



Figure 5. Schematic reconstruction of the Pacific Northwest in the early Eocene, about 50 million years ago. The coastline has been back-rotated about  $18\frac{1}{4}$  to reflect subsequent expansion of the Basin and Range. The plate configuration is poorly constrained; eruption of Siletzia basalts may have overlapped a major reorganization of the Kula-Farallon spreading system (Wells et al., 1984). By the time of accretion the terrane is likely to have straddled a major transform (the Fulmar fault) and at least one spreading ridge segment (the Metchosin complex).