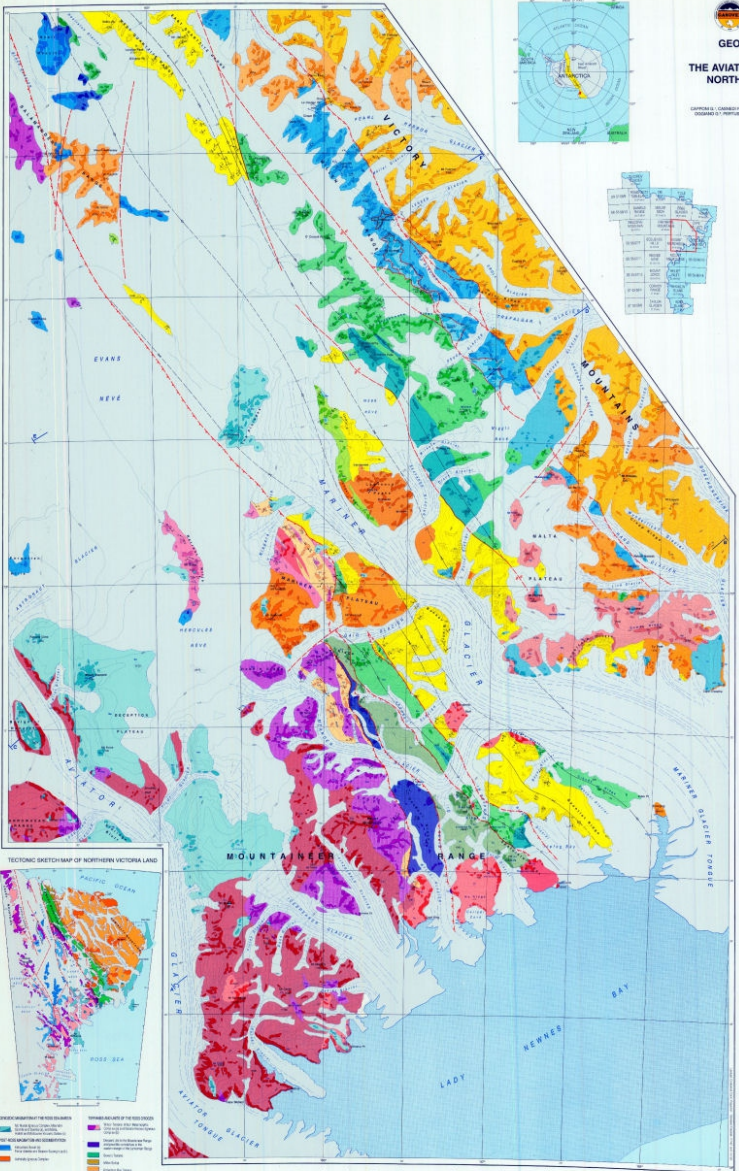




**GEOLOGICAL AND STRUCTURAL MAP OF THE AVIATOR GLACIER AND VICTORY MOUNTAINS NORTHERN VICTORIA LAND - ANTARCTICA**

PREPARED BY: G. BIGNARDI, G. BIGNARDI, P. GANDOLFI, F. FIRENZA, A. SERRAVALLO, F. SERRAVALLO, L. TOSCANI, A. TOSCANI, G. ZAVARONI, G. ZAVARONI  
 DRAWING BY: P. GANDOLFI, F. FIRENZA, A. SERRAVALLO, L. TOSCANI, G. ZAVARONI



**EXPLANATION**

**OROGENIC BELT IN THE ROSS SEA BASIN**

**NUMBERED OROGENIC COMPLEX**  
 1. Metasediments, metamorphosed to greenschist facies (see also page 10) and folded by the main compressive tectonism. The complex is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
 2. Metasediments, metamorphosed to greenschist facies (see also page 10) and folded by the main compressive tectonism. The complex is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
 3. Metasediments, metamorphosed to greenschist facies (see also page 10) and folded by the main compressive tectonism. The complex is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
 4. Metasediments, metamorphosed to greenschist facies (see also page 10) and folded by the main compressive tectonism. The complex is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
 5. Metasediments, metamorphosed to greenschist facies (see also page 10) and folded by the main compressive tectonism. The complex is bounded by a major thrust zone (see also page 10). It is composed of the following units:

**POST-ROSS BASINIZATION AND SEGMENTATION**

**FERMAN VOLCANIC SUITE**  
 The Ferman volcanic suite is a sequence of volcanics, including andesites, dacites, and rhyolites, which are intruded by the Ross Sea Basinization and Segmentation. The suite is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**ROSS SUPERGROUP**  
 The Ross Supergroup is a sequence of volcanics, including andesites, dacites, and rhyolites, which are intruded by the Ross Sea Basinization and Segmentation. The group is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**ANORHYTIC GRANITE COMPLEX**  
 The Anorhytic Granite Complex is a sequence of granites, which are intruded by the Ross Sea Basinization and Segmentation. The complex is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**TERMINES AND UNITS OF THE ROSS OROGEN**

