



The illustration to the left shows the glacier outline in 1959 and some profiles which have been drawn on both maps to find the vertical displacement of the glacier surface between 1959 and 1981. For practical reasons it was decided to draw some of the profiles from the highest point of the icecap down to the termini of glacier tongues draining in various directions. Some of these profiles are printed below to illustrate the general lowering of the glacier surface. It can be seen that the outlet glaciers draining towards NE and E have not undergone the same general mass loss as the rest of the glacier, compare further comments on the maps.

The average vertical mass loss for the selected part of Midtre Folgefonna amounts to 0.6 m water equivalent from 1959 to 1981. In total, $25 \cdot 10^{12}$ "extra" water has been delivered to adjacent rivers by the general negative mass balance. Expressed in specific figures this corresponds to 16 $\text{cm}^3 \text{ km}^{-2}$ extra water gain to the streams draining from the icecap. The general specific discharge in the area is in the order of 120 $\text{mm}^3 \text{ km}^{-2}$. This means that the glacier has added about 10% extra water to the normal annual water yield during these 22 years. A more detailed analysis of the mass balance of Midtre Folgefonna is given on the maps.

Some details concerning the map construction etc., as well as location map and other relevant data are also given on the reverse.



