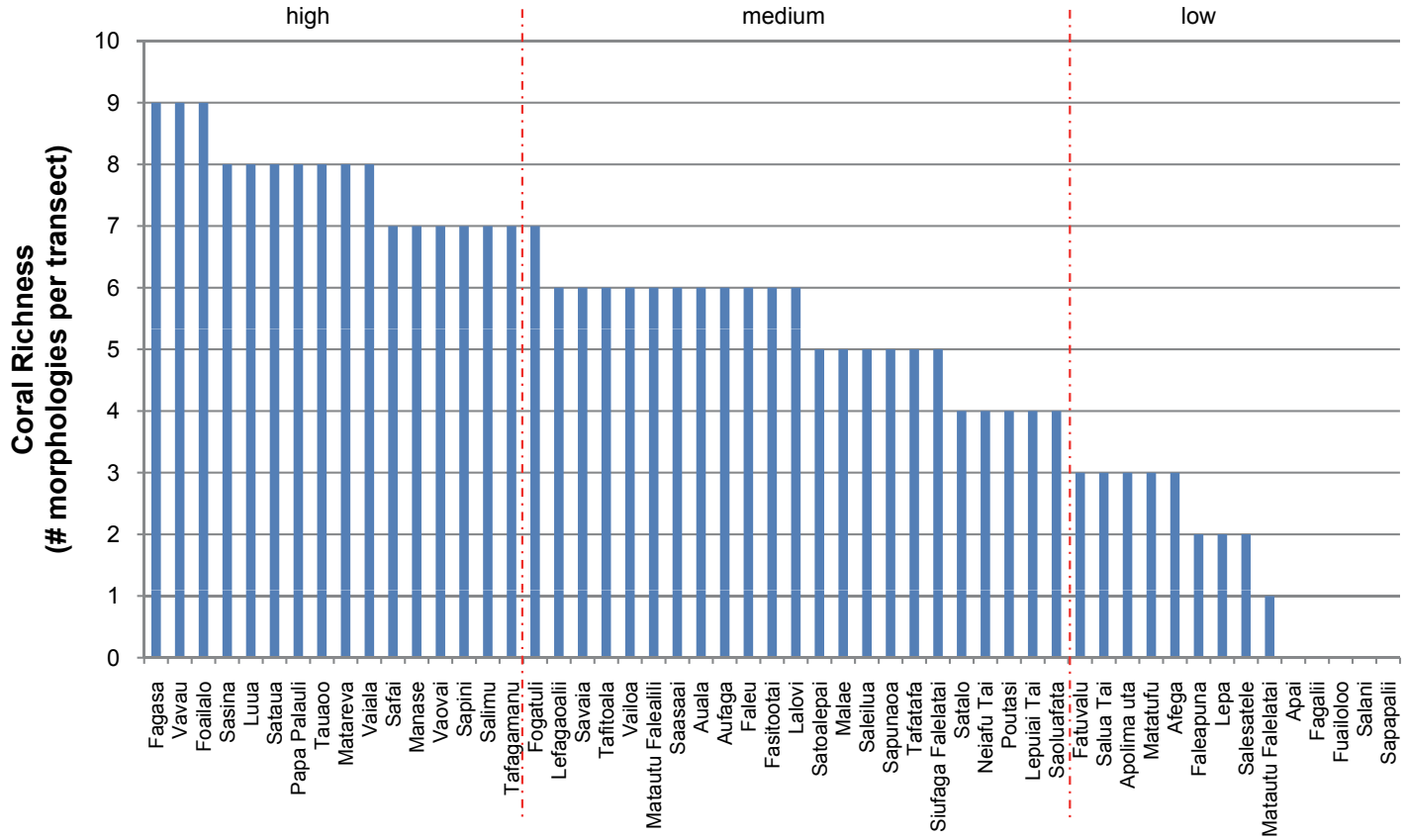


Figure C.15 - TCRMP

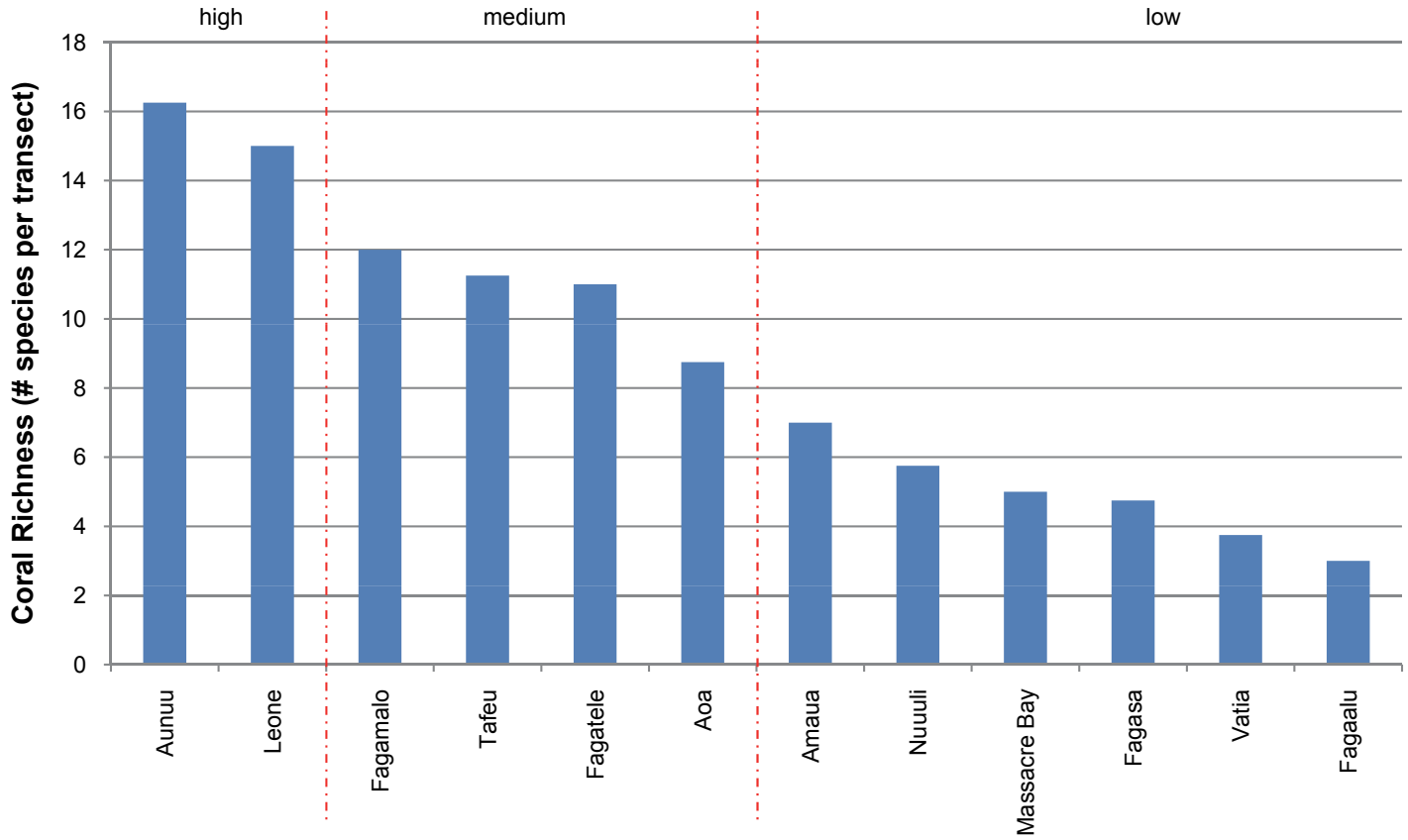


Figure C.16 - ASEPA

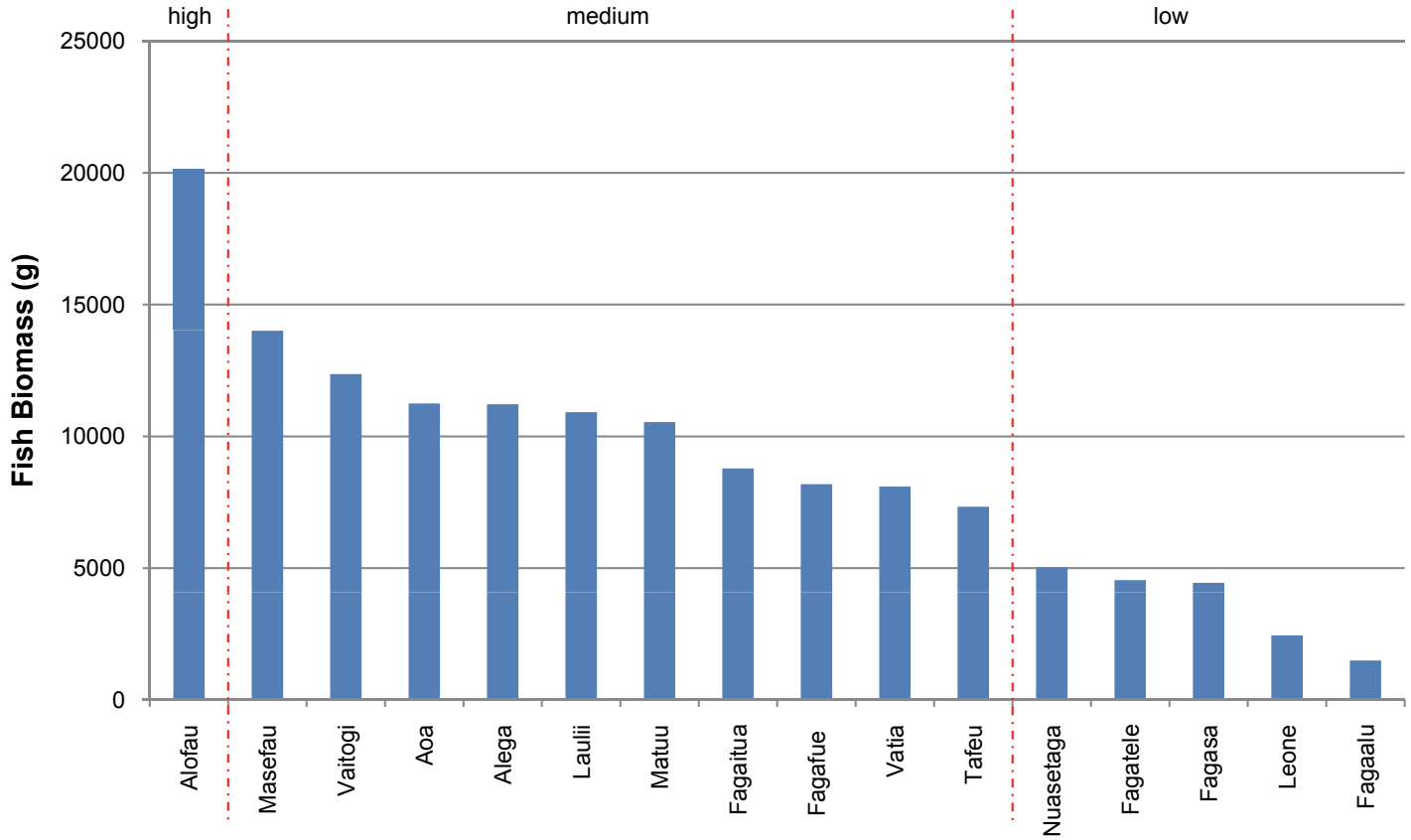