**MELLEN TERRANE**  
 The Mellen Terrane is a sequence of volcanics, including andesites, dacites, and rhyolites, which are intruded by the Ross Sea Basinization and Segmentation. The terrane is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**OSIANTAN BASINIZED COMPLEX**  
 The Osiantan Basinized Complex is a sequence of volcanics, including andesites, dacites, and rhyolites, which are intruded by the Ross Sea Basinization and Segmentation. The complex is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**MELLEN METAFERRUGINEOUS COMPLEX**  
 The Mellen Metaferruginous Complex is a sequence of volcanics, including andesites, dacites, and rhyolites, which are intruded by the Ross Sea Basinization and Segmentation. The complex is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**DESERT UNIT**  
 The Desert Unit is a sequence of volcanics, including andesites, dacites, and rhyolites, which are intruded by the Ross Sea Basinization and Segmentation. The unit is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**ROSEMEYER TERRANE**  
 The Rosemeyer Terrane is a sequence of volcanics, including andesites, dacites, and rhyolites, which are intruded by the Ross Sea Basinization and Segmentation. The terrane is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**ROSS SUPERGROUP**

**WILSON SCHIST**  
 The Wilson Schist is a sequence of schists, which are intruded by the Ross Sea Basinization and Segmentation. The schist is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**ROSEMEYER TERRANE**

**ROSEMEYER TERRANE**  
 The Rosemeyer Terrane is a sequence of volcanics, including andesites, dacites, and rhyolites, which are intruded by the Ross Sea Basinization and Segmentation. The terrane is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**ROSS SUPERGROUP**

**ROSS SUPERGROUP**  
 The Ross Supergroup is a sequence of volcanics, including andesites, dacites, and rhyolites, which are intruded by the Ross Sea Basinization and Segmentation. The group is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**WILSON SCHIST**

**WILSON SCHIST**  
 The Wilson Schist is a sequence of schists, which are intruded by the Ross Sea Basinization and Segmentation. The schist is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**ROSEMEYER TERRANE**

**ROSEMEYER TERRANE**  
 The Rosemeyer Terrane is a sequence of volcanics, including andesites, dacites, and rhyolites, which are intruded by the Ross Sea Basinization and Segmentation. The terrane is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**ROSS SUPERGROUP**

**ROSS SUPERGROUP**  
 The Ross Supergroup is a sequence of volcanics, including andesites, dacites, and rhyolites, which are intruded by the Ross Sea Basinization and Segmentation. The group is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**WILSON SCHIST**

**WILSON SCHIST**  
 The Wilson Schist is a sequence of schists, which are intruded by the Ross Sea Basinization and Segmentation. The schist is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**ROSEMEYER TERRANE**

**ROSEMEYER TERRANE**  
 The Rosemeyer Terrane is a sequence of volcanics, including andesites, dacites, and rhyolites, which are intruded by the Ross Sea Basinization and Segmentation. The terrane is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**ROSS SUPERGROUP**

**ROSS SUPERGROUP**  
 The Ross Supergroup is a sequence of volcanics, including andesites, dacites, and rhyolites, which are intruded by the Ross Sea Basinization and Segmentation. The group is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**WILSON SCHIST**

**WILSON SCHIST**  
 The Wilson Schist is a sequence of schists, which are intruded by the Ross Sea Basinization and Segmentation. The schist is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**ROSEMEYER TERRANE**

**ROSEMEYER TERRANE**  
 The Rosemeyer Terrane is a sequence of volcanics, including andesites, dacites, and rhyolites, which are intruded by the Ross Sea Basinization and Segmentation. The terrane is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**ROSS SUPERGROUP**

**ROSS SUPERGROUP**  
 The Ross Supergroup is a sequence of volcanics, including andesites, dacites, and rhyolites, which are intruded by the Ross Sea Basinization and Segmentation. The group is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**WILSON SCHIST**

**WILSON SCHIST**  
 The Wilson Schist is a sequence of schists, which are intruded by the Ross Sea Basinization and Segmentation. The schist is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**ROSEMEYER TERRANE**

**ROSEMEYER TERRANE**  
 The Rosemeyer Terrane is a sequence of volcanics, including andesites, dacites, and rhyolites, which are intruded by the Ross Sea Basinization and Segmentation. The terrane is bounded by a major thrust zone (see also page 10). It is composed of the following units:  
**ROSS SUPERGROUP**



**SYMBOLS AND ABBREVIATIONS OF THE GEOLOGICAL MAP**  
 Solid lines: Major faults  
 Dashed lines: Minor faults  
 Dotted lines: Fault zones  
 Thick lines: Strike-slip faults  
 Thin lines: Normal faults  
 Dotted lines: Thrust faults  
 Red lines: Deformed faults

