



**The Geology of  
The Northern Ahlmannryggen**  
  
**Dronning Maud Land  
ANTARCTICA**  
  
**SANAP - 2006**  
 Data compiled from geological mapping done under the auspices of the  
 South African National Antarctic Program

Scale 1:100,000

5 2.5 0 5 10 Kilometres

Datum: WGS84  
 Projection: Antarctic Polar Stereographic  
 Standard parallel: 71° S

**Legend**

<p><b>Ritscherflya Supergroup</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #e0e0e0; border: 1px solid black; margin-right: 5px;"></span> Straumnsnutane formation</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #d0d0d0; border: 1px solid black; margin-right: 5px;"></span> Fasettjellet formation</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #c0c0c0; border: 1px solid black; margin-right: 5px;"></span> Istind formation</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #b0b0b0; border: 1px solid black; margin-right: 5px;"></span> Tindeklypa formation</li> </ul> <p><b>Ahlmannryggen Group</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #a0a0a0; border: 1px solid black; margin-right: 5px;"></span> Raudberget formation</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #909090; border: 1px solid black; margin-right: 5px;"></span> Jekselen formation</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #808080; border: 1px solid black; margin-right: 5px;"></span> Hogfonna formation</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #707070; border: 1px solid black; margin-right: 5px;"></span> Schumacherfjellet formation</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #606060; border: 1px solid black; margin-right: 5px;"></span> Framryggen formation</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #505050; border: 1px solid black; margin-right: 5px;"></span> Pyramiden formation</li> </ul> <p><b>Faults</b></p> <ul style="list-style-type: none"> <li>f --- Inferred</li> <li>f = Normal</li> <li>▲ Thrust</li> <li>--- shear zone</li> </ul> <p><b>Interpolated structure</b></p> <ul style="list-style-type: none"> <li>..... Interpolated contact</li> <li>--- Interpolated shear</li> <li>--- Interpolated unconformity</li> </ul>	<p><b>Intrusives</b></p> <p><b>Jurassic dykes and sills</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #800000; border: 1px solid black; margin-right: 5px;"></span> dolerite</li> </ul> <p><b>Roberts-kollen Suite</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #000000; border: 1px solid black; margin-right: 5px;"></span> dolerite</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #404040; border: 1px solid black; margin-right: 5px;"></span> gabbronorite</li> </ul> <p><b>Bormassivet intrusive suite</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ff0000; border: 1px solid black; margin-right: 5px;"></span> norite</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #00ff00; border: 1px solid black; margin-right: 5px;"></span> diorite</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #0000ff; border: 1px solid black; margin-right: 5px;"></span> gabbronorite</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #0000ff; border: 1px solid black; margin-right: 5px;"></span> dolerite</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #0000ff; border: 1px solid black; margin-right: 5px;"></span> mafic sill</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #0000ff; border: 1px solid black; margin-right: 5px;"></span> diorite</li> </ul> <p><b>Annadagstoppane Granitoids</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ff00ff; border: 1px solid black; margin-right: 5px;"></span> granite</li> </ul> <p><b>Basement</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ff00ff; border: 1px solid black; margin-right: 5px;"></span> granodiorite</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ff00ff; border: 1px solid black; margin-right: 5px;"></span> granite</li> </ul>
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Sample locality  
 Contours 50m interval  
 Navigation Waypoints  
 Bases