Figure C.17 - CRSR

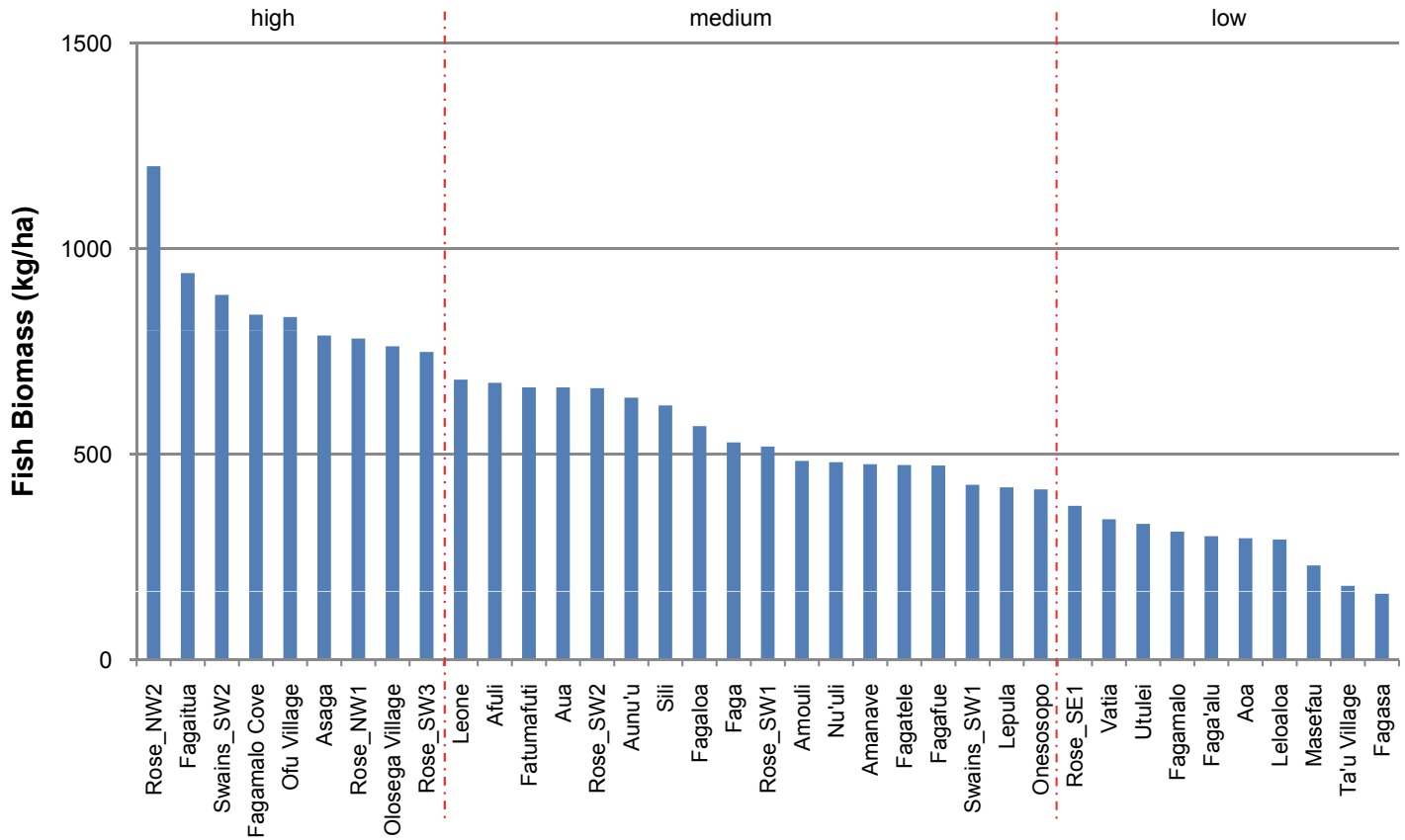


Figure C.18 - GCRMN

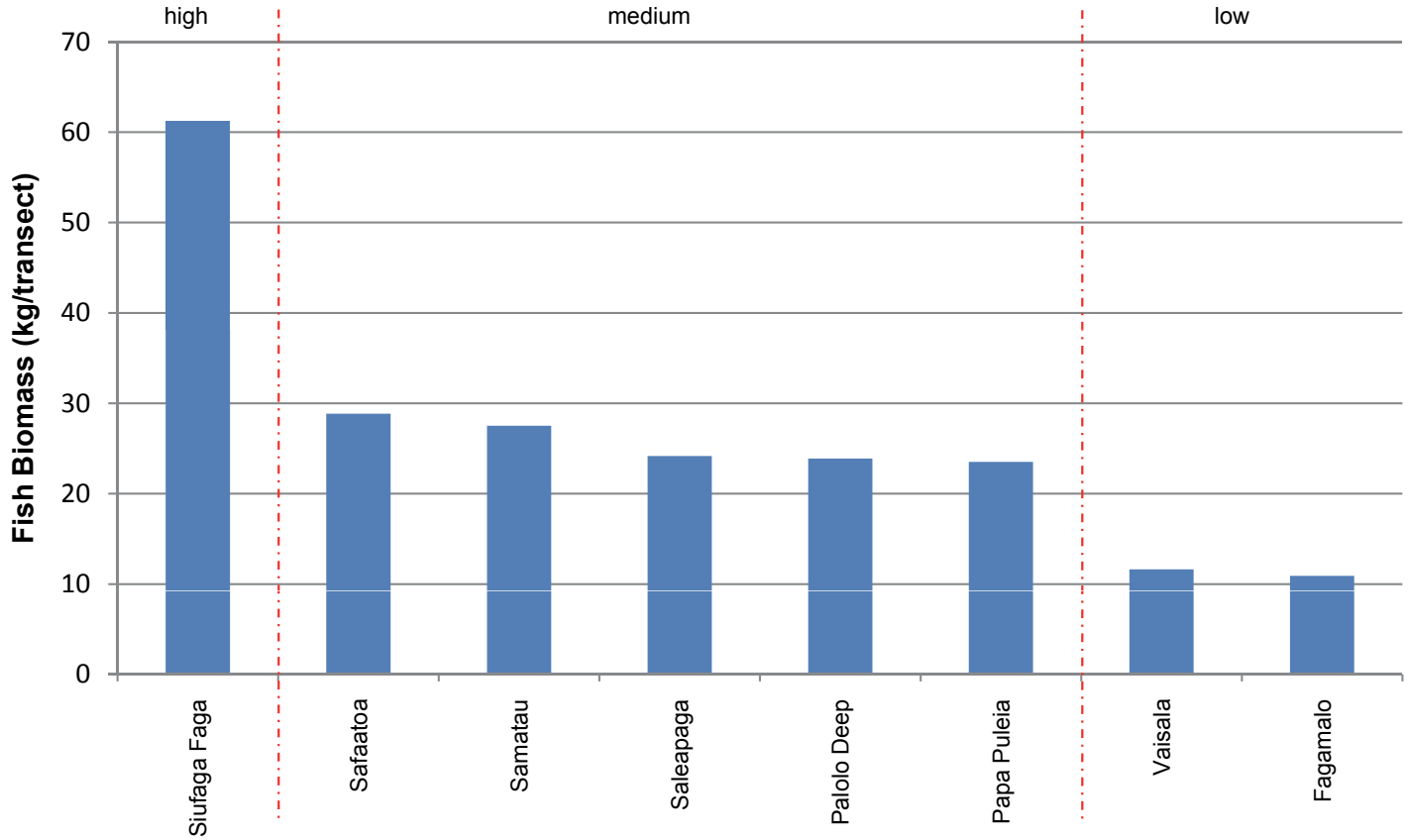


Figure C.19 - KRS

