2. Regional and Local Geology

The potash deposits in the Devonian Prairie Evaporite are elongate linear zones that form a basement thickening, and are typically less than 4 km wide, with an overall strike length of 3.5 km. In the western extension of the mine (Figure 2), the deposit is 1.5 km in width, and the resource is at a depth of 200-400 m below datum.

The potash deposits in the South Saskatchewan River valley are linear and elongate, part of a large belt of well-developed potash, and are the most explored area for potash resources in Saskatchewan. Nearby, active, long-lived potash mines in Saskatchewan and southwestern Manitoba.

Figure 3 shows the regional and local geology of the potash deposit. The potash deposit is part of a large belt of well-developed potash, and is the most explored area for potash resources in Saskatchewan.

4. Potash occurrences

Potash occurrences can be subdivided into three regions: the eastern, central, and western blocks. The eastern block is located in the southern part of the province, and is the most explored area for potash deposits. The central block is located in the north-central part of the province, and is the second most explored area for potash deposits. The western block is located in the northwestern part of the province, and is the least explored area for potash deposits.

5. Russell-McAuley Area

The Russell-McAuley area is located in the southern part of the province, and is the most explored area for potash deposits. The deposit is part of a large belt of well-developed potash, and is the most explored area for potash resources in Saskatchewan.

The deposit is subdivided into three zones: the eastern, central, and western blocks. The eastern block is the most explored area for potash resources, and is the most prospective area for potash deposits. The central block is the second most explored area for potash resources, and is the second most prospective area for potash deposits. The western block is the least explored area for potash resources, and is the least prospective area for potash deposits.

7. Exploration History

The exploration history of the Russell-McAuley area is outlined below, as well as a description of the different exploration programs.

In 2013, the crown potash area was amalgamated and is now referred to as the Russell-McAuley area. The amalgamation of the crown potash lands in the north and south blocks (Russell and St. Lazare deposits) resulted in the formation of the Russell-McAuley area.

Potash Exploration

Formal mineral resource estimates have been prepared for the Russell-McAuley area (BHP Billiton). The estimated resources are shown in Table 1. The resource estimates were prepared in 1990, 1995, and 2003, respectively. The resource estimates were prepared in accordance with the requirements of the Canadian National Instrument 43-101. The resource estimates were prepared by AMEC Americas Limited, a mineral exploration company.

Table 2 summarizes the estimated resources for both the Russell and St. Lazare deposits. The resource estimates were prepared in 1983, 1984, and 1986, respectively. The resource estimates were prepared in accordance with the requirements of the Canadian National Instrument 43-101. The resource estimates were prepared by AMEC Americas Limited, a mineral exploration company.

Table 2: Mineral resource estimates for the Russell and St. Lazare deposits.

<table>
<thead>
<tr>
<th>Year</th>
<th>Deposit</th>
<th>Company</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1983</td>
<td>Russell</td>
<td>BHP Billiton</td>
<td>Resource estimate prepared in accordance with the requirements of the Canadian National Instrument 43-101.</td>
</tr>
<tr>
<td>1984</td>
<td>Russell</td>
<td>BHP Billiton</td>
<td>Resource estimate prepared in accordance with the requirements of the Canadian National Instrument 43-101.</td>
</tr>
<tr>
<td>1986</td>
<td>Russell</td>
<td>BHP Billiton</td>
<td>Resource estimate prepared in accordance with the requirements of the Canadian National Instrument 43-101.</td>
</tr>
<tr>
<td>1983</td>
<td>St. Lazare</td>
<td>BHP Billiton</td>
<td>Resource estimate prepared in accordance with the requirements of the Canadian National Instrument 43-101.</td>
</tr>
<tr>
<td>1984</td>
<td>St. Lazare</td>
<td>BHP Billiton</td>
<td>Resource estimate prepared in accordance with the requirements of the Canadian National Instrument 43-101.</td>
</tr>
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<td>1986</td>
<td>St. Lazare</td>
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</tr>
</tbody>
</table>

References


