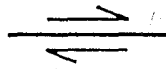


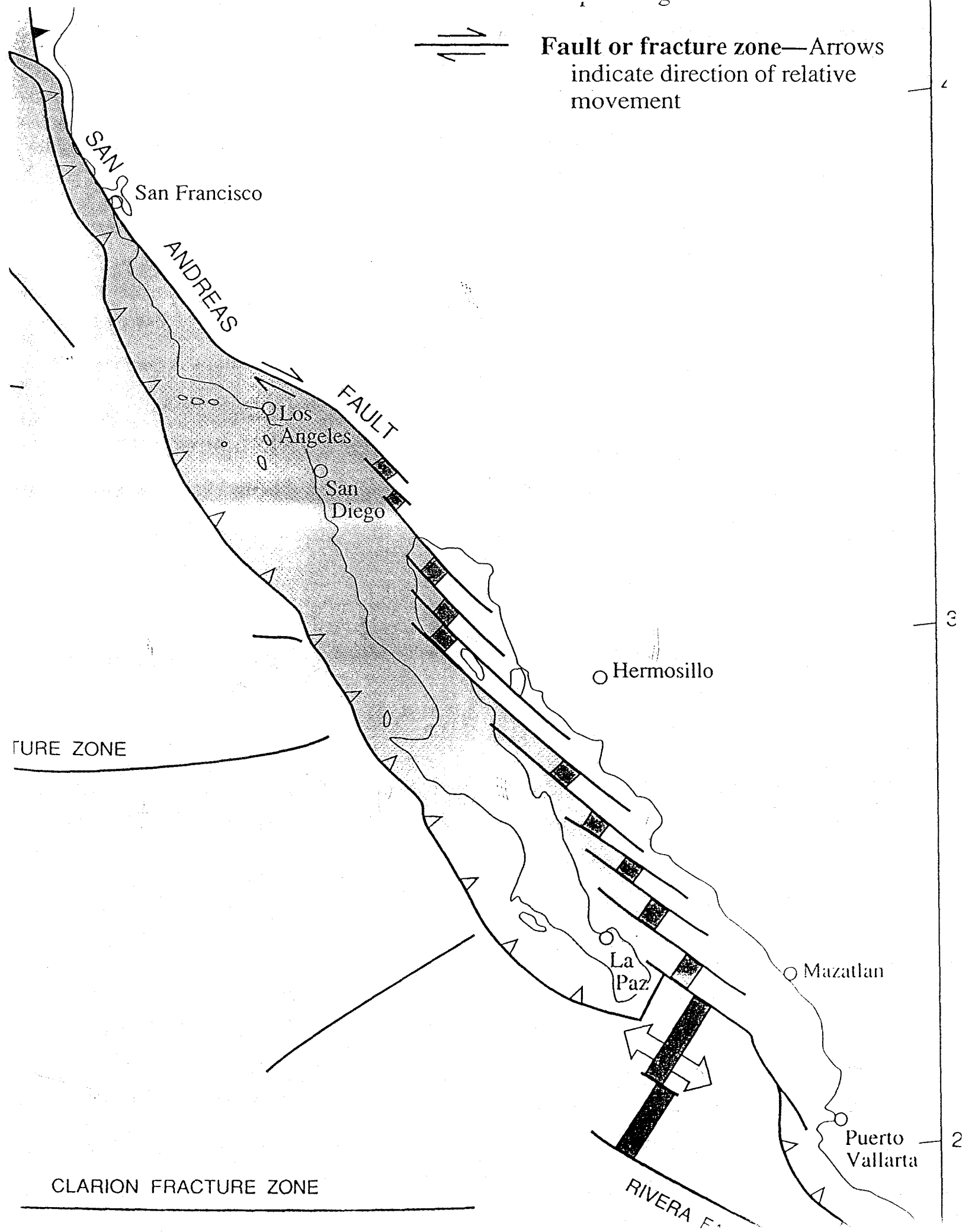
EXPLANATION

- Spreading center
- Subduction zone—Dashed where approximately located. Sawteeth on upper plate
- Fault—Dashed where approximately located. Arrows indicate direction of relative movement
- M Mendocino triple junction
- R Rivera triple junction

FIGURE .—Sequential diagrams showing plate-tectonic evolution of the San Andreas transform fault system (modified from Dickinson, 1981). Note that early transform faulting was west of the present-day San Andreas fault and presumably separated young oceanic rocks of the Pacific plate from rocks of the North American plate. Over time, the transform faulting has stepped eastward, and so virtually all the presently most active element, the present-day San Andreas fault, is now in rocks of North American plate aspect. In earlier diagrams, partial outline of the Gulf of California, which did not exist before 5 Ma, is shown for reference only.



Fault or fracture zone—Arrows indicate direction of relative movement



CLARION FRACTURE ZONE

CLARION FRACTURE ZONE

RIVERA F.