OPEN FILE 76

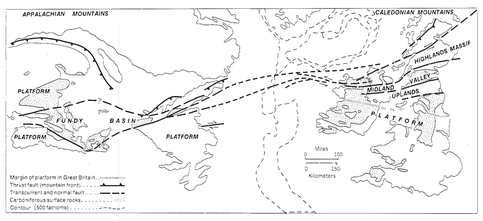

Figure 1. Carboniferous tectonic framework and pre-continental-drift arrangement of Appalachian and Caledonian mountain systems (reconstruction of continents after Bullard et al. (24), continuation of major faults according to Phillips et al. (79), tectonic elements of northern British Isles after Belt (21)).

OPEN FILE 76

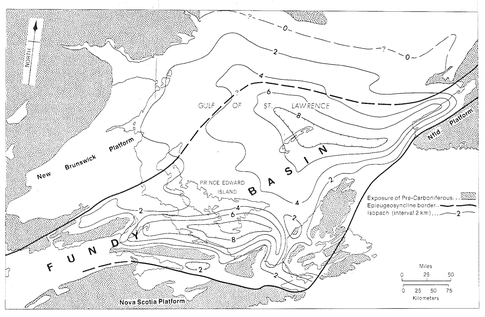

Figure 2. Total "Carboniferous" sedimentary cover (including Permian beds in some areas) and outline of major tectonic elements (onshore isopachs after Howie and Cummings (58), offshore data from Sheridan and Drake (88)).

OPEN FILE 76

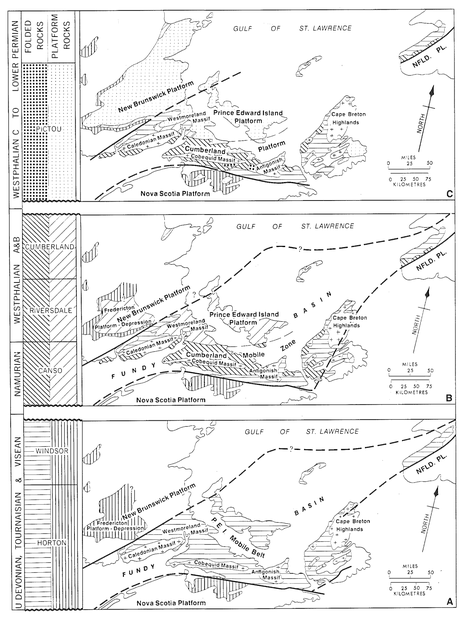

Figure 3. Tectonic development of the Fundy epieugeosyncline during Upper Paleozoic time (after van de Poll (94), modified).