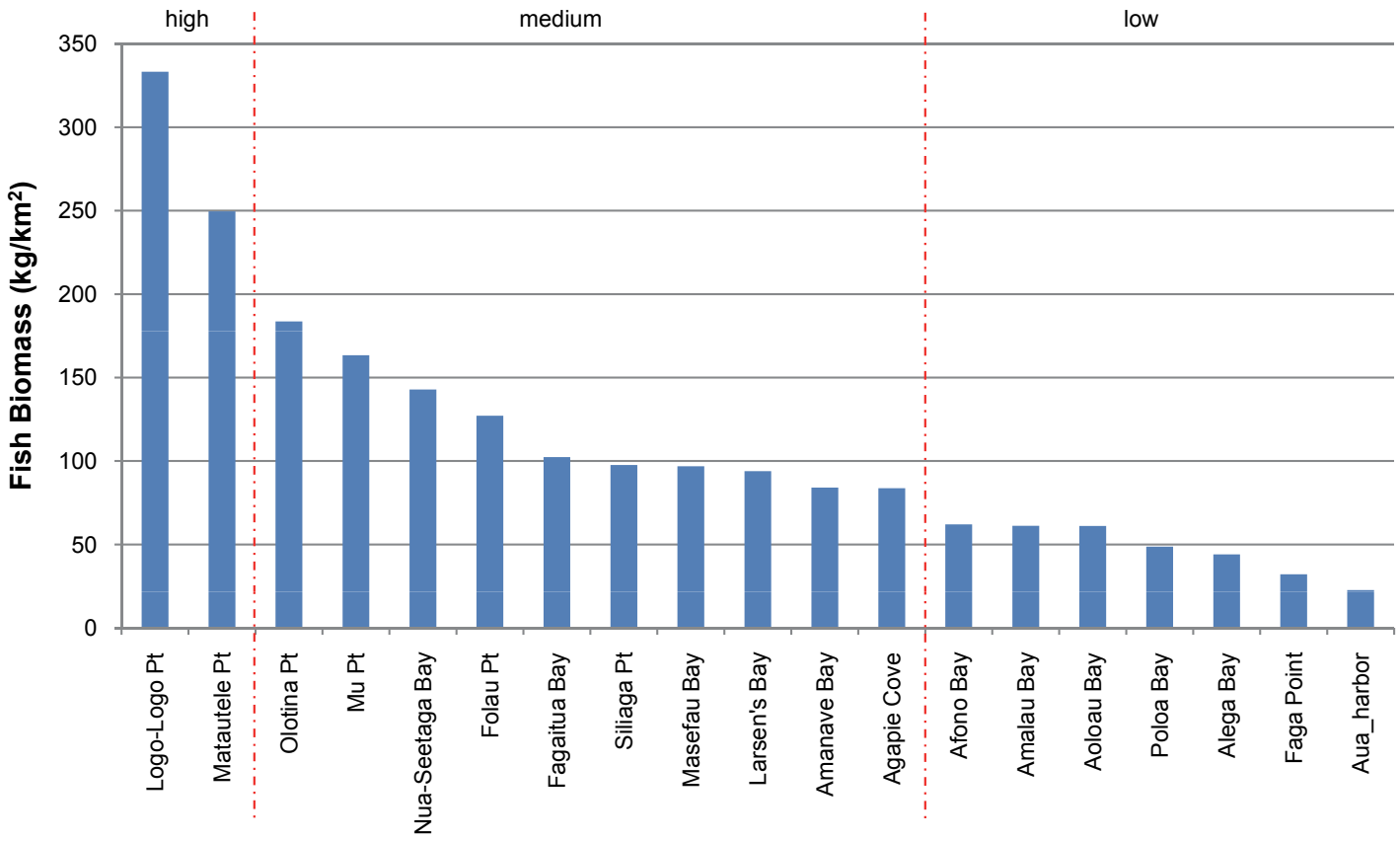


Figure C.20 - MPABR

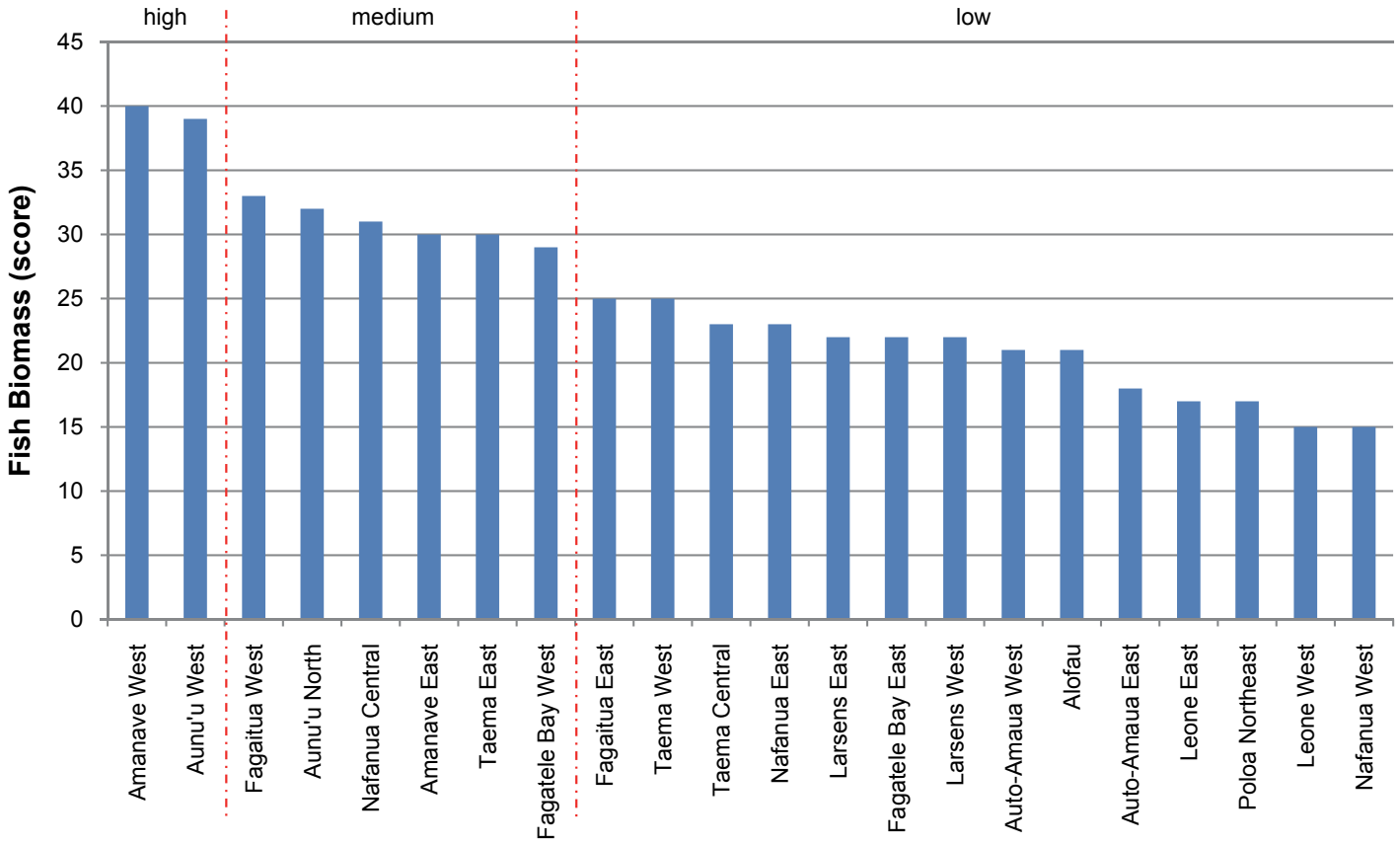
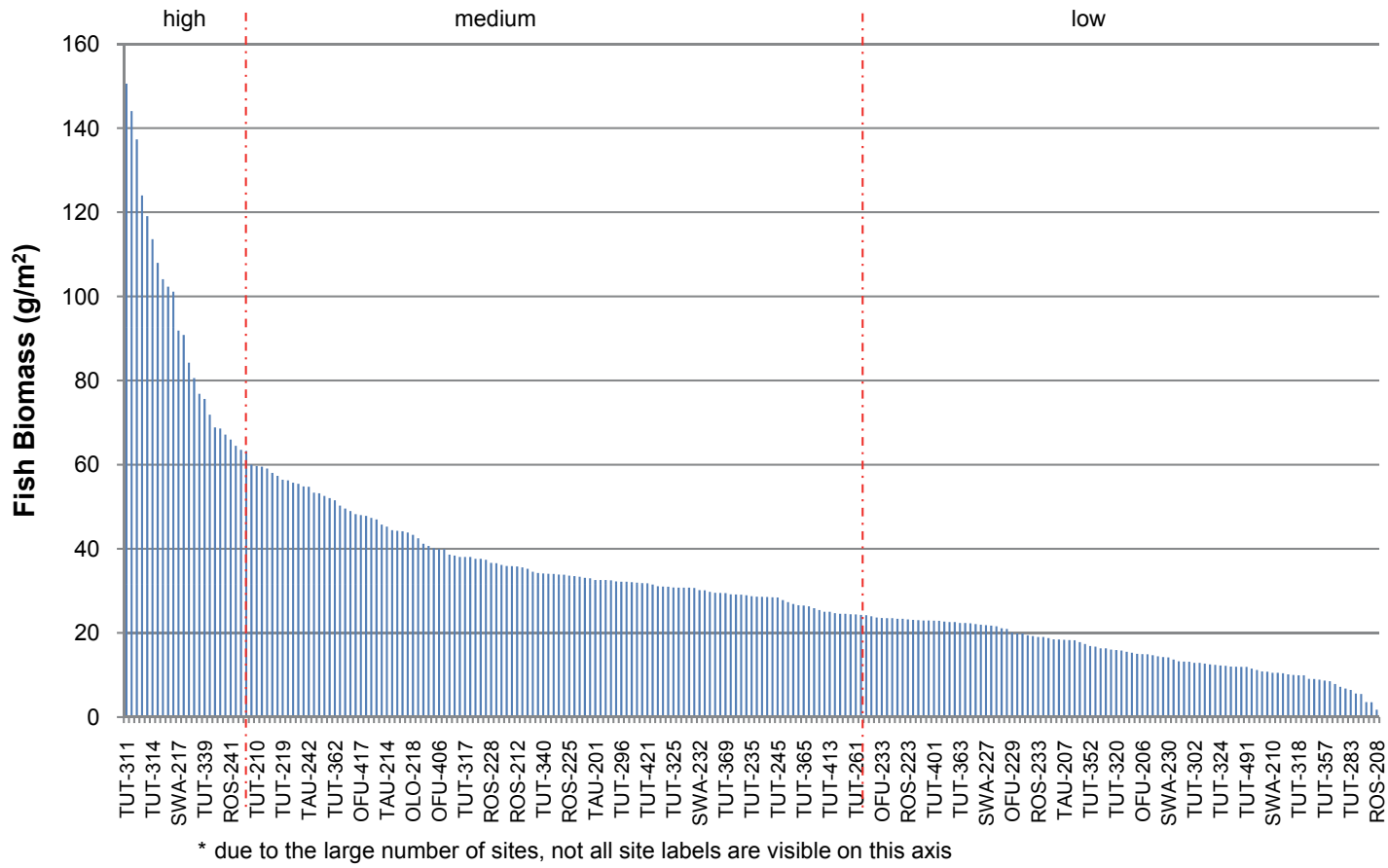


