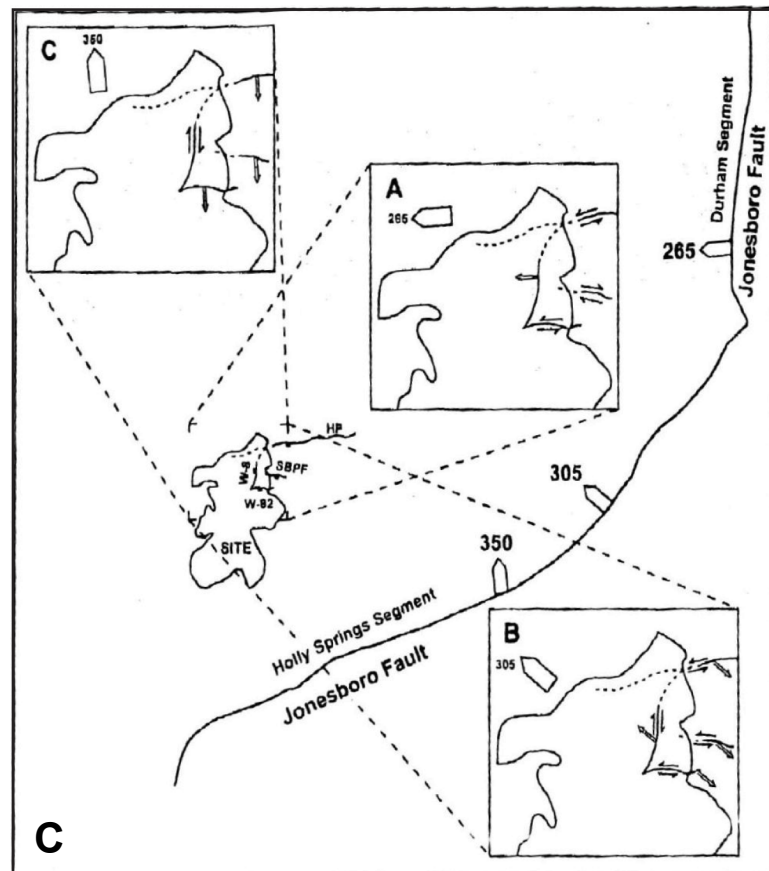


Source: Wooten et al. (2001)

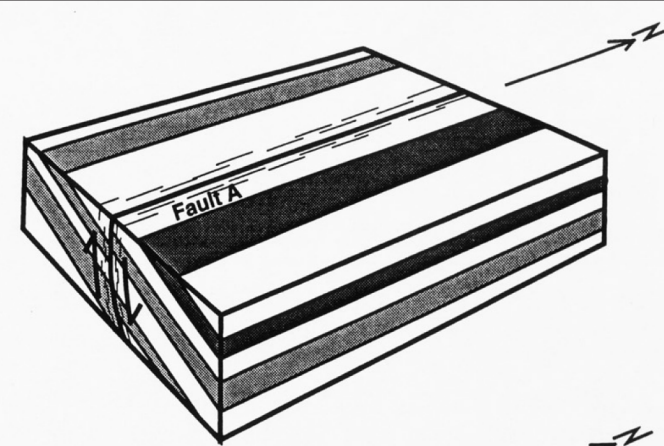


Source: Wooten et al. (2001)

**B**

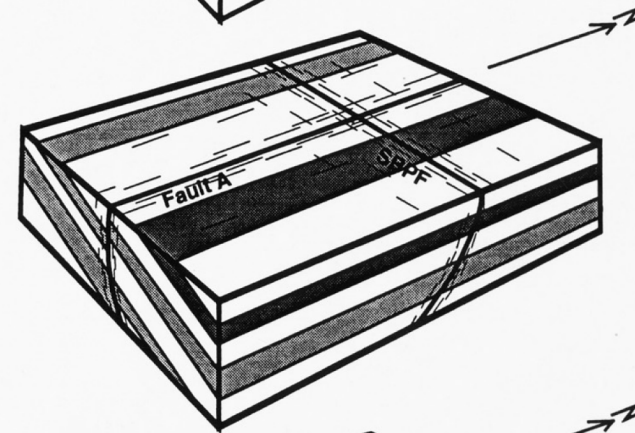
**Stage 1:**

- Longitudinal basin faulting (Fault A)
- Tilting of beds
- Formation of north-striking, opening-mode fractures.



**Stage 2:**

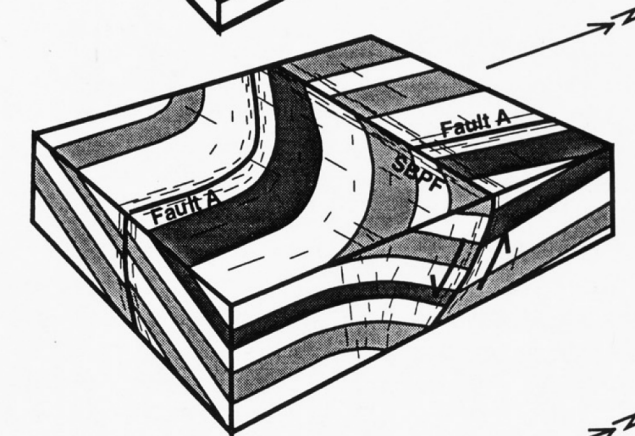
- Transverse basin faulting
- Initial formation of south borrow pit fault (SBPF).
- East-striking, opening mode fractures



**Stage 2A:**

- Normal faulting
- Formation of map-scale, hanging wall anticline.
- East-striking, opening mode fractures.

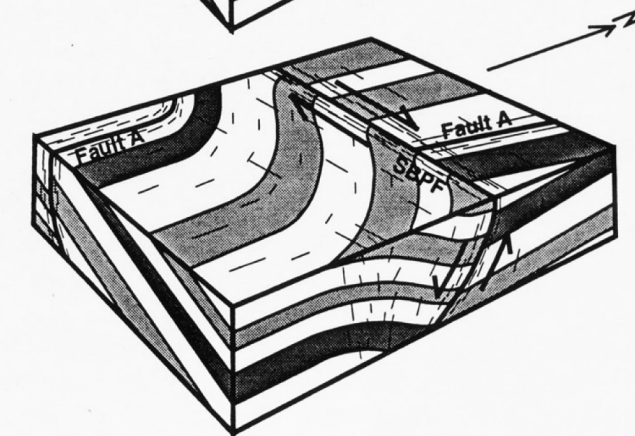
Stages 2A and 2B may be coeval.



**Stage 2B:**

- Continued movement along SBPF.
- Dextral, strike-slip faulting;
- Formation of outcrop-scale, hanging wall syncline.
- East- and north-striking shearing mode fractures.

Stages 2A and 2B may be coeval.



Schematic diagram showing a possible kinematic model for the south borrow pit fault and associate structures.

Source: Wooten et al. (1996)

Progress Energy Carolinas  
**Shearon Harris Nuclear Power Plant  
 Units 2 and 3**  
**Part 2, Final Safety Analysis Report**  
 New Hill, North Carolina

Schematic Block Diagram and  
 Map Showing Structural Relations  
 for Faults in the Site Area  
 FIGURE 2.5.1-236