

## CONTENTS

Abstract.....	1
1. Introduction .....	2
2. General Geology and Geomorphology.....	3
3. Observations in Each Area.....	5
3. 1. Nt I (northwestern point of Fletta Bay) .....	5
3. 2. Nt II (west of Besthovde).....	6
3. 3. Nt III (southern part of Austhovde).....	13
3. 4. Nt IV (south of Nesholmen Island) .....	14
3. 5. Nt V (an island located at 69°25' S and 37°40' E) .....	18
4. Description of Rock Types .....	20
4. 1. Metabasites .....	20
4. 2. Paragneisses .....	21
4. 3. Brown gneissose granodiorites .....	22
4. 4. Hornblende-biotite microgranite.....	24
4. 5. White gneissose granodiorites.....	25
4. 6. Pink gneissose granites .....	26
4. 7. Pegmatites .....	26
5. Sequence of Rock Formation.....	28
6. Tectonic Sequence .....	30
7. Discussion on the Metamorphic History .....	35
Acknowledgments.....	40
References.....	41
Plates	