Figure C.21 - REA



* due to the large number of sites, not all site labels are visible on this axis

Figure C.22 - SFR

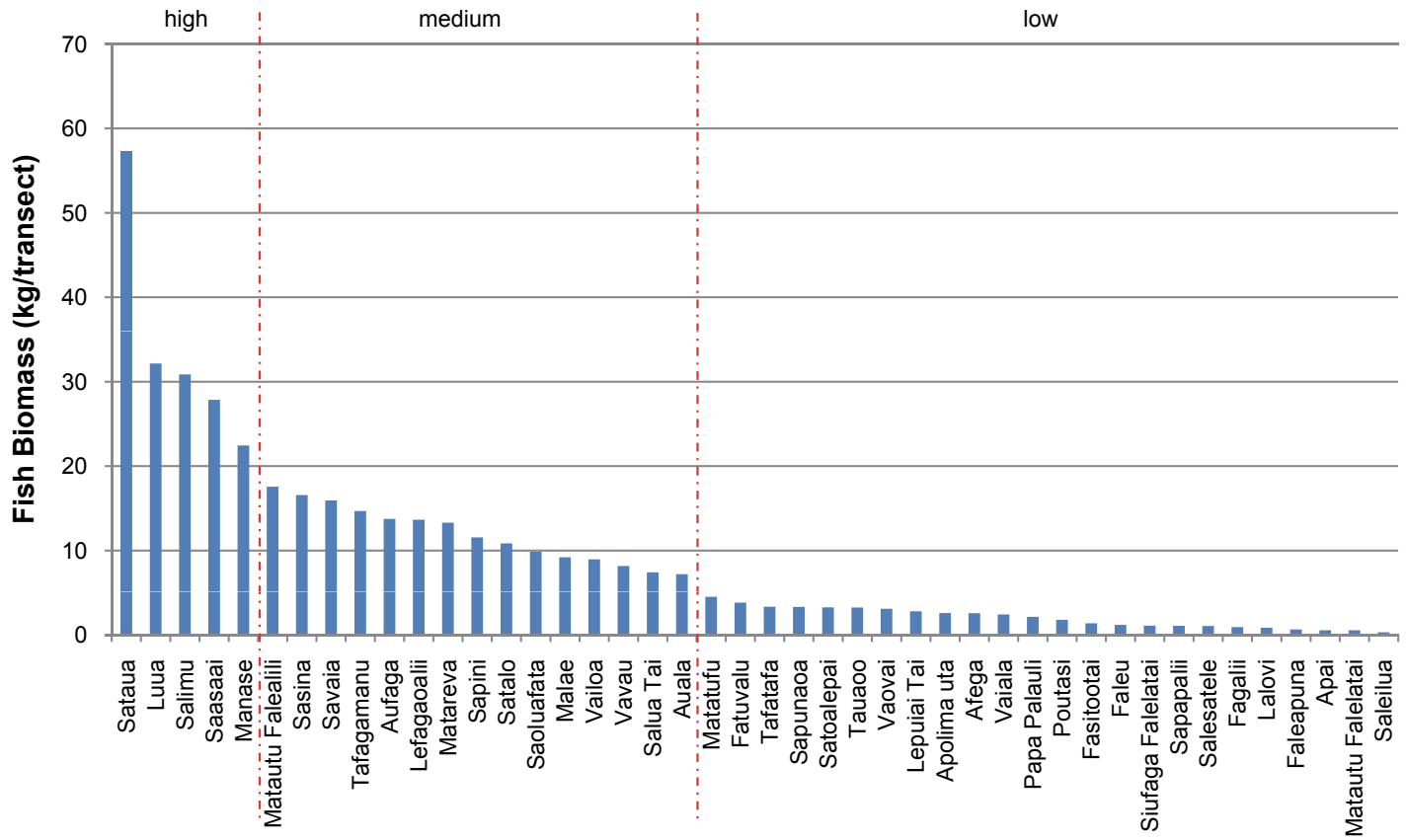


Figure C.23 - TCRMP

