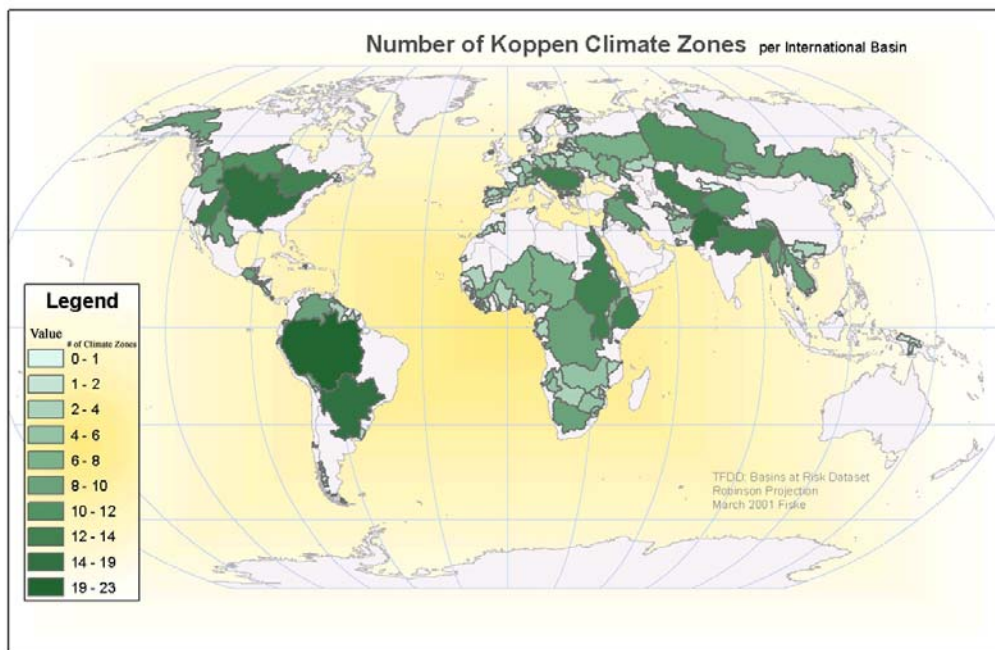


APPENDIX 9 DERIVATION OF CLIMATE ZONES BY BASIN

A9.1 Number of Climate Zones Per Basin



A GIS NOTE REGARDING THE CLIMATE ZONE MAPS

It proved difficult to find a publicly available digitized map of the world's climate zones. BAR obtained its Koeppen climate classification map from FAO. A number of transformations were required to put the image into a GIS process-able format. The original format of the dataset, IDA, would not import into ESRI ArcInfo or ArcView, the GIS software used for the BAR project. While a program called WINDISP 5.0 claimed to export the dataset as an ArcView shapefile, the dataset would not export successfully. BAR imported the file into Adobe Photoshop and converted it from an IDA to a RAW datafile (binary format). IDRISI imaging software was used to give the datafile correct boundary coordinates and solve the projection problem. The file was then transferred to ERDAS Imagine software and saved as an image file that would be compatible with ArcInfo. Once in ArcInfo, the image was converted into a spatially analyzable grid file.