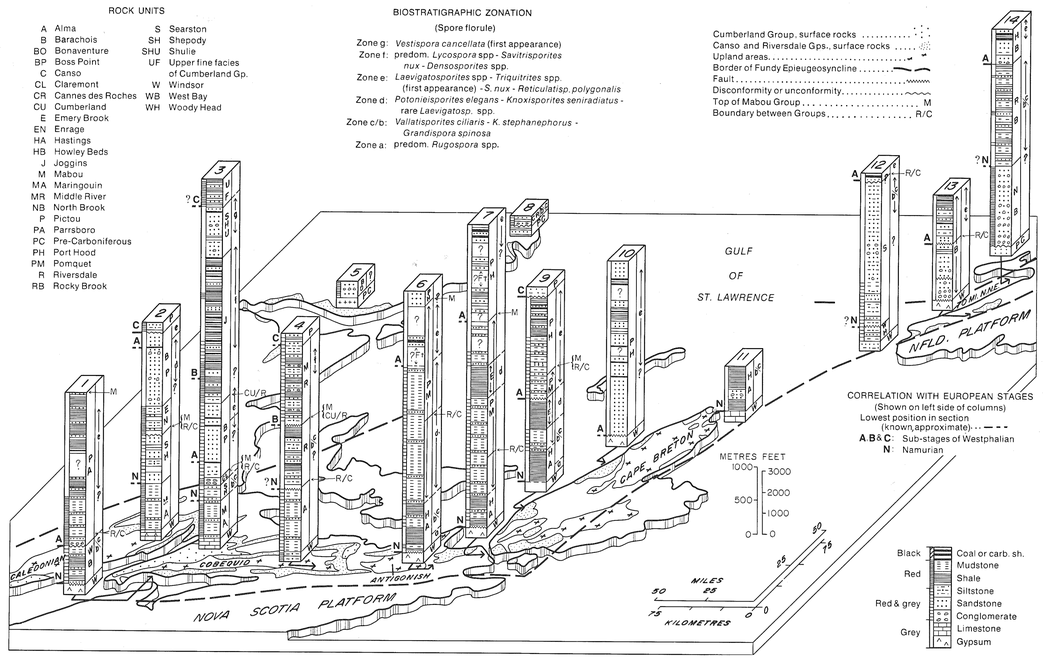

Figure 6. Biostratigraphy and lithology of the Canso, Riversdale and Cumberland Groups. Locations and literature references of composite stratigraphic sections: 1. Parrsboro [(13): p. 9, 10, 16-18; (18): chart IIIc, p. 103, 107-110] ; 2. Enrage - Maringouin - Dorchester [(39): p. 1717, 1748-1755] ; 3. Cumberland sub-basin (shore section) [(7): p. 360-371; (13): p. 8, 15, 19, 20; (26): p. 14; (36): p. 417-536; (67): p. 92-156] ; 4. Riversdale - Hopewell - Middle River [(12): p. 16; (16): p. 86; (22): p. 34, 35; (90): p. 46, 47] ; 5. North Shore Chaleur Bay [(1): p. 89-93] ; 6. Antigonish [(18): Chart IIIb, p. 45-49, 249-258; (20): Fig. 3; (73): (83): map, p. 59-62] ; 7. Strait of Canso - Richmond syncline [(13): p. 6, 7, 12, 13; (18): Chart IIIb, p. 30-42, 264-274; (20): Fig. 4; (32): p. 11-14] ; 8. Mal Baie [(1): p. 67, 93, 94] ; 9. S.W. Mabou - Port Hood sub-basin [(13): p. 7, 13; (18): Chart IIIa, p. 67-70, 285-295; (20): Fig. 4; (29): p. 254; (77): p. 43-47, 75-82] ; 10. Chimney Corner - Margaree Harbour [(13): p. 13; (30): p. 68-81; (40): Fig. 2] ; 11. Bay St. Lawrence [(18): p. 301-304] ; 12. Searston [(14): p. 7, 8, 12, 19, 20; (57): p. 21, 28] ; 13. St. George's coalfied [(57): table II, p. 10, 21-28, 33-39; (83): p. 9, 35] ; 14. Deer Lake [(2); (12): p. 739-741; (44): p. 238] .

OPEN FILE 76

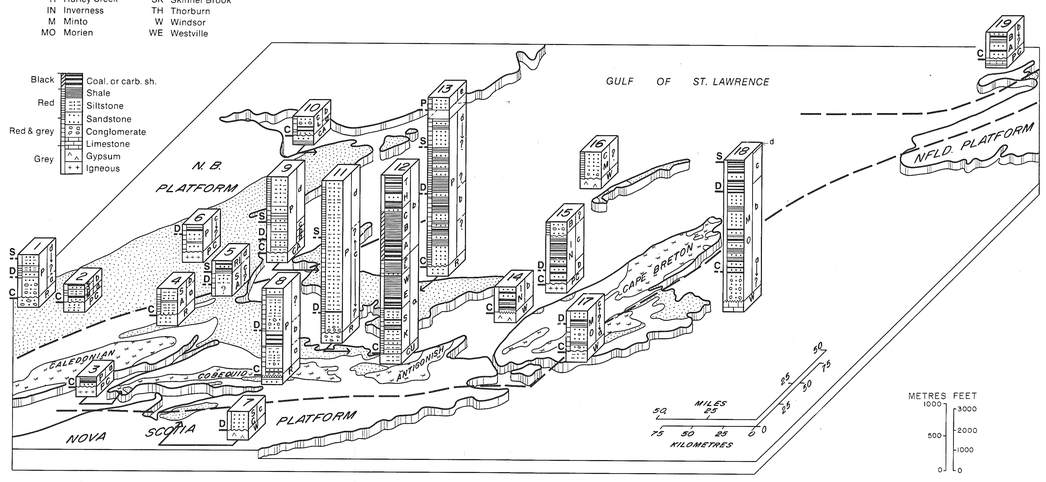

Figure 7. Biostratigraphy and lithology of the Pictou Group. Locations and literature references of composite stratigraphic sections: 1. Marysville No. 2 well [(55): p. 93-111; (94): Fig. 16, App. II] ; 2. Minto coalfield [(72): p. 14-22] ; 3. Collins Beach at Parrsboro Shore [(34): p. A52-54, P98-99] ; 4. West side Moncton sub-basin [(25): p. 33, 36] ; 5. Shediac [(25): p. 16-20, 32; (78)] ; 6. Beersville coal area [(52): p. 1-7; (65): p. 32-35] ; 7. Walton [(91): p. 31-34] ; 8. Debert, Chiganois and Folly Rivers [(90): p. 48-51, 81-84] ; 9. MacDougall No. 1 well [(5): p. 3] ; 10. Clifton [(1): p. 95] ; 11. W. Branch River John and Tony River [(34): p. 114-117; (35)];12. Pictou coalfield [(12): p. 21-48; (51): Fig. 2-2] ; 13. Gallas Point and Hillsborough No. 1 well [(59); (82)] ; 14. Mabou coalfield [(28): p. 124-131; (41): p. 230-232; (61)] ; 15. Inverness coalfield [(59): p. 122-126, Fig. 6; (77): p. 87-95] ; 16. Magdalen Is. [(86): p. 37-47] ; 17. Salmon River sub-basin [(86): p. 79-81] ; 18. Sydney coalfield [(11): p. 4-10; (33); (56): p. 19-30] ; 19. Rivière Blanche [(57) p. 22, 43; (83): p. 35] .