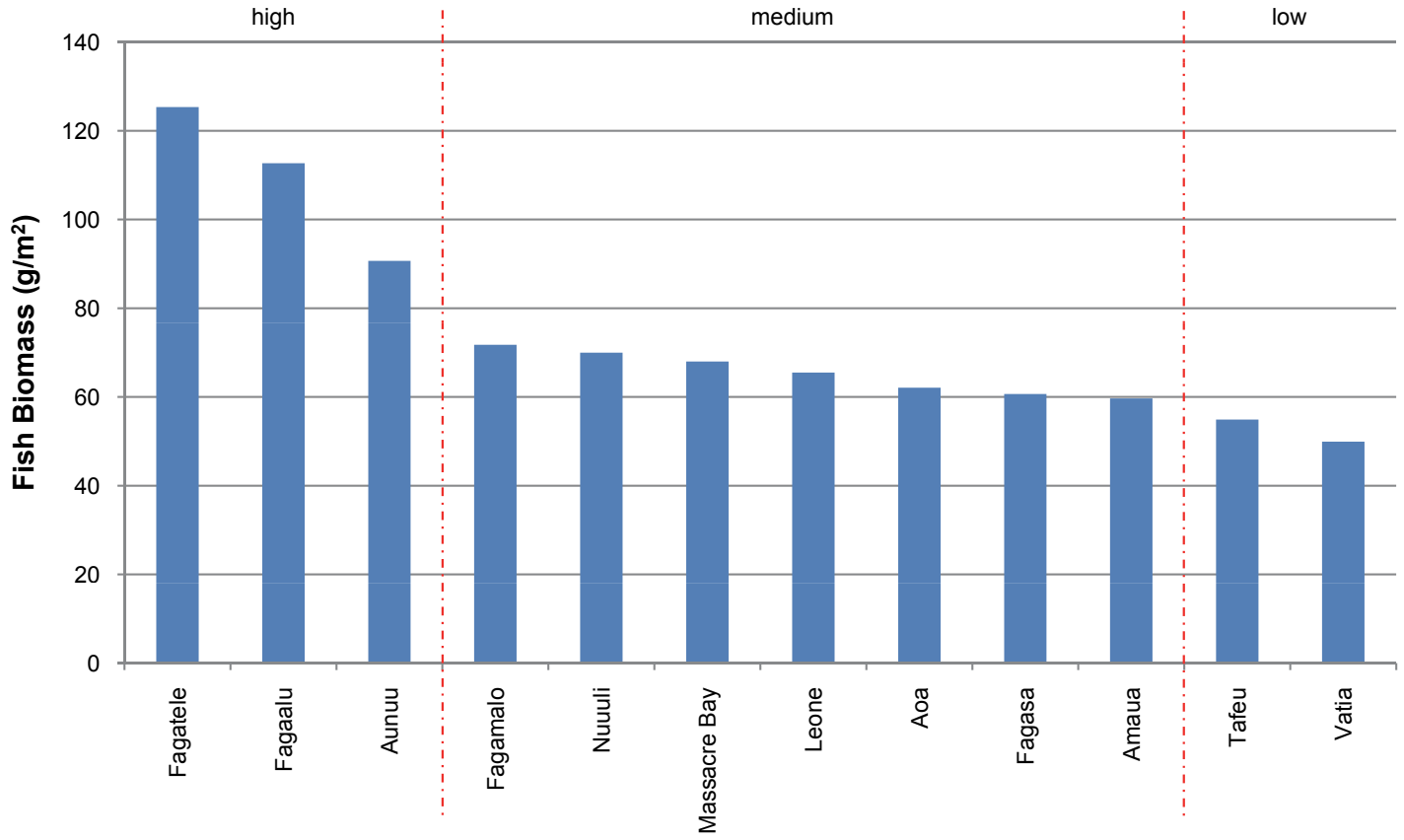


Figure C.24 - ASEPA

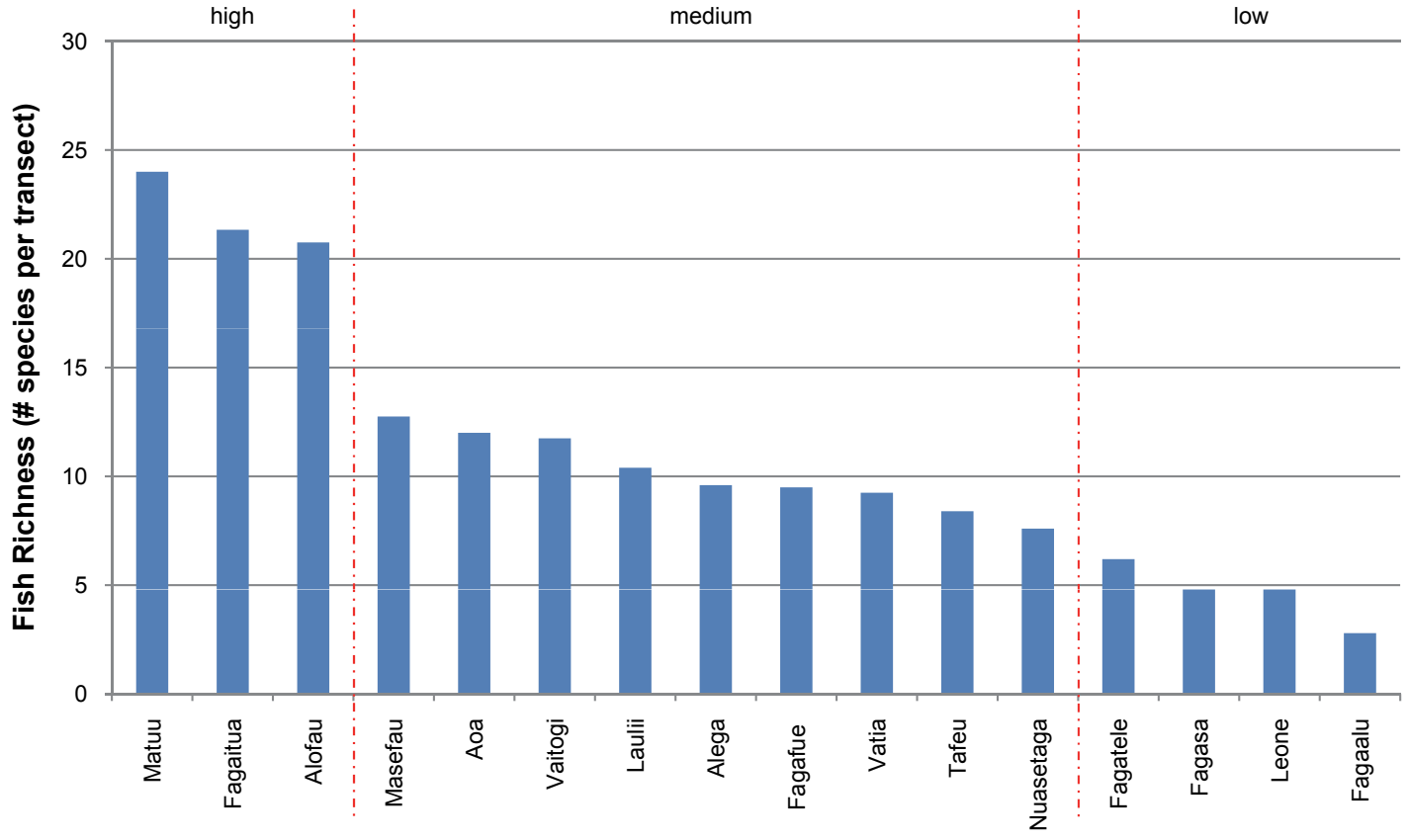


Figure C.25 - CRSR

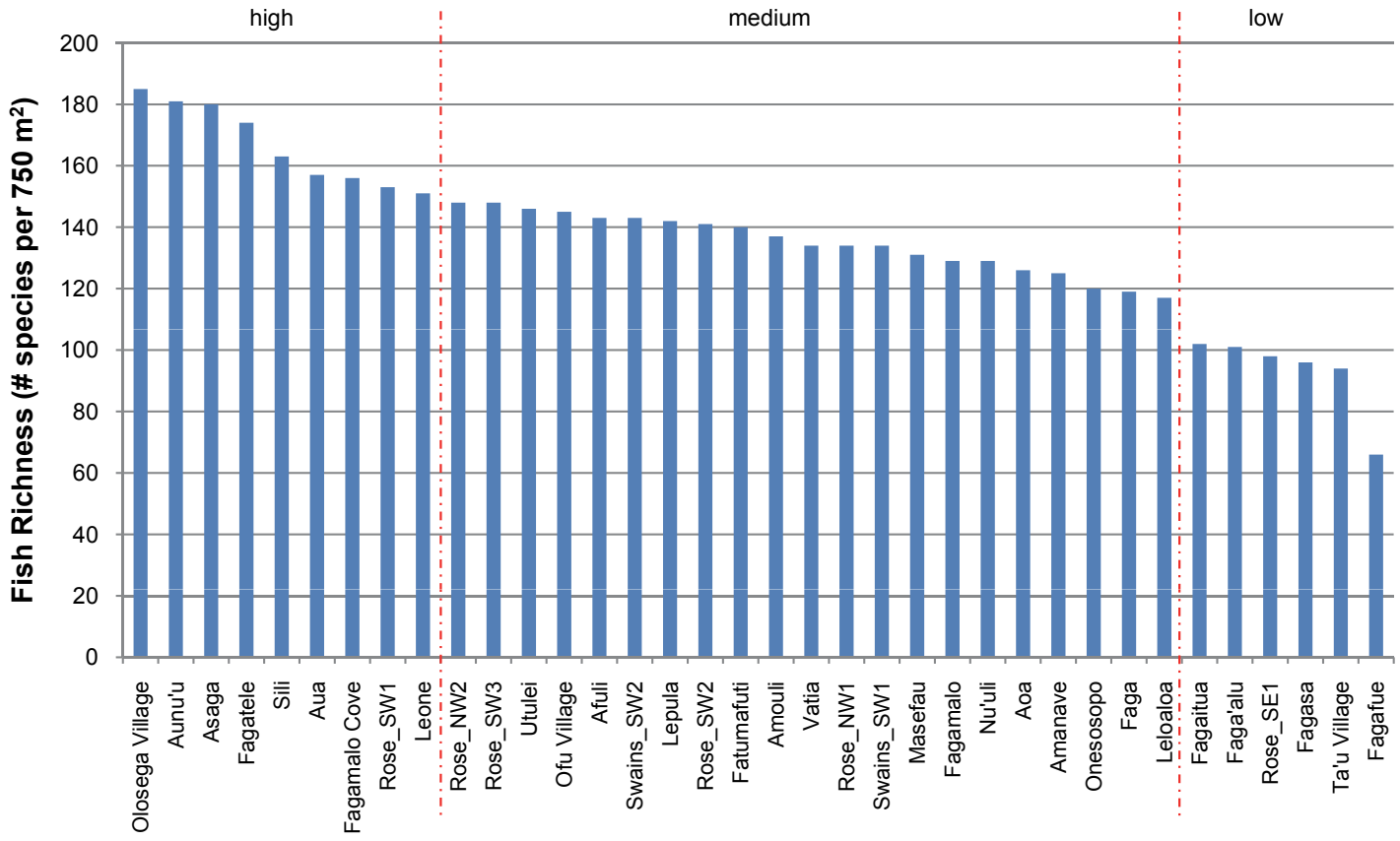


Figure C.26 - GCRMN

