

# The geology of The Sverdrupfjella

## Orionning Maud Land ANTARCTICA

**SANAP - 2006**

Data compiled from geological mapping done under the auspices of the  
South African National Antarctic Program

## Legend

**Sverdrupfjella Group**

**Sveabreen formation**

- [diagonal lines] intermediate gneiss
- [green dashed] paragneiss

**Rootshorga formation**

- [yellow wavy] felsic gneiss
- [purple wavy] gneiss
- [pink wavy] intermediate gneiss
- [light blue wavy] orthogneiss
- [green wavy] paragneiss

**Fuglefjellet formation**

- [green diagonal lines] calc-silicate gneiss
- [pink diagonal lines] paragneiss
- [blue diagonal lines] grey gneiss
- [red diagonal lines] gneiss

**Jutulrora formation**

- [pink wavy] granite gneiss
- [yellow wavy] migmatite
- [orange wavy] grey gneiss
- [red wavy] orthogneiss
- [yellow wavy] banded gneiss

**Intrusives**

**Jurassic dykes and sills**

- [purple] dolerite

**Brattskarvet suite**

- [orange] monzonite
- [light blue] syenite

**Brekkerista suite**

- [pink plus] granite

**post Pan-African**

- [yellow] felsic pegmatitic dykes

**neo-proterozoic mafic intrusives**

- [green] diorite
- [pink] amphibolite
- [dark green] metagabbro

**Sveabreen suite**

- [pink] granite
- [light pink] orthogneiss

- Sample locality

**occurrences**

- Calc-silicate
- Eclogitic Basite
- Garnet Peridotite
- Lamprophyric Dykes
- ultramafic exposure