OPEN FILE 76

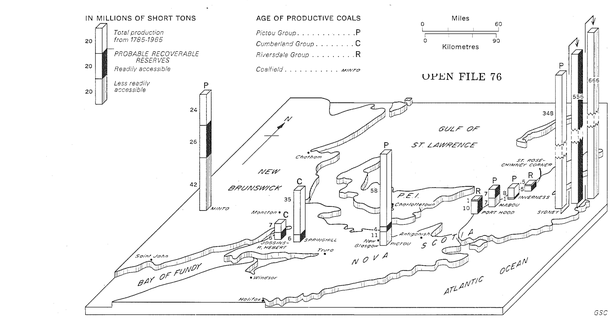

Figure 8. Location, production and reserves of the coalfields of southeastern Canada (after Hacquebard (43)).

OPEN FILE 76

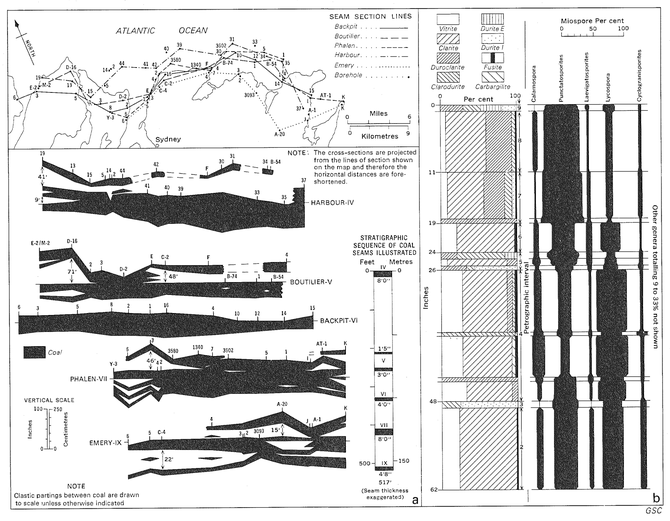

Figure 9. Seam development and palyno-petrography in Sydney coalfield. (a) Cross-sections through five successive seams; (b) Characteristic seam profile (after Hacquebard (43, 47)).

OPEN FILE 76

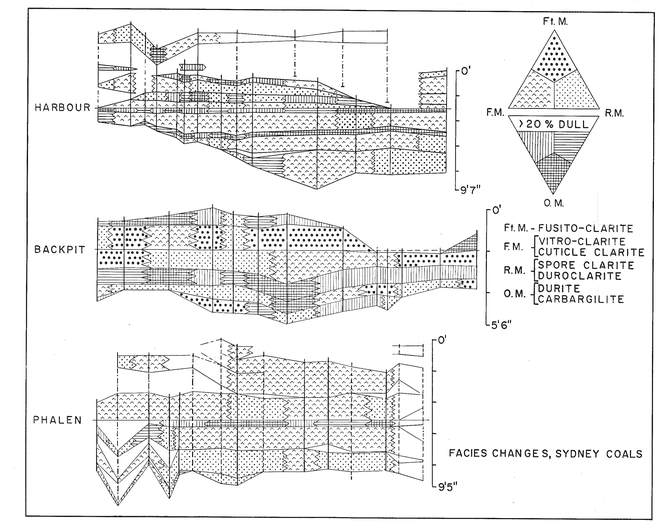

Figure 10. Facies changes in the Harbour, Backpit and Phalen seams of the Sydney coalfield (after Hacquebard and Donaldson (47)).