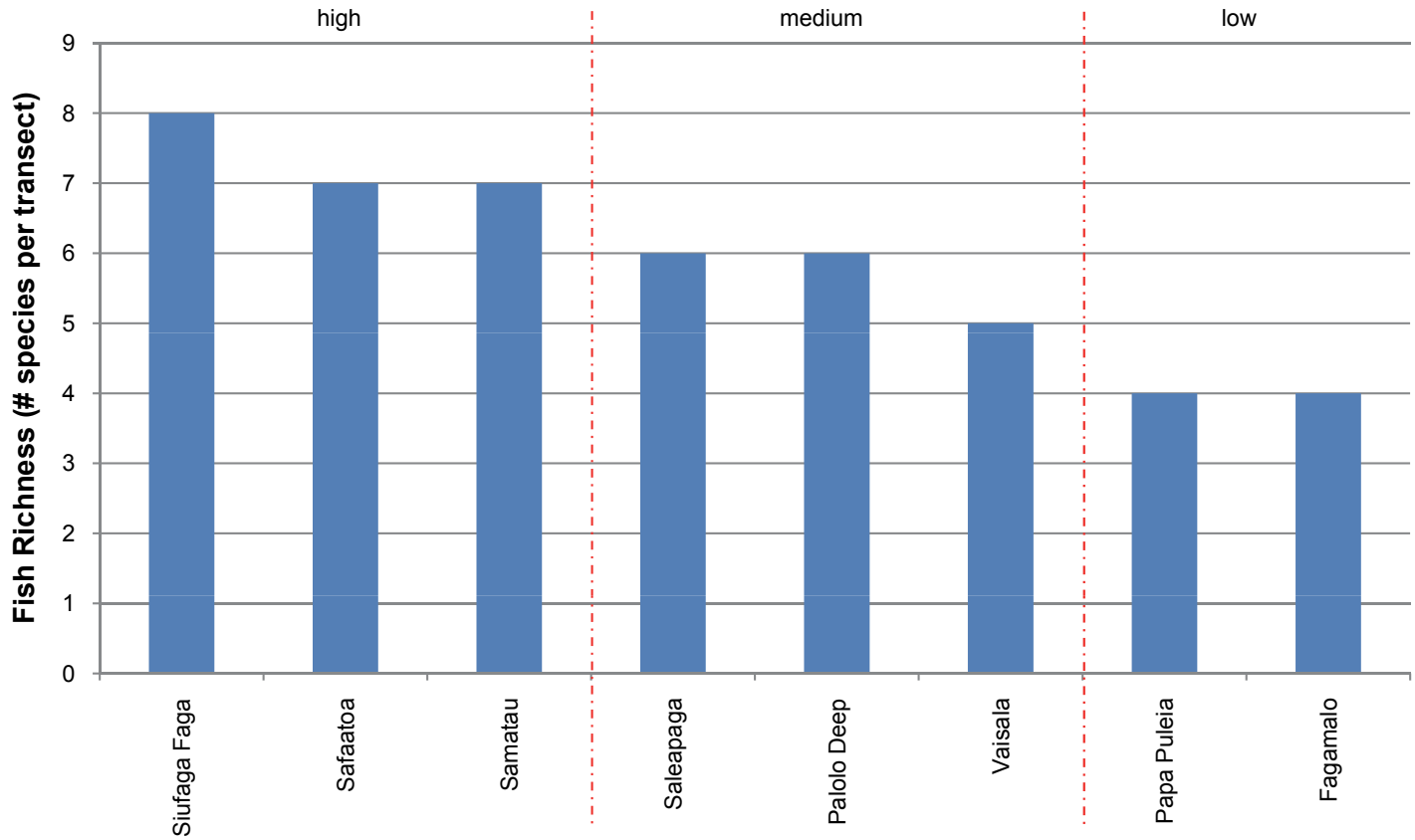


Figure C.27 - KRS

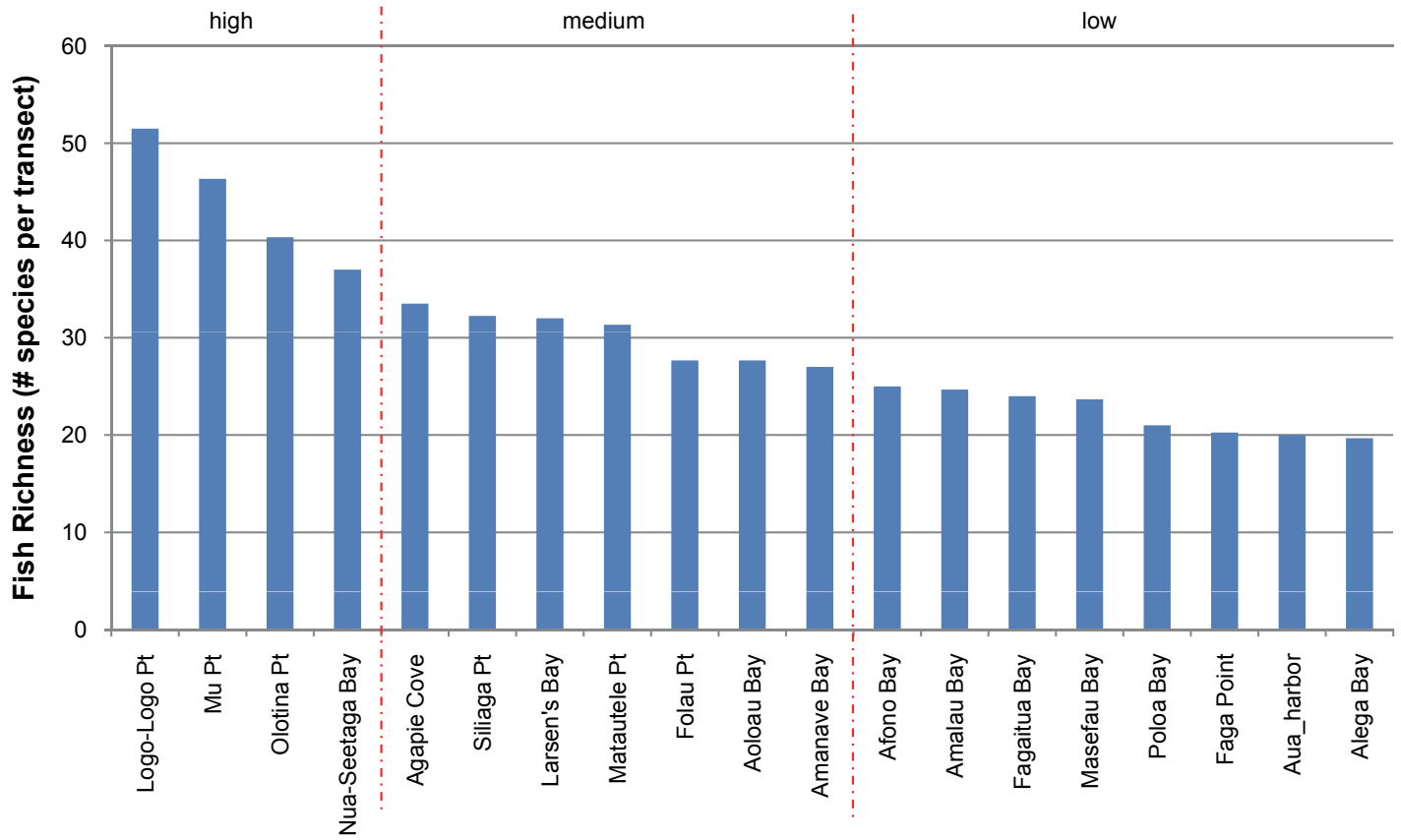


Figure C.28 - MPABR

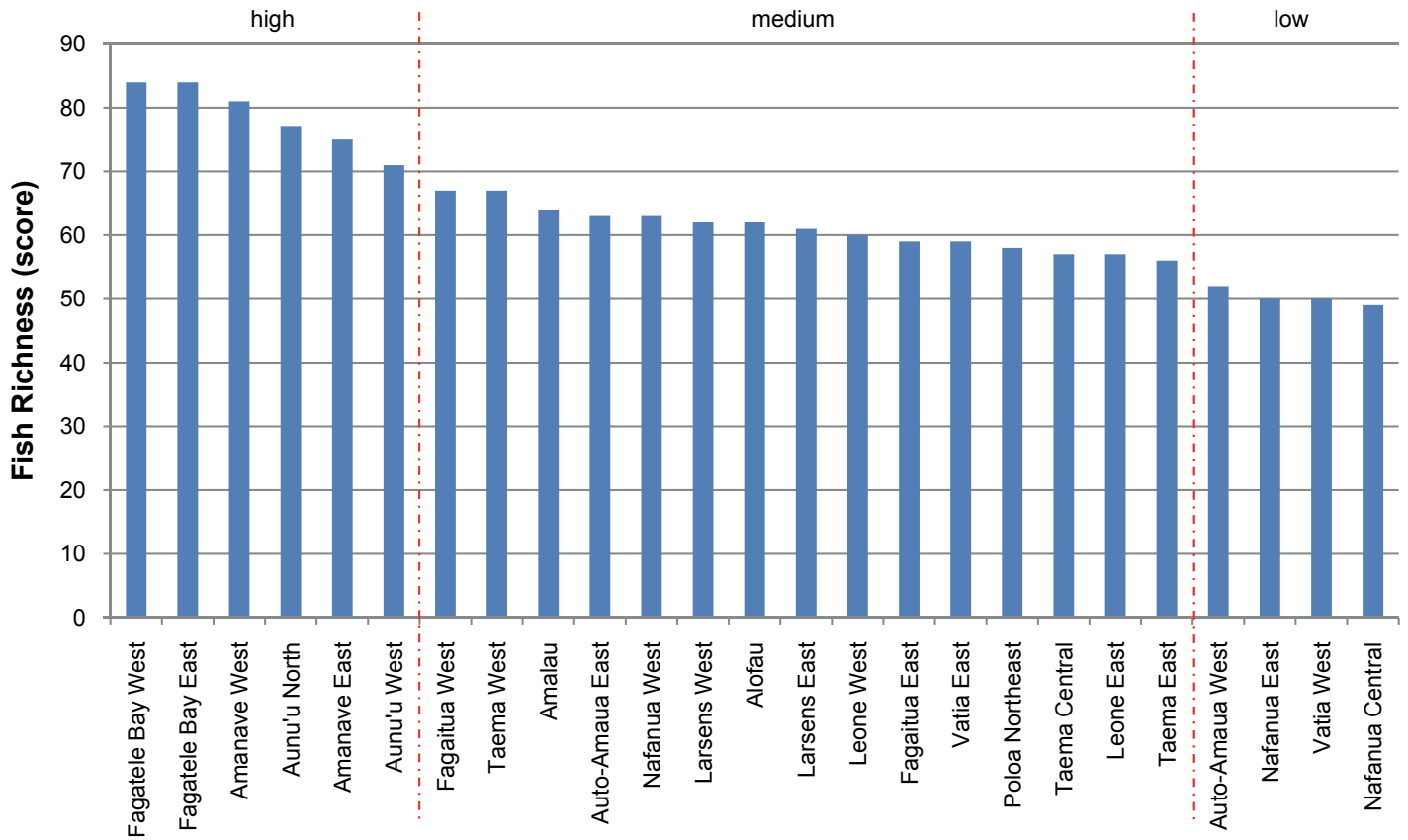
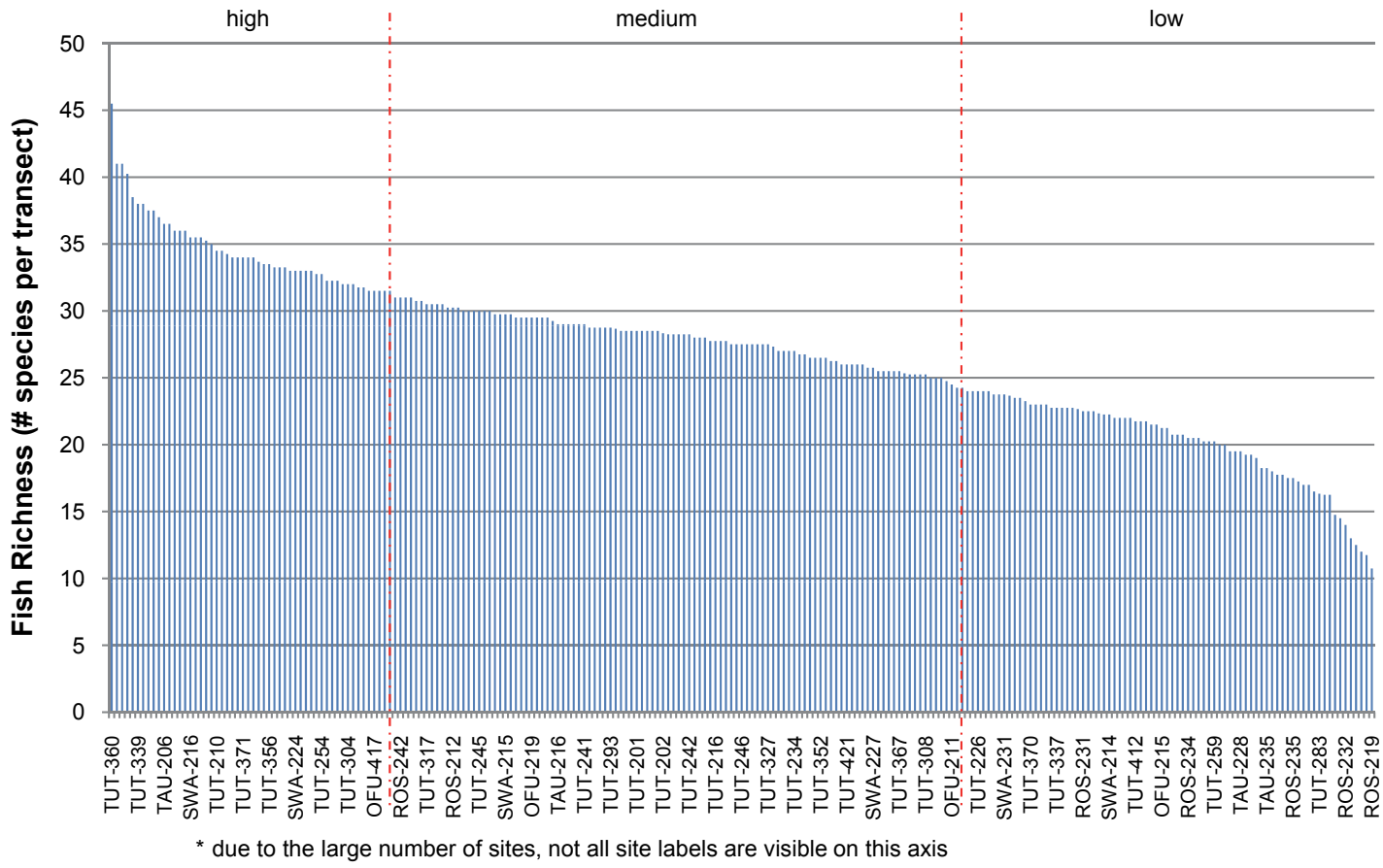