**Contours 50m interval**

- Navigation Waypoints

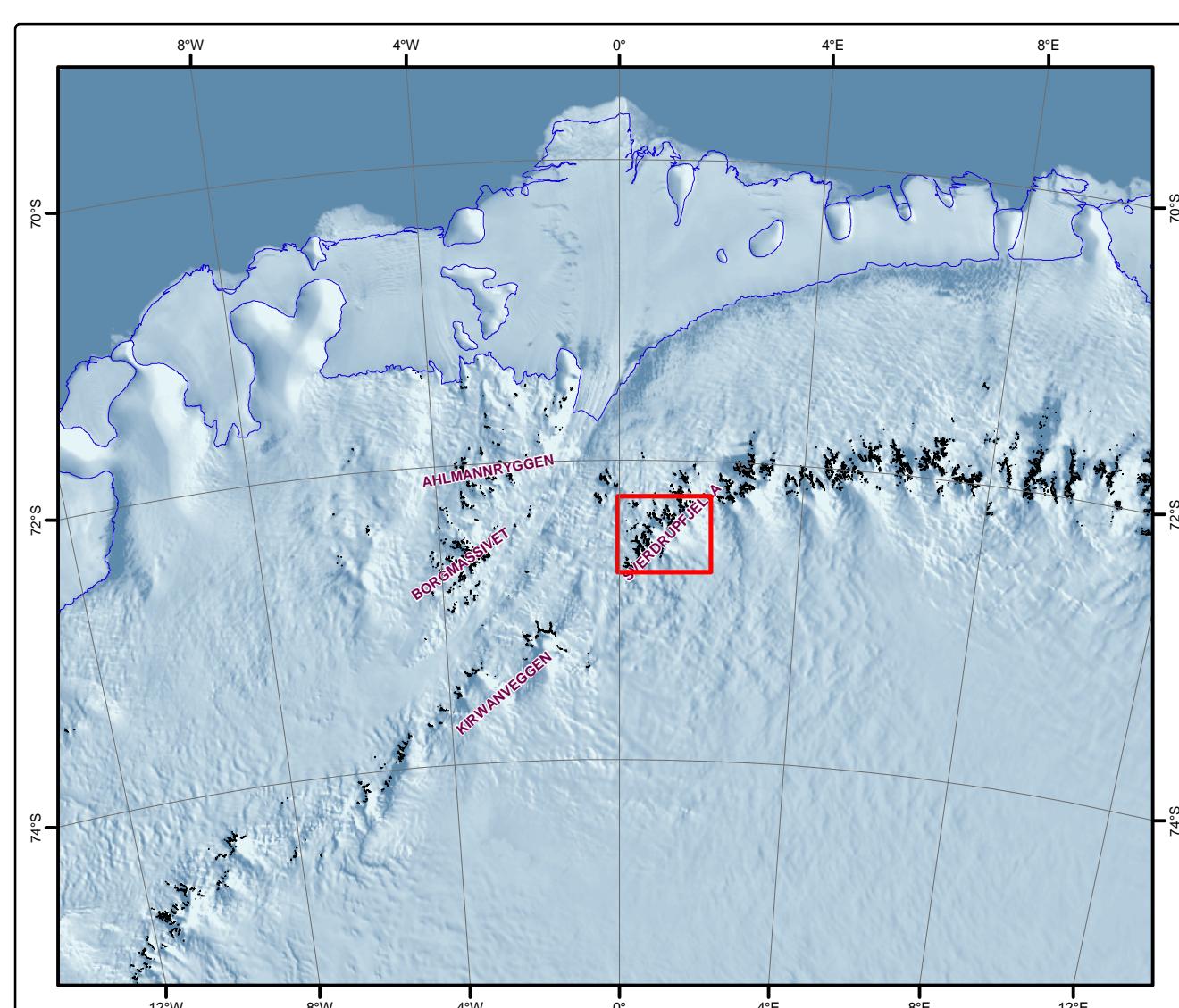
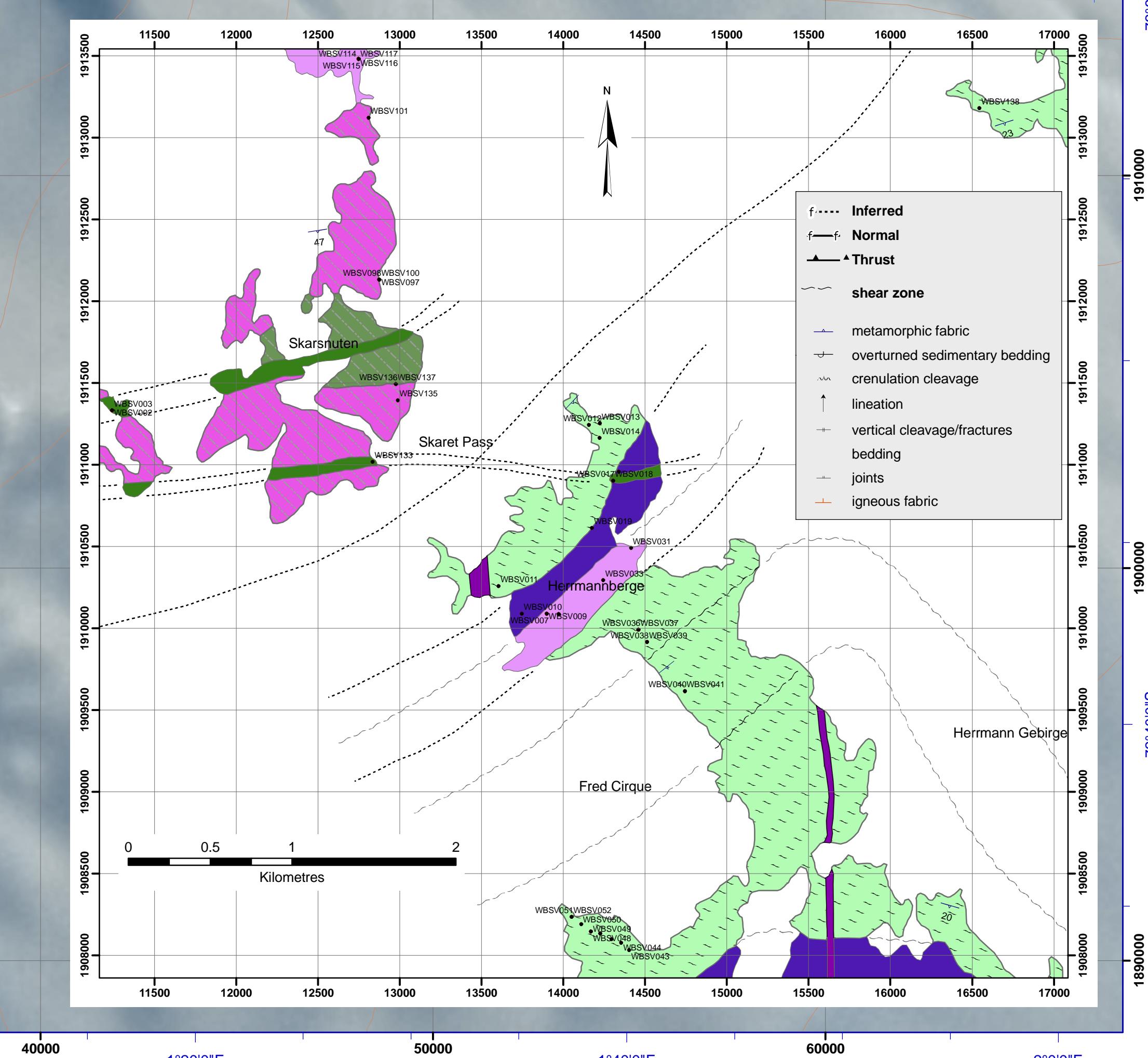
**Faults**

- f---- Inferred
- f—f Normal
- ▲ Thrust
- ~~ shear zone

**Interpolated structure**

- Interpolated contact
- ~~~ Interpolated shear
- - - Interpolated unconformity

**Outcrop not yet in database**



Scale 1:100,000

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

