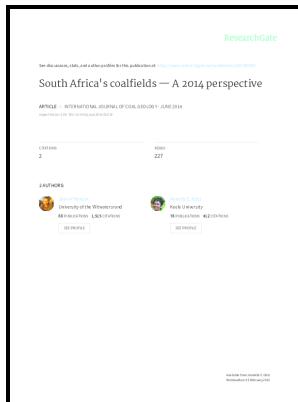


# Early-Proterozoic meandering-stream sedimentation in the Buffalo Springs Group of the Transvaal Supergroup, west-central Transvaal.

University of the Witwatersrand - Principles of Precambrian Geology



Description: -

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## Implications for Neoarchaean ocean chemistry from primary carbonate mineralogy of the Campbellrand-Malmani Platform, South Africa, Sedimentology

These units, which subsequently were redefined as informal members Gruner, 1946; White, 1954 , can be traced along most of the Mesabi range and throughout the Minnesota part of the Gunflint range Broderick, 1920. The geophysical focus of this research is twofold.

### Tectonic significance of an Early Proterozoic two

Key references: Black 1980, Hunter 1981, Tankard et al 1982, Cahen et al 1984, Daly 1986a, b, KrOner et al 1987a, Pallister et al 1988, Porada 1989, Van Reenen et al 1992a. . Thus, anomalous results are present in all of Rb-Sr, U-Pb and Sm-Nd isochron systematics, results variously ascribed to isotopic resetting during transitional amphibolite to granulite fabric facies tectonism.

### carbonate rocks deposited: Topics by Science.gov

The deposits have geologic features and geochemical signatures that are remarkably similar to those of sedimentary rock-hosted precious metal deposits in the United States.

### carbonate rocks deposited: Topics by Science.gov

Thus recent marine geophysical surveys have revealed that continental crust probably underlies several depressed peripheral and isolated oceanic plateaus, connecting ridges and continental rises, and even portions of some abyssal plains, all beyond the continental margins. The dark-gray laminated mudstone is less fractured and has a lower hydraulic conductivity than the black carbon-rich laminated mudstone.

### Principles of Precambrian Geology

The leucocratic granite age of 2480 Ma corresponds to widespread intrusions that concluded the Archean evolution of this craton. Geochronology of the southern Wisconsin rhyolites and granites.

#### **U-Pb geochronologic constraints on deposition of the Campbellrand Subgroup, Transvaal Supergroup, South Africa**

The Dengfeng Group comprises ultramafic-mafic-felsic volcanic-greywacke-BIF-bearing greenstone belts and enclosing granitoid-migmatitic gneiss complexes, in the ratio of greenstone : granitoid 1:4.

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