<table>
<thead>
<tr>
<th>System/ Series</th>
<th>Formation and Thickness</th>
<th>Lithology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quaternary</td>
<td></td>
<td>till, sand and gravel</td>
</tr>
<tr>
<td></td>
<td>St.Eugene Formation (Rocky Mountain Trench only)</td>
<td>colluvium, fanglomerate, sand, silt and gravel</td>
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<tr>
<td></td>
<td>Kishenehn Formation (Flathead Valley only) 0-5000m</td>
<td>varicoloured sandstone, mudstone, clay, oil shale, limestone, conglomerate and megabreccia</td>
</tr>
<tr>
<td>Miocene</td>
<td>Belly River Formation 1370m</td>
<td>continental sandstones, shales, and minor amounts of coal</td>
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<tr>
<td></td>
<td>Wapiabi Formation 600-700m</td>
<td>dark shale, siltstone, fine sandstone, calcareous shale and limestone</td>
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<tr>
<td></td>
<td>Cardium Formation 100-150m</td>
<td>marine sandstone, siltstone and shale</td>
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<td></td>
<td>Blackstone Formation 30-250m</td>
<td>dark shale, fine sandstone, siltstone, limestone and calcareous shale</td>
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<tr>
<td>Oligocene</td>
<td>Crowsnest Formation 0-400m</td>
<td>alkaline tuff, volcanic breccia, volcanic conglomerate, and trachyte</td>
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<td></td>
<td>Ma Butte Formation 120-1875m (latter is combined thickness with Beaver Mines Formation in the Fernie Basin)</td>
<td>quartz-chert sandstones, grey siltstones and red mudstones, igneous and quartzite-chert pebble conglomerate</td>
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<tr>
<td></td>
<td>Beaver Mines Formation 450-1875m (latter is combined thickness with Ma Butte Formation in the Fernie Basin)</td>
<td>grey to green feldspathic sandstone and arkose, siltstone, and grey to maroon mudstone, igneous pebble conglomerate</td>
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<td></td>
<td>Gladstone Formation 80-450m</td>
<td>fine quartz-chert sandstone, siltstone, and green and red mudstone; limestone and calcareous mudstone in upper part</td>
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<td></td>
<td>Cadomin Formation 15-75m</td>
<td>chert pebble conglomerate and sandstone, grey, green, and red mudstone</td>
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<td></td>
<td>Pocaterra Creek Member 0-90 m</td>
<td>sandstone, siltstone, mudstone, minor chert pebble conglomerate</td>
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<td></td>
<td>Elk Formation 0-475m</td>
<td>sandstone, conglomerate, siltstone, thin coal</td>
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<td></td>
<td>Mist Mountain Formation 75-665m</td>
<td>siltstone, sandstone, mudstone, shale, coal</td>
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<td>Morrissey Formation 25-65m</td>
<td>fine to medium sandstone with conglomeratic beds in the upper part, and rare mudstone, siltstone and coal.</td>
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<td></td>
<td>Fernie Formation 175-400m</td>
<td>dark shales, sandstone, siltstone, limestone, basal coquina and phosphate pebble conglomerate</td>
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<td></td>
<td>Whitehorse Formation 0-10 m</td>
<td>calcareous and dolomitic sandstone and siltstone, sandy dolomite and solution breccia</td>
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<tr>
<td></td>
<td>Sulphur Mountain Formation 0-496 m</td>
<td>dark shale and siltstone, calcareous and dolomitic siltstone, dolomite and sandstone</td>
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</tbody>
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