Discovery of potash at 15-18-10-27W1 near Virden.

PERIOD

Western Potash

R24

Deposit

Imperial Oil

EMC

ADM Consulting Inc.

Second Red Bed Member

R28

Potash deposits in the Devonian Prairie Evaporite, southwestern Manitoba

Figure 2

Dawson

Burr Member

Whitebear Member

Lower Devonian

Belle Plaine Member

Figure 3

Figure 4

Figure 5

Figure 6

Figure 7

Figure 8

Figure 9

Table 2: Mineral resource estimates for the Foster and Birkby areas

Table 3: Summary resource estimates for the Foster and Birkby areas

Table 4: Summary resource estimates for the Foster and Birkby areas

1. Introduction

The Devonian Prairie Evaporite, located in southwestern Manitoba, is a major potash deposit. The area contains several potash deposits, which are the result of evaporite salt dissolution and the formation of sylvite crystals. The potash deposits are hosted in the Second Red Bed Member of the Lower Devonian Prairie Evaporite. The potash deposits are economically viable due to their high grade and large size. The potash deposits are located in the St. Lazare and Russell areas, which are the most significant potash districts in Manitoba. The St. Lazare area is the largest potash deposit in the province, and the Russell area contains the second largest potash deposit.

2. Regional and Local Geology

In Manitoba, the Devonian Prairie Evaporite is a major potash deposit. The potash deposits are hosted in the Second Red Bed Member of the Lower Devonian Prairie Evaporite. The potash deposits are economically viable due to their high grade and large size. The potash deposits are located in the St. Lazare and Russell areas, which are the most significant potash districts in Manitoba. The St. Lazare area is the largest potash deposit in the province, and the Russell area contains the second largest potash deposit.

3. Esthary Member

The Esthary Member is the most economically viable potash deposit in the province. The potash deposits are economically viable due to their high grade and large size. The potash deposits are located in the St. Lazare and Russell areas, which are the most significant potash districts in Manitoba. The St. Lazare area is the largest potash deposit in the province, and the Russell area contains the second largest potash deposit.

4. Potash occurrences

The potash deposits in the Devonian Prairie Evaporite are economically viable due to their high grade and large size. The potash deposits are located in the St. Lazare and Russell areas, which are the most significant potash districts in Manitoba. The St. Lazare area is the largest potash deposit in the province, and the Russell area contains the second largest potash deposit.

5. Russell-McAuley Area

The Russell-McAuley area is located in the southeastern part of the province. The potash deposits are economically viable due to their high grade and large size. The potash deposits are located in the St. Lazare and Russell areas, which are the most significant potash districts in Manitoba. The St. Lazare area is the largest potash deposit in the province, and the Russell area contains the second largest potash deposit.

6. Potash Resource

Potash resource estimates have been prepared for the Russell-McAuley area, located in the St. Lazare and Russell areas, which are the most significant potash districts in Manitoba. The St. Lazare area is the largest potash deposit in the province, and the Russell area contains the second largest potash deposit.

7. Exploration History

The discovery of potash in Manitoba was in an oil well that was drilled in 1964. The drilling for oil led to the discovery of potash in the area. The potash deposits were economically viable due to their high grade and large size. The potash deposits are located in the St. Lazare and Russell areas, which are the most significant potash districts in Manitoba. The St. Lazare area is the largest potash deposit in the province, and the Russell area contains the second largest potash deposit.

References