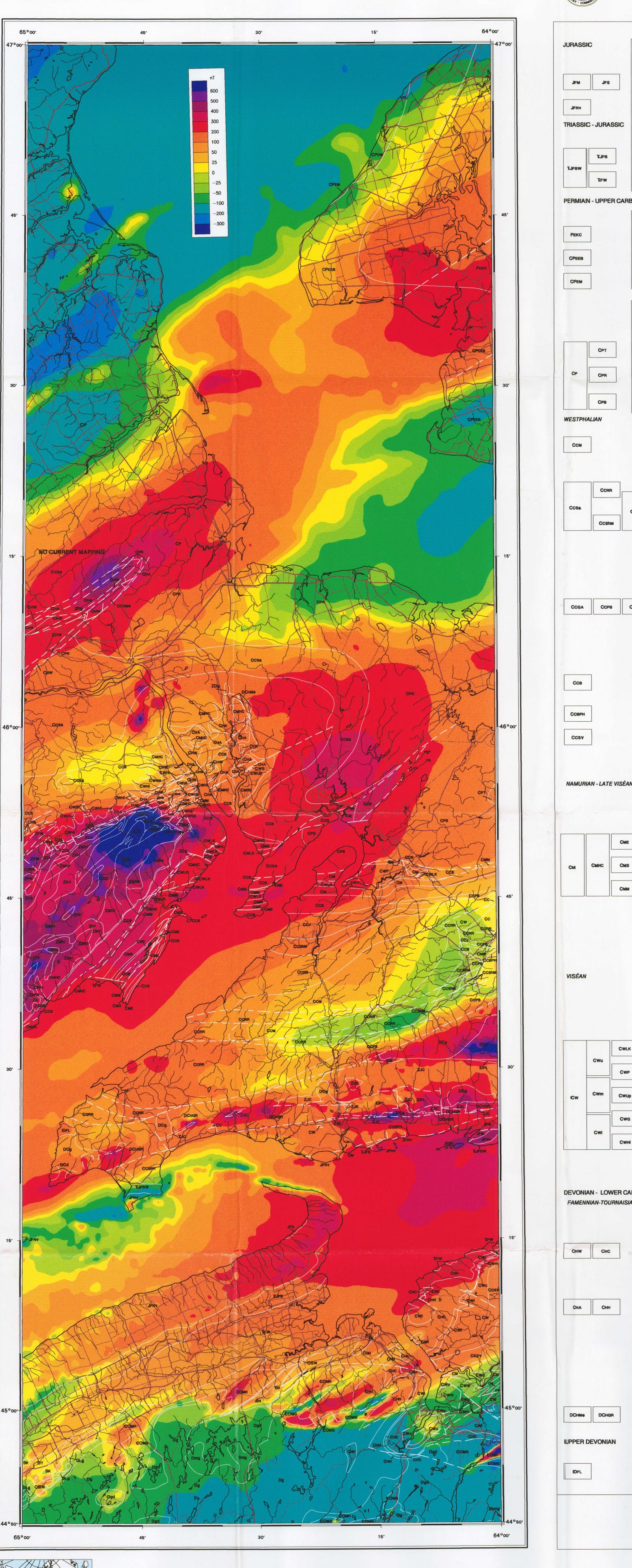
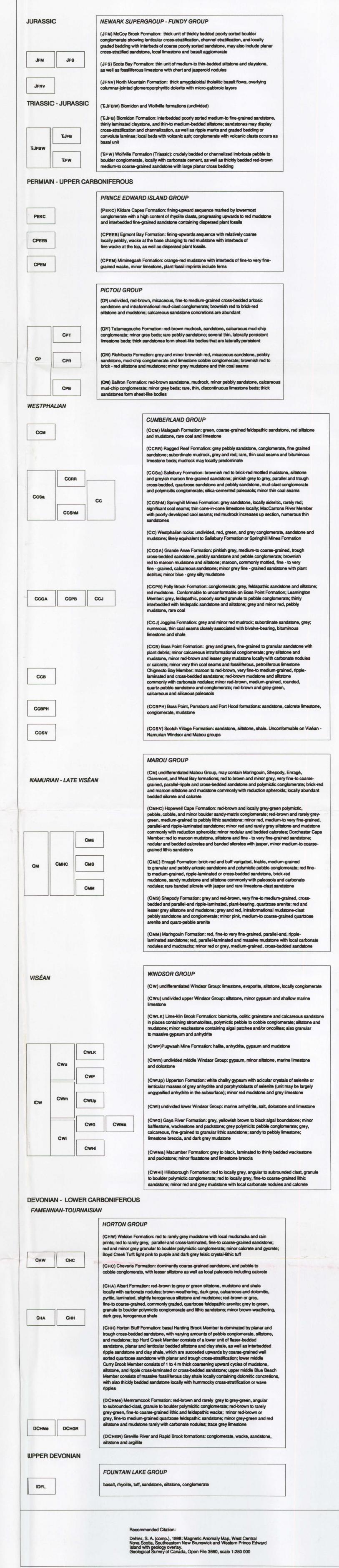
STRATIFIED ROCKS