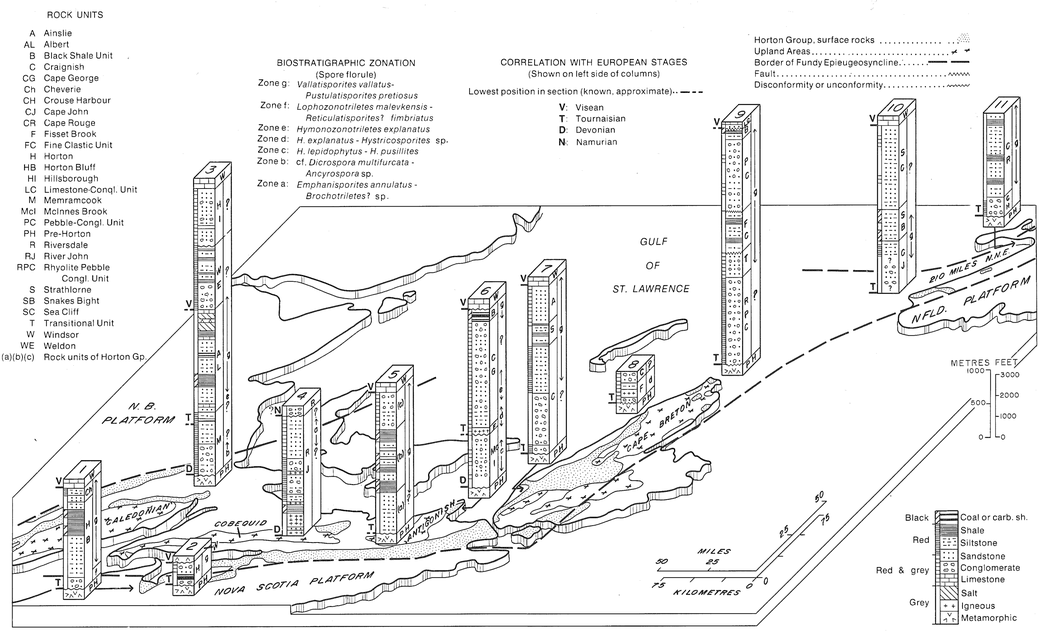

Figure 4. Biostratigraphy and lithology of the Horton Group. Locations and literature references of composite stratigraphic sections: 1. Avon River Estuary (type section) [(10): p. 29-44; (17): p. 2-14; (73): p. 51-61] ; 2. West Gore [(37); (91): p. 16-17] ; 3. Moncton sub-basin [(25): p. 6; (38): p. 221-231; (39): p. 1717, 1728-1740; (76): p. 168] ; 4. Scotsburn [(16): p. 53, 63, 64; (71): p. 35-42] ; 5. Hopewell [(22): p. 22-28] ; 6. Cape George - Antigonish [(23); (73): p. 34, 78, 79, 87] ; 7. S.W. Mabou River [(62): p. 20-26; (73): Fig. 7, 1. 15, 16] ; 8. Fisset Brook [(62): p. 43; (63): p. 1-5]; 9. Cape St. Lawrence [(73): Fig. 8, p. 24, 32, 49-51] ; 10. Cape Anguille Mountains [(4): p. 509-513];11. Conche - Groais Is. [(3): p. 250, 251] .

OPEN FILE 76

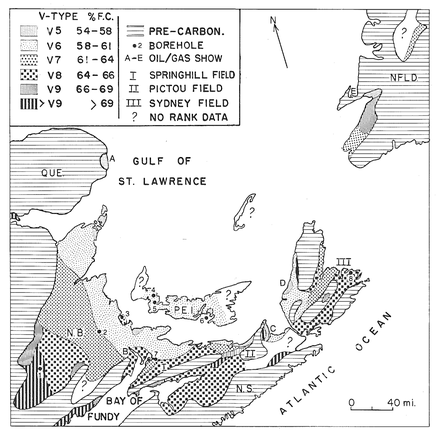

Figure 12. Regional variation in organic metamorphism of Upper Paleozoic surface rocks in eastern Canada (after Hacquebard and Donaldson (49)).

OPEN FILE 76

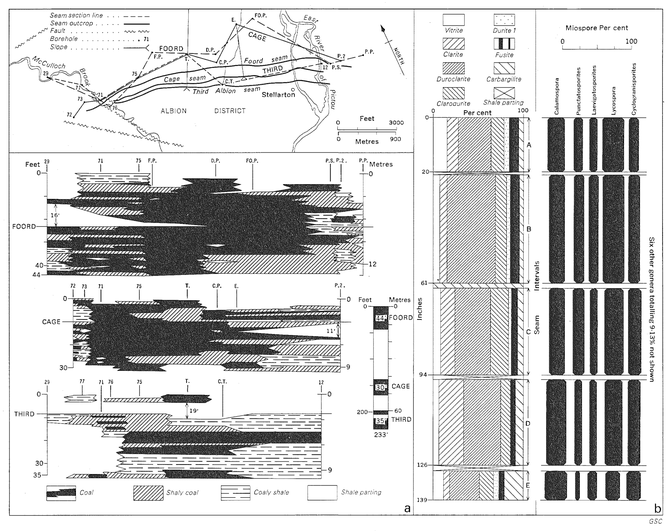

Figure 11. Seam development and palyno-petrography in Pictou coalfied. (a) Cross-sections through three successive seams; (b) Characteristic seam profile (after Hacquebard (43, 47)).

This map has been reprinted from a scanned version of the original map
Reproduction par numérisation d'une carte sur papier

OPEN FILE
76
GEOLOGICAL SURVEY
OTTAWA