Figure C.29 - REA



* due to the large number of sites, not all site labels are visible on this axis

Figure C.30 - SFR

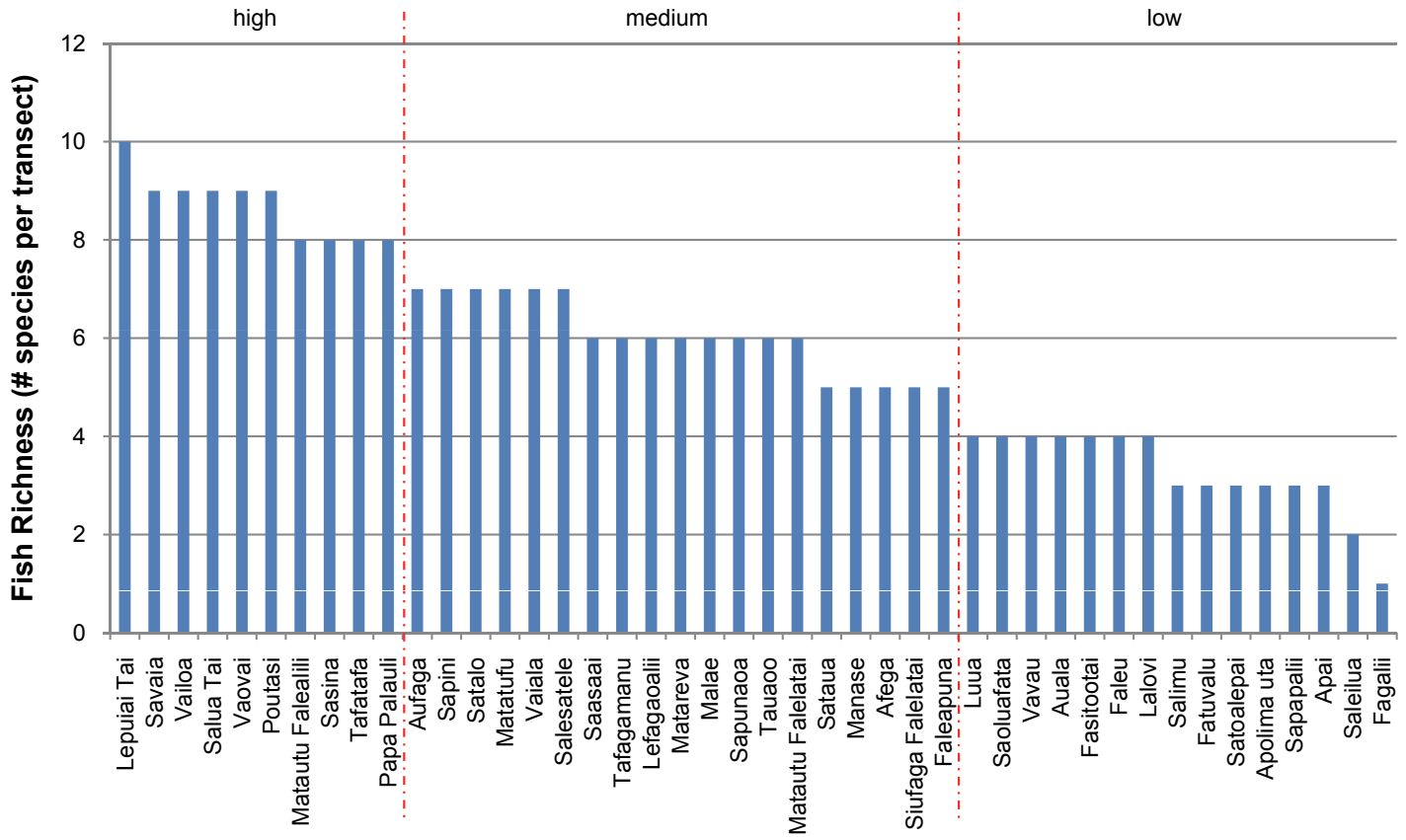


Figure C.31 - TCRMP

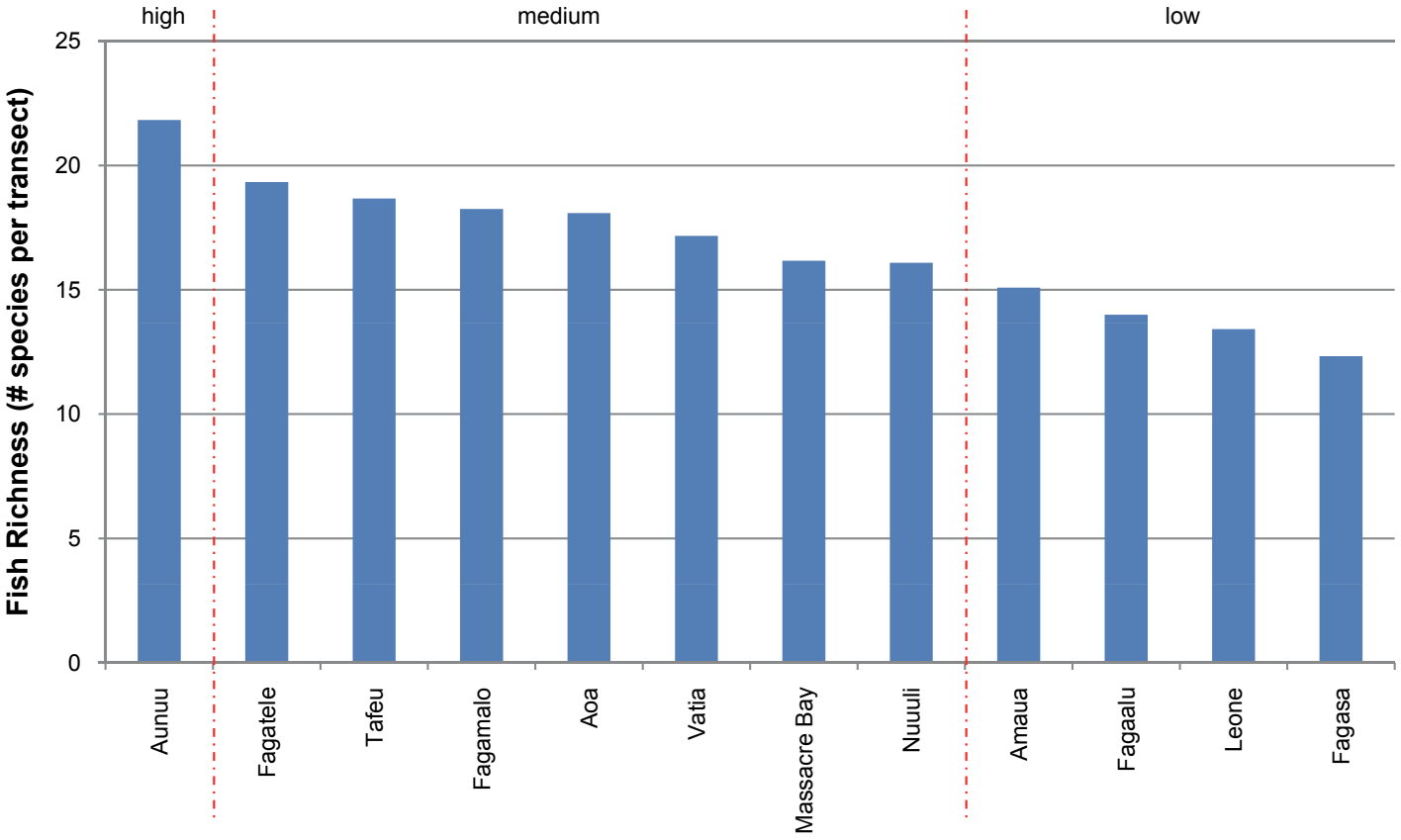


Figure C.32. MDS plots based on coral community data for sites in each of the American Samoa studies. Sites are coded by Bioregion. The R value of the Global ANOSIM test among all Bioregions is provided where results were significant. For the MPABR data, the Nafanua Central site was excluded as an extreme outlier.

