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boring-rod absolutely necessary to further prove the character and extent of these coal deposits.

GRAPHITE (PLUMBAGO.)

Graphitic, or plumbaginous slates and shales, are common to several formations, particularly the Cambrian and Cambro-Silurian. Impure deposits of plumbaginous clay, or pulverized slate, filling fissures, frequently occur in these rocks, and the material has been used by the inhabitants in the neighborhood as stove polish. Much purer specimens of graphite come from the Laurentian formations, on the south side of the island, and in the Long Range Mcuntains.

BITUMEN, PETROLEUM, &C.

A small piece of black, hard, glistening bitumen, apparently identical with the New Brunswick Albertite, was found in the gravel in Bay St. George, near the Murray coal seam. Bituminous shales and limestones occur both in the Lower Silurian, or Cambrian, and Lower Carboniferous formations, on the western side of the island, and more recently on the north side of Deer In Port-au-Port Bay, and at Parsons' Pond, Sandy Lake. Bay, crude petroleum is frequently found fosting on the surface of the water, and collected in the cavities in the rocks. An attempt to hore for oil was at ... time made near Cow Head, West Coast, but was unsuccessful-it is supposed from not having pierced the true oil bearing strata. The bituminous shales in the Lower Carboniferous series on the Humber River, after being exposed to sufficient heat, ignite and burn freely, with a yellow flame, giving off a strong odour of petroleum. Shining black crystalline bitumen, resembling jet, occurs in small quantities in an amygdaloidal trap rock, in Port-au-Port Bay.

SALT AND BRINE SPRINGS.

Brine springs are quite common in the vicinity of the gypsiferous deposits of the Carboniferous series in St. George's Bay, and the rocks are frequently found coated with deposits of fine white salt. It is not at all improbable that these indicate here, as elsewhere in the same series, underlying beds or masses of rock salt.