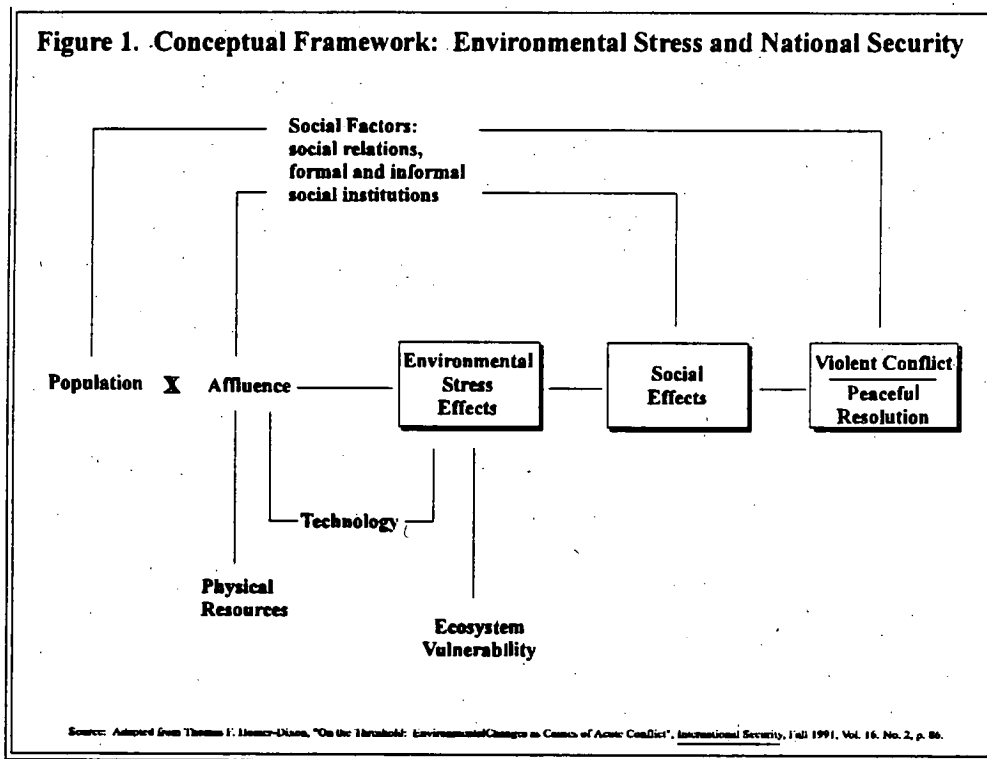


measurement of which is difficult in itself, into violent action is not a simple undertaking. Figure 1 is a diagrammatic presentation of the transformation.

The diagram has three sequential components, and two causal and far from completely deterministic links. The two casual links connecting the components are (1) between environmental effects and social effects, and (2) the social effects and violent conflict. Moreover, there are many feedback loops that are not shown. For example, the Paper's discussion of the "reverse role"²⁰ would be represented by a line



from violent conflict to environmental effects. Most important is the manner in which social institutions and technology influence the components. Changes in technology will alter relationships in the framework; for example, new technology will influence the degree of environmental stress resulting from population or economic growth. Similarly, formal and informal institutions, such as the cohesion of families or the strength of local communities, or the willingness of society to accept environmental degradation will influence how environmental stress is dealt with.

²⁰See section 3 above.