Clay and Shale Deposits of Ontario.

s.n - Queenston Formation

Description: -
-Clay and Shale Deposits of Ontario.
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Library of American civilization -- LAC 14222.
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MDC015: Clay and shale deposits of Ontario

Farming practices ceased on the property in 1931 and natural recovery of the majority of the property lands began. Distinguishing Characteristics: medium to coarser grained, light coloured and calcite crystals may be visible. It can seep infiltrate into the ground to be used directly by plants or to recharge groundwater.

Clay and Shale Deposits of the Western Provinces Part III

During the Quaternary Period, the Trinity River carved out terraces through the Cretaceous deposits. The oil shales of the New Brunswick Albert Formation, lamosites of Mississippian age, have the greatest potential for development. Another way for limestone to form is by the build up of the shells and skeletons of marine animals.

Understanding Ground Water

For the unconfined sand aquifer, the water table is also the top of the aquifer. Phosphate Mines The location of small scale phosphate mines in the area of Big Rideau Lake.

Ontario's Shale and Tight Resources

A transgressing sea deposited clays to form the Walnut Clay formation. Fossils are plants or animals that have been preserved in rock as organic carbon, chitin, or some mineral that replaced the original tissue. The largest phosphate mine was the Opinicon Rock Lake mine which operated from 1888 to 1892 see photo below.

Clay and shale deposits of the western provinces [microform] : (part iv) : Ries, Heinrich, 1871

Over time, the water table moves up and down with changes resulting from variations in rainfall, evapotranspiration and pumping of wells. The other Factsheets in the series explore how each of these can affect the integrity of well water and provide tips to minimize the risk of contamination A reliable supply of clean water is essential to the health of Ontarians and to the health of rural businesses, especially farming businesses. The stage tells you the Woodbine is in the lower part of the Gulf Series in the Cretaceous System.

MDC015: Clay and shale deposits of Ontario

From bottom to top is the Atco Member, the Austin Chalk, Blossom Sand, Brownstown Marl and Gober Chalk. By about 11,100 years ago, the central Rideau had risen above sea level and the land that we see today was being revealed.

Ontario's Shale and Tight Resources

The Collingwood Member upper Cobourg or Lindsay Formation is a fissile, organic-rich, very fine-grained limestone.

Canada Oil Shale Deposits

The mountains, known in this area as the Grenville Mountains, that were built as a result of this continental collision were analogous to the Himalayan or Andes mountain ranges today really big! The continuous deposition of the mud and sand from the mountains extended the Queenston Delta further into the Michigan Basin; however, as the mountains continued to erode, less and less mud and sand reached the delta, resulting in the formation of inter-layered beds of sandstone, shale and limestone throughout the period. Fossils include pelecypods: Anomia, Pectin, Gryphea and Alectryonia; : Heteraster and Macraster; ammonite: Pervinquieria The Fort Worth Limestone and the Duck Creek Limestone are both grayish to yellow-gray or yellow-brown.

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