

On the Hooker Glacier there were very few large rocks that we could rely on being found again after a number of years, so that we did not paint any of them.

We saw a few small glacier tables, from 1ft. to 2ft. high here, but none on the Mueller.

The highest peak of Mount Cook I make to be 10ft. lower than the altitude determined from the West Coast side, but my triangles were not very favourably placed for determining it. The peak is covered by a mass of snow, which, no doubt, varies in thickness; but, even assuming it not to do so, to be within 10ft. cannot but be deemed a wonderful closure, considering the distance our triangulation on this side has been carried from the eastern sea. I do not know how the height of Mount Sefton was determined before, but you will see I make a very great difference there.

I have not compared my survey of the terminal faces of the glaciers with Dr. Haast's old map, to see if the glaciers are retreating or advancing, because the difference in such a short space of time must be inconsiderable, and Dr. Haast's survey is necessarily so rough that I do not think much dependence could be placed on any deductions drawn from such a comparison.

I may add that, with a view to enabling such an interesting comparison to be made in the future, I have been especially careful to delineate accurately on my map the present position of the terminal faces.

In writing this report, and placing as much information as possible on the plans, I have endeavoured to carry out your instructions, and trust that the survey will meet with your approval.

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