ORDOVICIAN - DEVONIAN





Torbrook Formation: silty mudstone, mudstone, shale, siltstone, sandstone, iron formation, and minor silty limestone New Canaan Formation: breccia, siltstone, slate, limestone, bimodal volcanic rocks Kentville Formation: slate, silty slate, sandstone and limestone Wilson Brook Formation: siltstone, shale, wacke, felsic volcanic rocks White Rock Formation: quartzite, conglomerate, siltstone, slate; bimodal tholeiitic-alkalic lavas and volcaniclastic rocks **CAMBRIAN - ORDOVICIAN MEGUMA GROUP** Halifax Formation: slate, siltstone, minor sandstone and iron-manganese nodules **COMH** (in places metamorphosed to schist) Goldenville Formation: sandstone turbidites and slate (in places metamorphosed to COMG schist and gneiss) **NEOPROTEROZOIC - CAMBRIAN** Rose Brook beds: quartzose to feldspathic sandstone, siltstone, shale; micaceous sandstone, quartzite and quartzite - pebble to polymictic conglomerate; minor limestone **NEOPROTEROZOIC JEFFERS GROUP** Cranberry Lake, Humming Brook, and Gilbert Hills formations: Cranberry Lake Formation, metamorphosed arkosic turbidites; Humming Brook Formation: metamorphosed argillite, rare sandstone and siltstone; Gilbert Hills Formation: metamorphosed tholeiitic and calcalkaline, felsic-intermediate-mafic lavas and pyroclastics **NEOPROTEROZOIC** ZC2 ZC3 COLDBROOK GROUP (ZC1) feldspathic and lithic sandstone, siltstone, shale and conglomerate; calcareous sandstone and limestone; arkose; (ZC2) felsic volcanic and associated sedimentary rocks; (ZC3) mafic volcanic and associated sedimentary rocks (ZC4) intercalated felsic and mafic volcanic and associated sedimentary rocks ZBR2 ZBR3 **BROAD RIVER GROUP** (ZBR1) feldspathic and lithic sandstone, siltstone, shale and conglomerate; calcareous sandstone and limestone; arkose; (ZBR2) felsic volcanic and associated sedimentary rocks; (ZBR3) intermediate volcanic and associated sedimentary rocks; (ZBR4) mafic volcanic and associated sedimentary rocks **PLUTONIC ROCKS DEVONIAN - CARBONIFEROUS** DCg **DEVONIAN** (ca. 369 - 380 Ma) (DLg) granite; (Dgd) granodiorite; (Dbmg) muscovite - biotite monzogranite; (Dg) fine-grained leuco-monzogranite; biotite monzogranite; leuco-monzogranite; (Dmg) muscovite leucogranite NEOPROTEROZOIC (ca. 555 Ma) undivided granitic and volcanic rocks Caledonia Mountain pluton: gabbro, diorite and ultramafic rocks; locally abundant granitoids NEOPROTEROZOIC (ca. 600 - 640 Ma) Forty Five River pluton: composite intrusions: granodiorite, granite ZFF and diorite; minor gabbro and rhyolite Kent Hills pluton: granodiorite, quartz diorite and diorite; syenite and ZKH Zd2 Point Wolfe River pluton: composite intrusions: granodiorite, granite and diorite; minor gabbro and rhyolite Caledonia Brook pluton: granodiorite, quartz diorite and diorite; syenite and ZCB alkalic granitoids Caledonia Road pluton: composite intrusions: granodiorite, granite and diorite; minor gabbro and rhyolite Alma pluton: granodiorite, quartz diorite and diorite; syenite and Goose Creek Leucotonalite: granodiorite, quartz diorite and diorite; syenite and ZGC

REFERENCE LIST OF MAPS AND REPORTS USED IN COMPILATION

Barr, S. M., White, C. E.
1993: Geological mapping of Eastern Caledonia Highlands, southern New Brunswick (parts of NTS 21H10, 21H15). Geological Survey of Canada. Open File 2600, scale 1:50 000

Calder, J.H.
1995: Geology map of the Springhill Coalfield, Cumberland County, Nova Scotia. Nova Scotia
Department of Natural Resources, Map 95-1, scale 1:10 000

Donohoe, H. W., Wallace, P. I. 1978: Geology of the Cobequid Highlands (West half). Nova Scotia Department of Natural Resources, Map 78-01, scale 1:125 000 Donohoe, H. W., Wallace, P. I.

1982: Geological map of the Cobequid Highlands, Colchester, Cumberland and Pictou Counties, Nova Scotia, sheet 1. Nova Scotia Department of Natural Resources, Map 82-6, scale 1:50 000

Donohoe, H. W., Wallace, P. I.