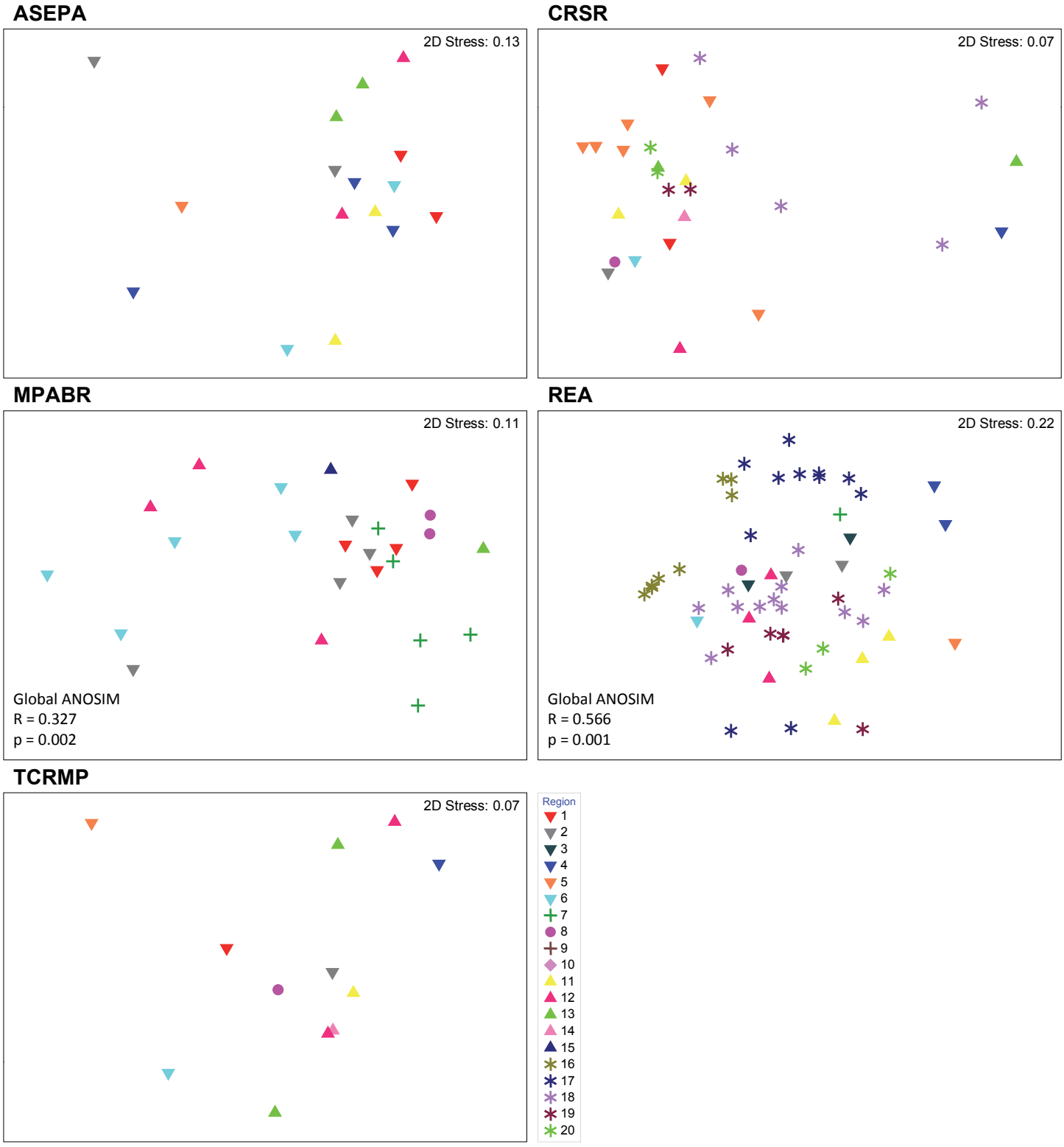


Figure C.33. MDS plots based on fish community data for sites in each of the American Samoa studies. Sites are coded by Bioregion. The R value of the Global ANOSIM test among all Bioregions is provided where results were significant.

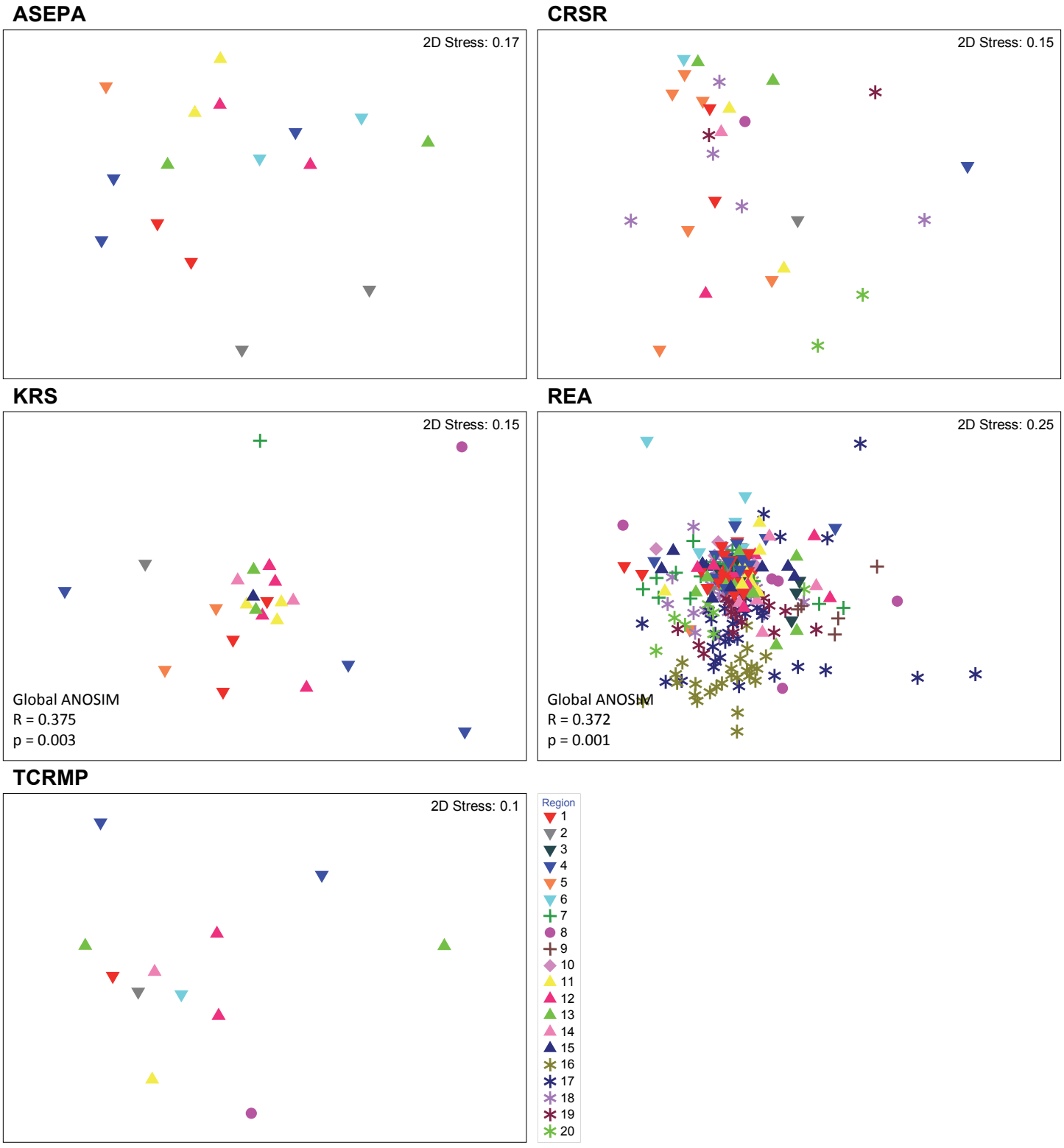
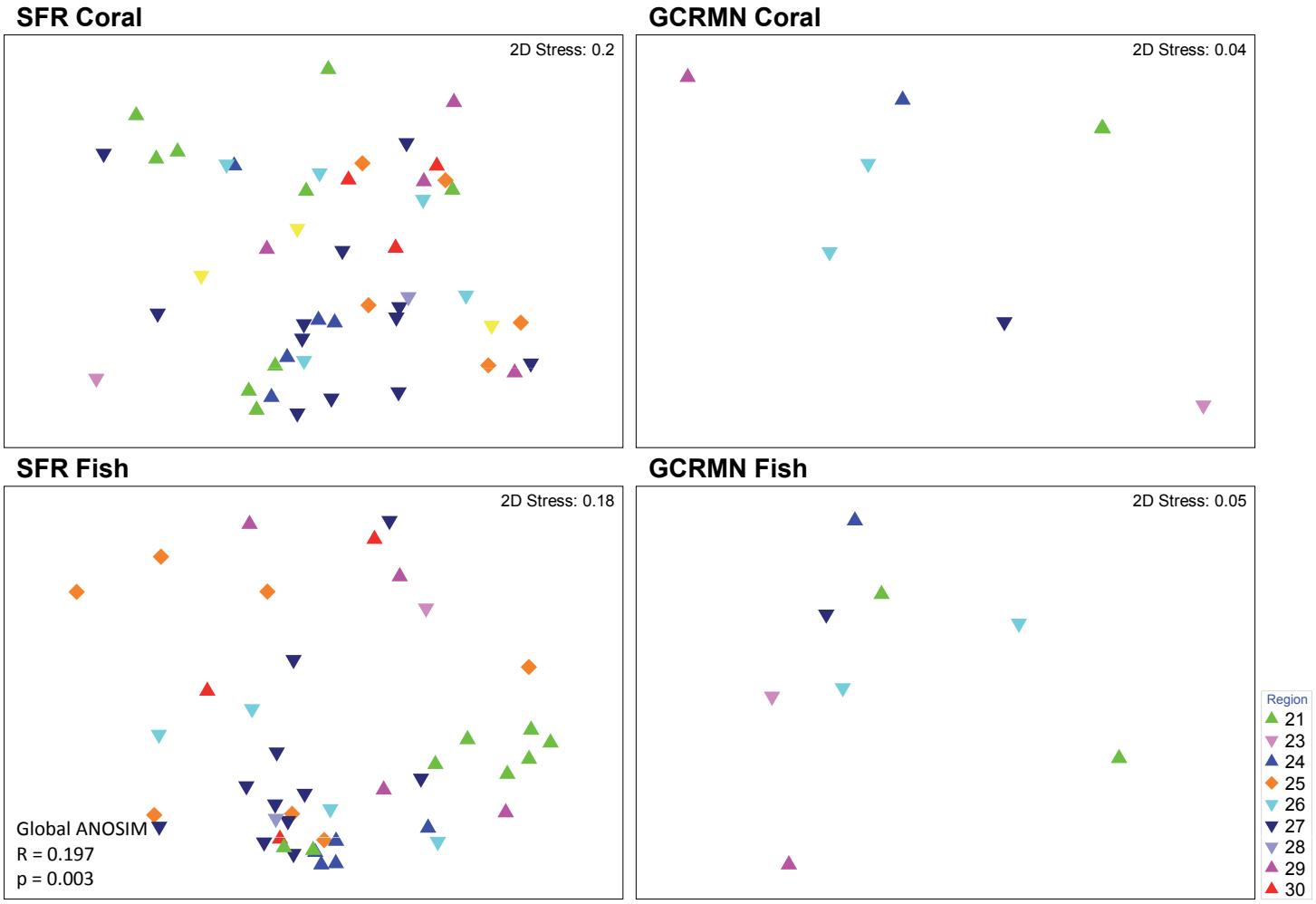



Figure C.34. MDS plots based on coral and fish community data for sites in each of the Samoa studies. Sites are coded by Bioregion. The R value of the Global ANOSIM test among all Bioregions is provided where results were significant. For the SFR fish community data, the Fagali'i site was excluded as an extreme outlier.