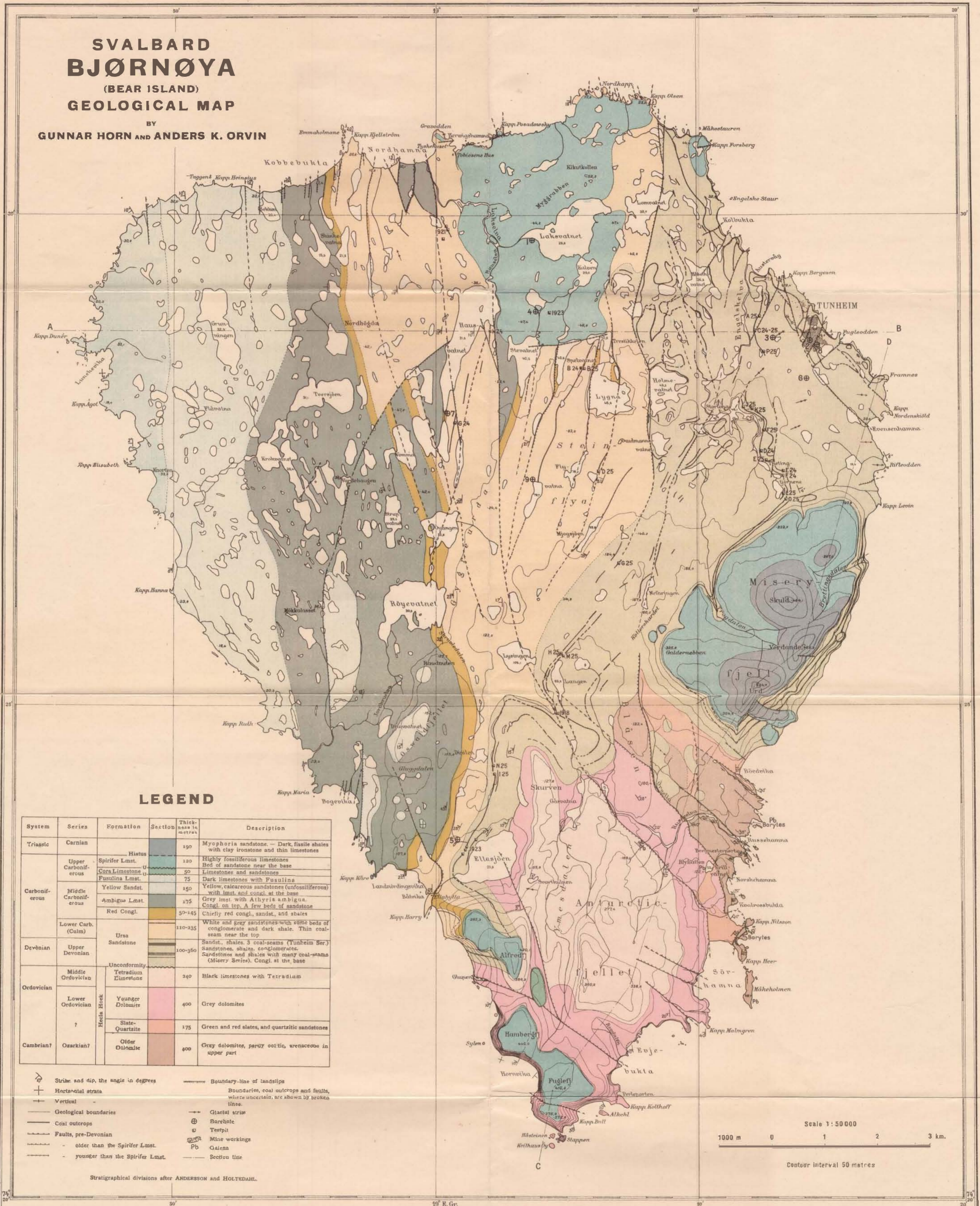


**SVALBARD  
BJØRNØYA  
(BEAR ISLAND)  
GEOLOGICAL MAP**

BY  
**GUNNAR HORN AND ANDERS K. ORVIN**

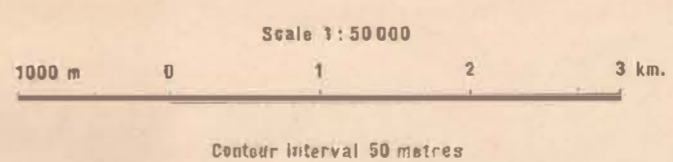


**LEGEND**

System	Series	Formation	Section	Thick-ness in metres	Description
Triassic	Carnian			190	Myophoria sandstone. — Dark, fissile shales with clay ironstone and thin limestones
Carboniferous	Upper Carboniferous	Spirifer Lmst.		120	Highly fossiliferous limestones
		Coras Limestone		30	Bed of sandstone near the base
	Fusulina Lmst.		75	Limestones and sandstones	
	Yellow Sandst.		150	Dark limestones with Fusulina	
Middle Carboniferous	Ambigua Lmst.			175	Yellow, calcareous sandstones (unfossiliferous) with limst. and sandst. at the base
		Red Congl.		50-145	Grey limst. with <i>Athyria ambigua</i> . Congl. on top. A few beds of sandstone
Lower Carb. (Culm)				110-135	Chiefly red congl., sandst., and shales
Devonian	Upper Devonian	Ursa Sandstone		100-350	White and grey sandstones with some beds of conglomerate and dark shale. Thin coal-steam near the top
		Unconformity			
Ordovician	Middle Ordovician	Tetradium Limestone		240	Black limestones with Tetradium
		Younger Dolomite		400	Grey dolomites
Cambrian?	Older Cambrian?	Slate-Quartzite		175	Green and red slates, and quartzitic sandstones
		Older Dolomite		400	Grey dolomites, partly oolitic, arenaceous in upper part

- ↖ Strike and dip, the angle in degrees
- ⊥ Horizontal strata
- ⊥ Vertical
- Geological boundaries
- Coal outcrops
- Faults, pre-Devonian
- older than the Spirifer Lmst.
- younger than the Spirifer Lmst.
- Boundary-line of landslips
- Boundaries, coal outcrops and faults, whose uncertain, are shown by broken lines
- Glacial striae
- ⊕ Borehole
- ⊙ Testpit
- ⊙ Mine workings
- Pb Galena
- Section line

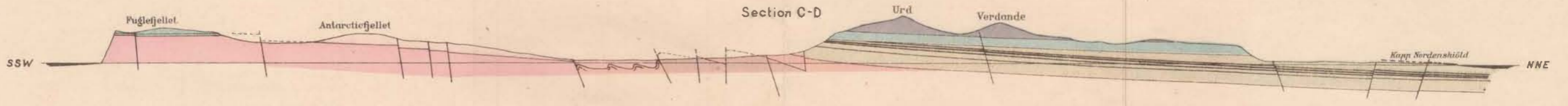
Stratigraphical divisions after ANDERSON and HOLTEDAH.



Section A-B



Section C-D



Base from "Bjørnøya. Topografisk kart uppteke av Dei Norske Svalbardepedejonane under Adolf Hoel". Surveyed 1922-24 by A. Koller, K. Glenditch, H. Hønis, B. Lunck, Will. Solheim, and W. Wernsmøll. Scale 1:25 000. Oslo 1925.

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