1982: Geological map of the Cobequid Highlands, Colchester, Cumberland and Pictou Counties, Nova Scotia, sheet 2. Nova Scotia Department of Natural Resources, Map 82-7, scale 1:50 000

Ferguson, S. A.
1983: Geological map of the Hansport area, Nova Scotia. Nova Scotia Department of Natural Resources, Map 83-1, scale 1:25 000

Ham, L. J., Horne, R. J. 1987: Geological Map of Windsor. Nova Scotia Department of Natural Resources, Map 87-7, scale 1:50 000

Ham, L. J.
1990: Geological Map of Windsor. Nova Scotia Department of Natural Resources, Map 90-10, scale
1:50 000

Johnson, S.C.
1995: Carboniferous Geology of the Port Elgin area (NTS 21l01), Westmorland county, New Brunswick. New Brunswick Department of Natural Resources and Energy, Plate 95-9, scale 1:50 000

Johnson, S.C. 1997: Carboniferous Geology of the Amherst area (NTS 21H16 and part of 21H09), Westmorland county, New Brunswick. New Brunswick Department of Natural Resources and Energy, Plate 97-9, scale 1:50 000

Johnson, S.C., St. Peter, C.
1997: Carbioniferous Geology of the Moncton area (NTS 21l02), Albert and Westmorland counties,
New Brunswick. New Brunswick Department of Natural Resources and Energy, Plate 97-7,
scale 1:50 000

Keppie, J.D.1979: Geological Map of the Province of Nova Scotia. Nova Scotia Department of Natural Resources, Map 79-1, scale 1:500 000

MacDonald, M. A., Ham, L. J.
1992: Geological map of Gaspareau Lake. Nova Scotia Department of Natural Resources, Map 92-01, scale 1:50 000

McLeod, M.J., Johnson, S.C., Ruitenberg, A.A.
1994: Geological map of southeasthern New Brunswick. New Brunswick Department of Natural Resource and Energy, Map NR-6, scale 1:250 000

Moore, R.A., Ferguson, S. A.
1986: Geological map of the Windsor area, Nova Scotia. Nova Scotia Department of Natural
Resources, Map 86-2, scale 1:25 000

Potter, R.R., Hamilton, J.B., Davies, J.L.
1979: Geological map New Brunswick, New Brunswick Department of Natural Resources and Energy, Map
NR-1, scale 1:500 000

Ryan, R. J., Boehner, R. C., Deal, A.

1990: Cumberland Basin Geology map, Apple River and Cape Chignecto, Cumberland County. Nova Scotia
Department of Natural Resources, Map 90-11, scale 1:50 000

Ryan, R. J., Boehner, R. C., Deal, A., Calder, J. H.
1990: Cumberland Basin Geology map, Amherst, Springhill and Parrsboro, Cumberland County. Nova
Scotia Department of Natural Resources, Map 90-12, scale 1:50 000 Ryan, R. J., Boehner, R. C.
1994: Geology of the Cumberland Basin, Cumberland, Coldchester, and Pictou Counties, Nova Scotia.
Nova Scotia Department of Natural Resources, Memoir 10, 222 p. series of 1:50 000 maps

St. Peter, C.
1997: Carboniferous Geology of the Alma area (NTS 21H10), Albert and Westmorland counties, New Brunswick. New Brunswick Department of Natural Resources and Energy, Plate 97-10, scale 1:50 000

St. Peter, C., Johnson, S.C.
1997: Carboniferous Geology of the Hillsborough area (NTS 21H15), Albert and Westmorland counties, New Brunswick. New Brunswick Department of Natural Resources and Energy, Plate 97-8, scale 1:50 000

Trescott, P.C.
1968: Bedrock and surficial geology of Annapolis-Corwallis valley, Nova Scotia. Map no.1 (East and West sheets). Nova Scotia Department of Natural Resources, Memoir 6, 159 p., scale 1:63 360. Van de Poll, H. W.
1981: Geological Map of Prince Edward Island. Prince Edward Island Department of Tourism, Industry, and Energy, scale 1:253 440

Van de Poll, H. W. 1988: Lithostratigraphy of the Prince Edward Island redbeds. Atlantic Geology, v. 25, p. 23-35.

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Canada

Gridded at 200 m from compilation of aeromagnetic data. Digital base map assembled and modified by the Geological Survey of Canada from digital bases compiled by the Canada Center for Geomatics Geology from Lynch et al., (1997); Geological Survey of Canada Open file 3521 Mean magnetic declination 1997, 20°30' West, at coordinates 46°0'N and 64°30'W Copies of this map may be obtained from the Geological Survey of Canada (Atlantic) P.O. Box 1006, Dartmouth, Nova Scotia, B2Y 4A2 Aeromagnetic data may be obtained from the Geophysical Data Centre, Geological Survey of Canada 1 Observatory Crescent, Ottawa, Ontario, K1A 0Y3 (613) 995-5326

MAGNIETIC ANOMALY MAP WEST CENTRAL NOVA SCOTIA, SOUTHEASTERN NEW BRUNSWICK

Scale 1::250 000 - Échelle 1/250 000

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AND WESTERN PRINCE EDWARD ISLAND

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